UNIVERSITY of TASMANIA

MOISTURE ACCUMULATION AND MOULD GROWTH FOR 6 STAR AND 7 STAR HOUSING

Research Report 3: Enhancements to 6 Star and 7 Star external wall systems for Class 1 and Class 2 housing in Victoria

Appendices

Revision 01 - 17 Dec 2023

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 1: Hygrothermal simulation results – 6 Star and 7 Star timber cladding with insulated timber frame (Wall 1)

Revision 01 (17/12/2023)

NCC CZ4

NatHERS CZ 27, NCC CZ4: 6 Star and 7 Star timber clad external wall

ACR 10 – Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

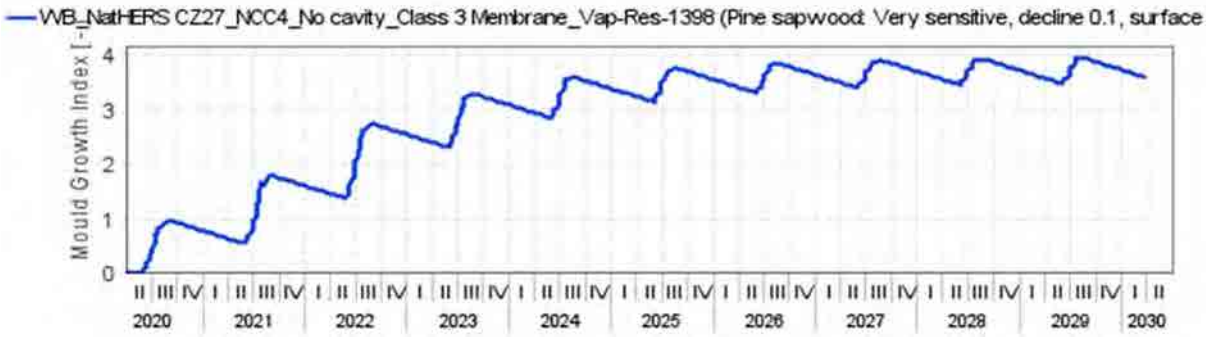

Figure 1: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

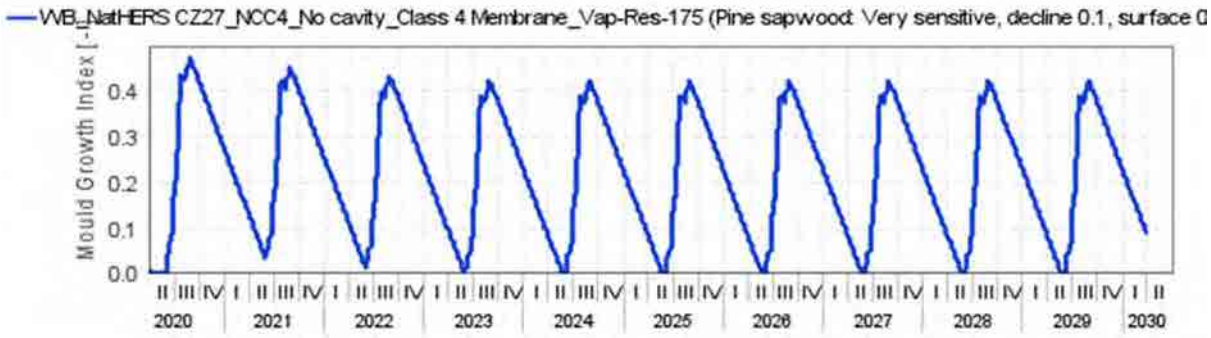

Figure 2: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

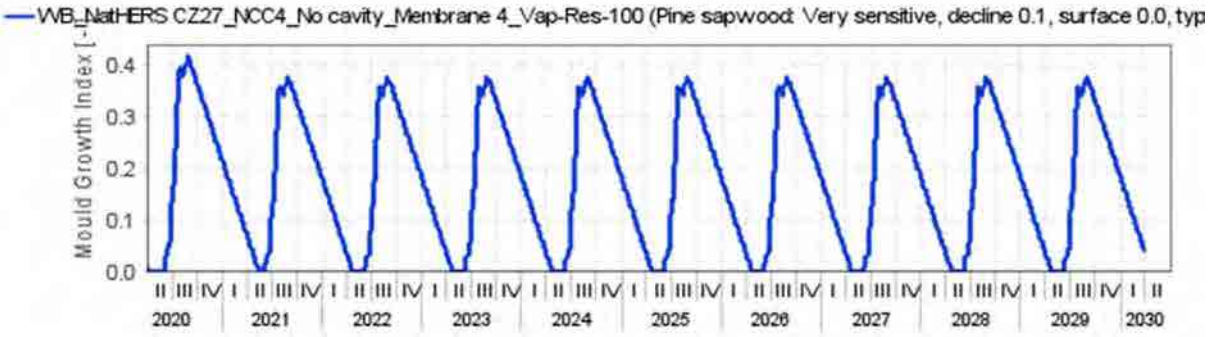

Figure 3 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

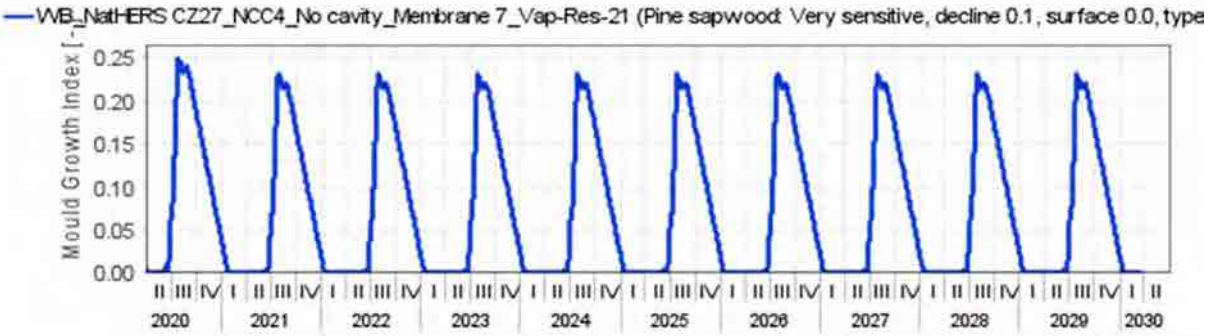

Figure 4: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

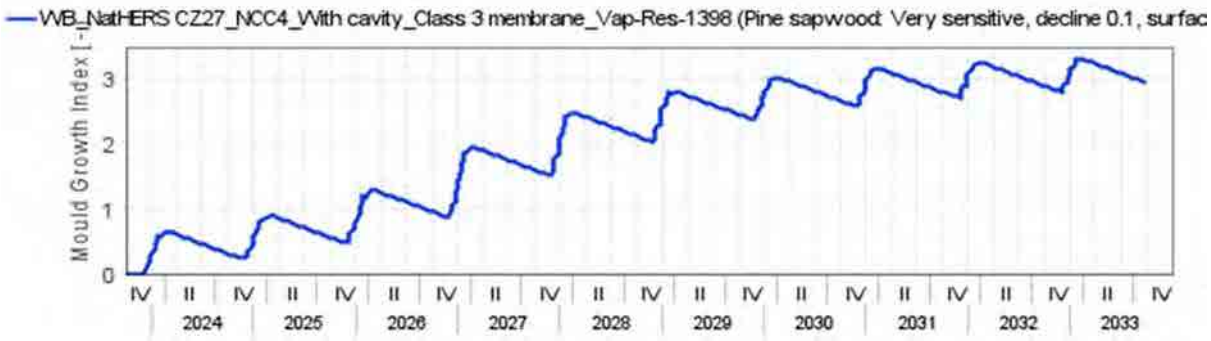

Figure 5: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 - 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

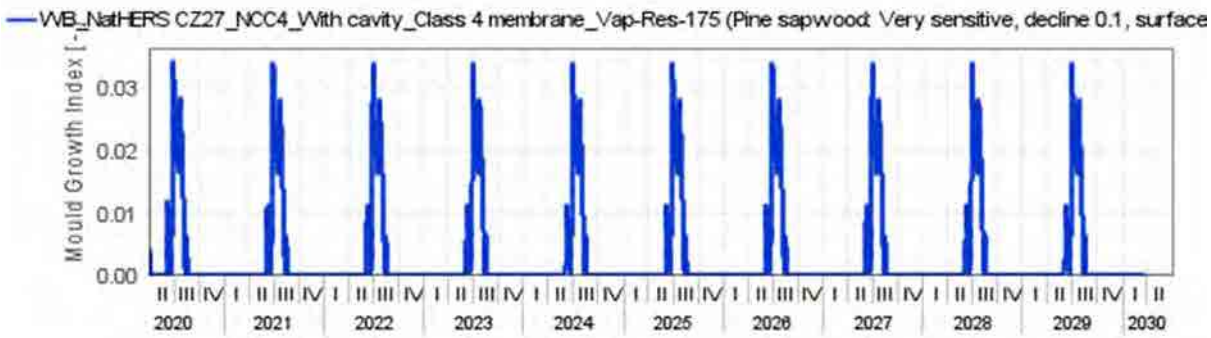

Figure 6: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4-1 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

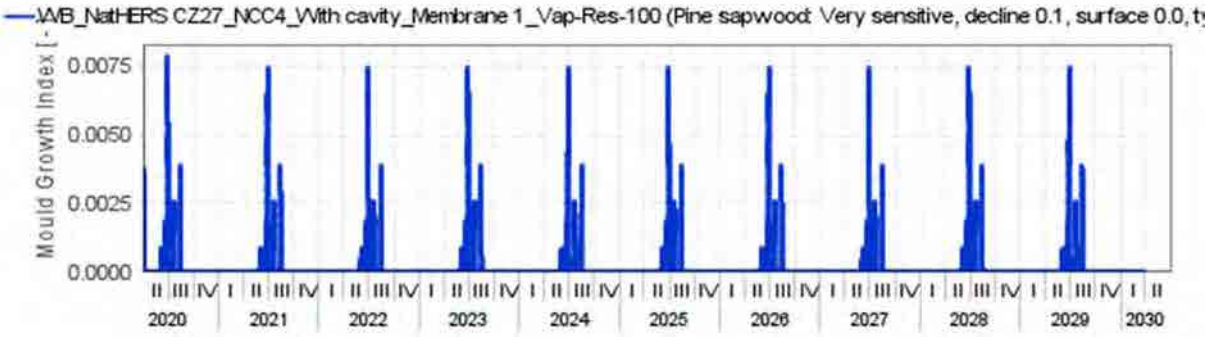

Figure 7 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

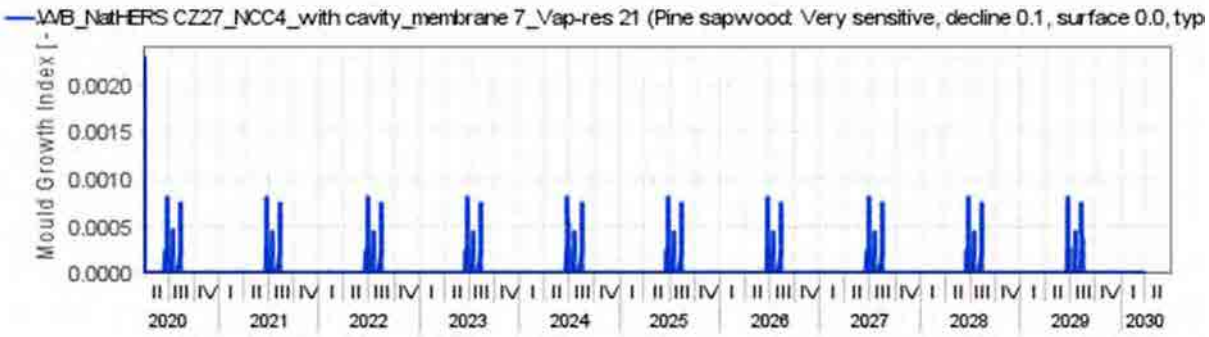

Figure 8: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

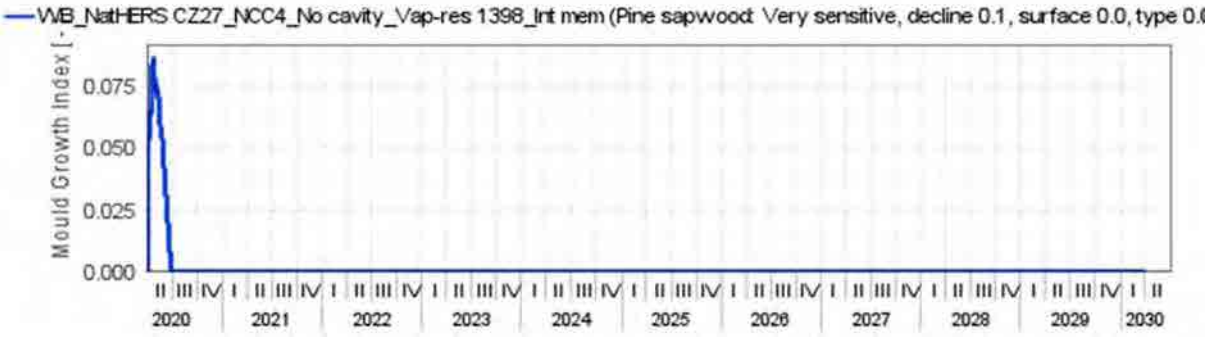

Figure 9 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

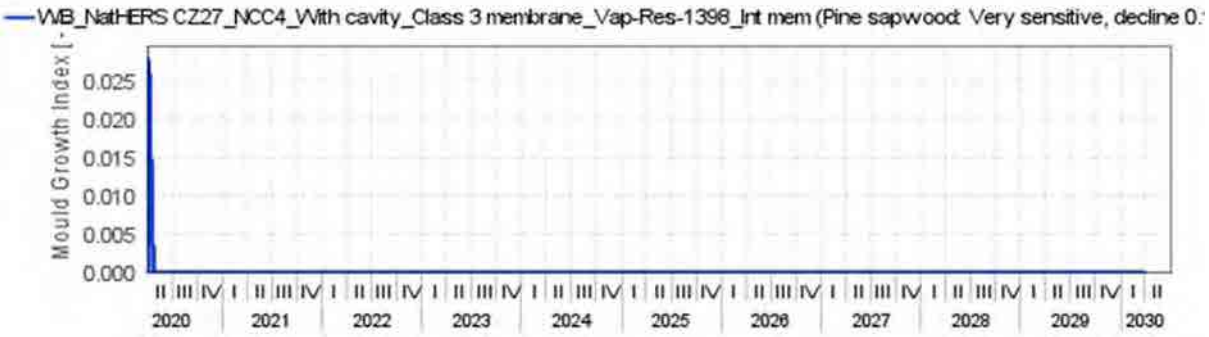

Figure 10 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

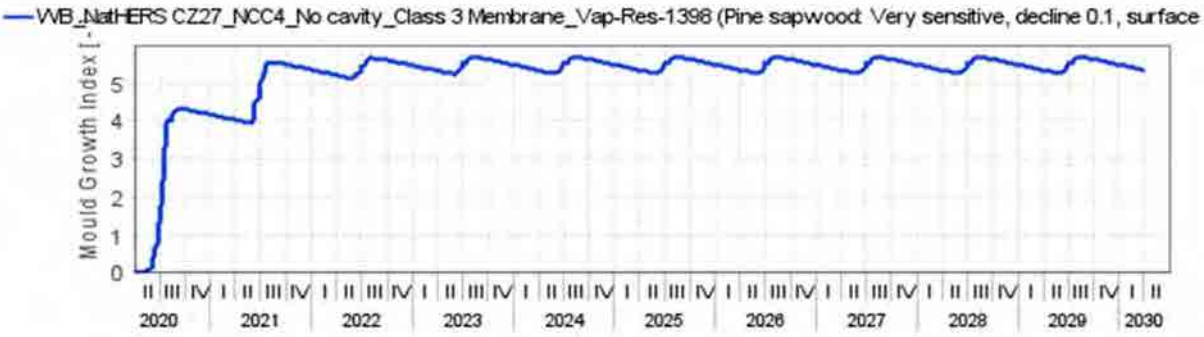

Figure 11: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

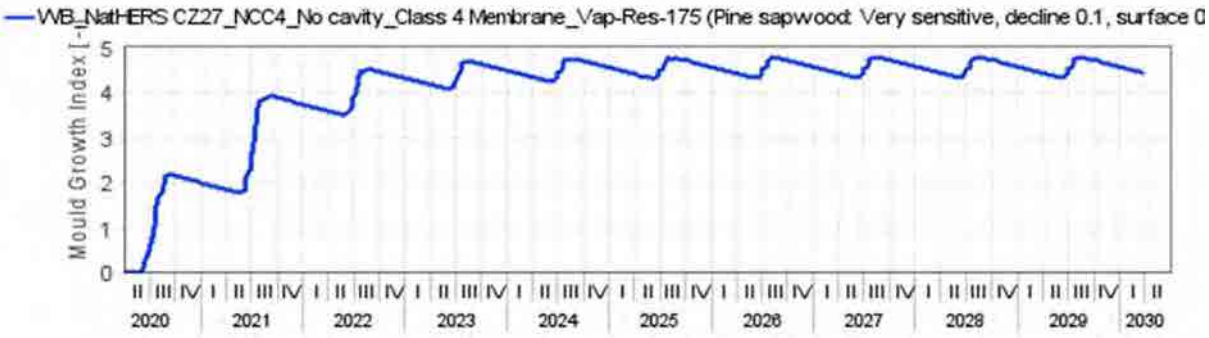

Figure 12: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

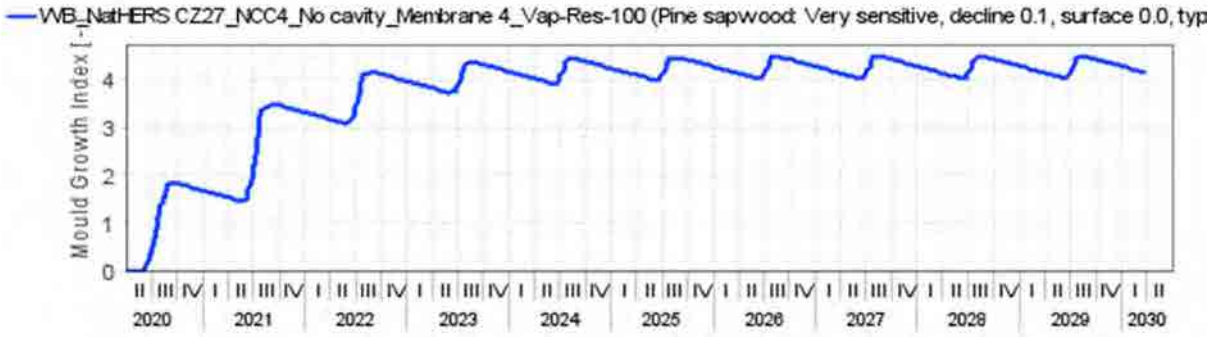

Figure 13 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 14: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

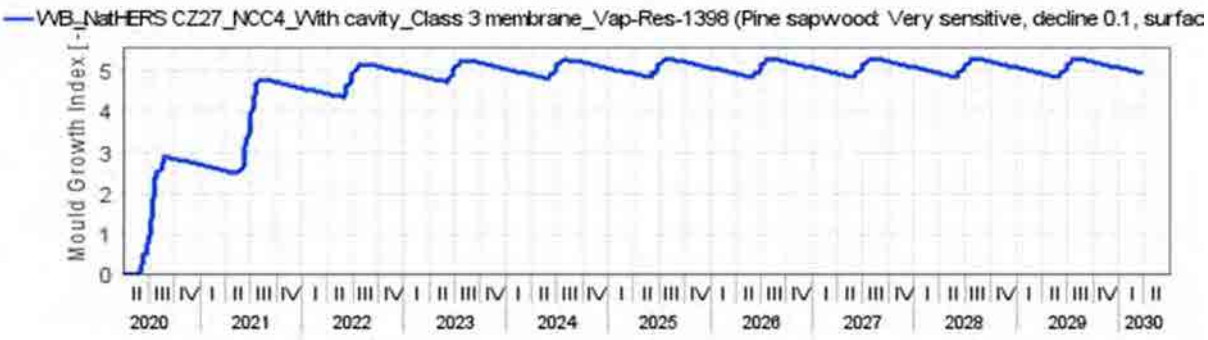

Figure 15: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

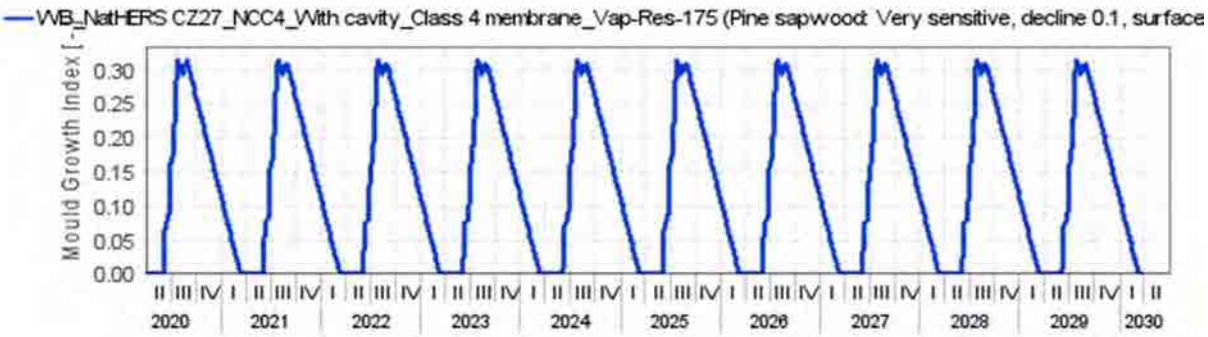

Figure 16: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

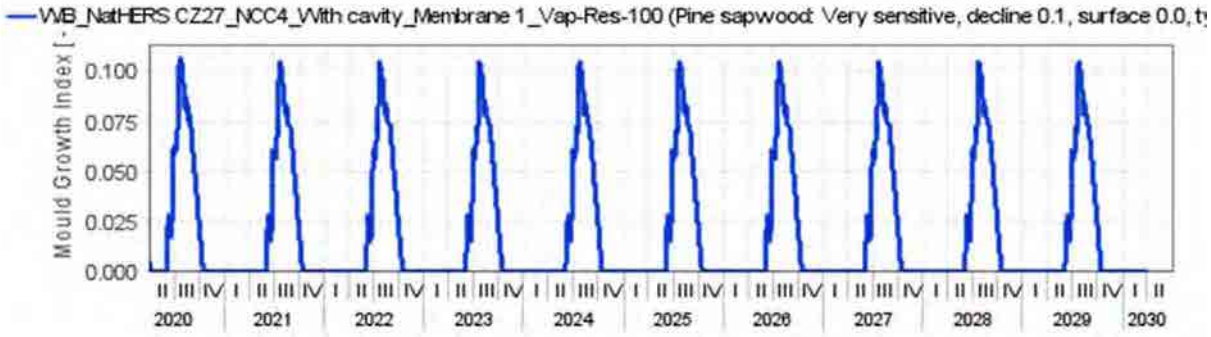

Figure 17 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

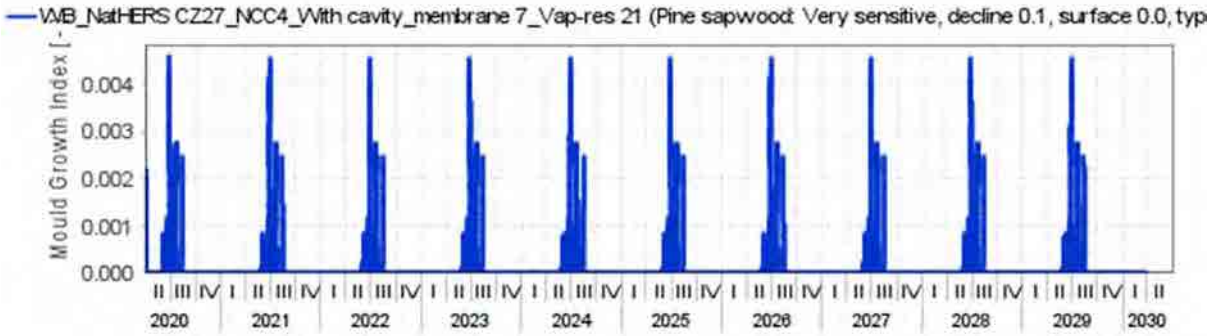

Figure 18: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

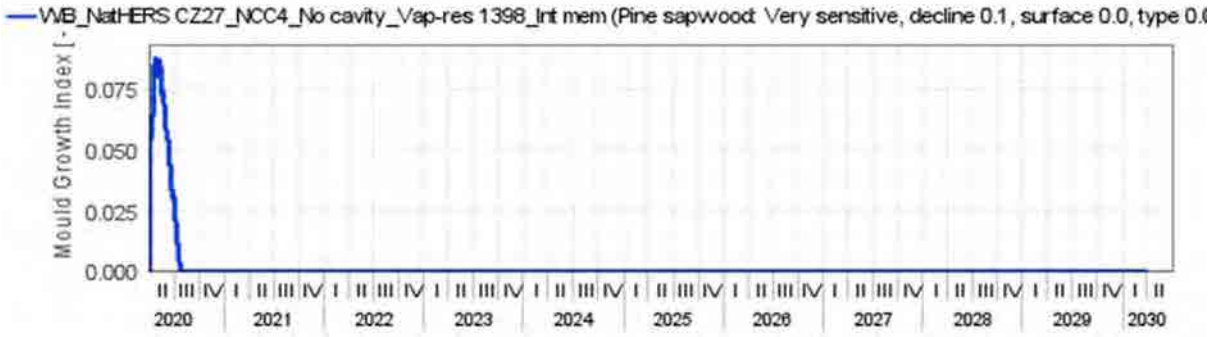

Figure 19 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

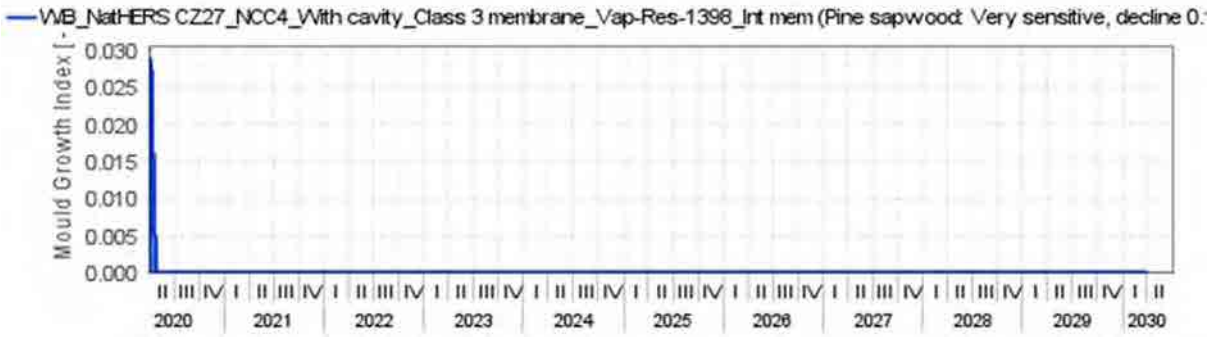

Figure 20 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

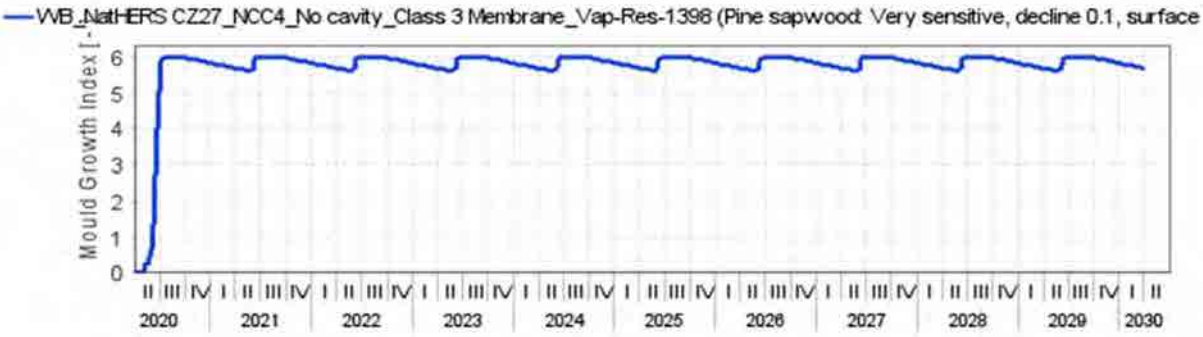

Figure 21: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

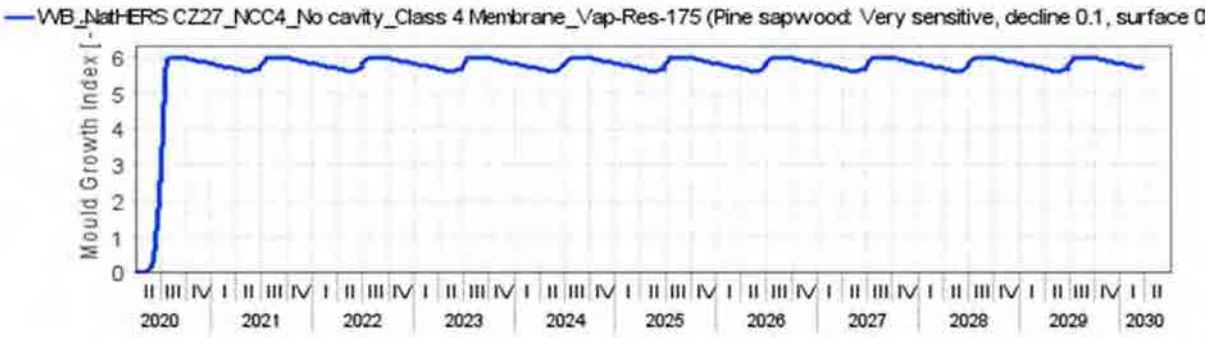

Figure 22: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

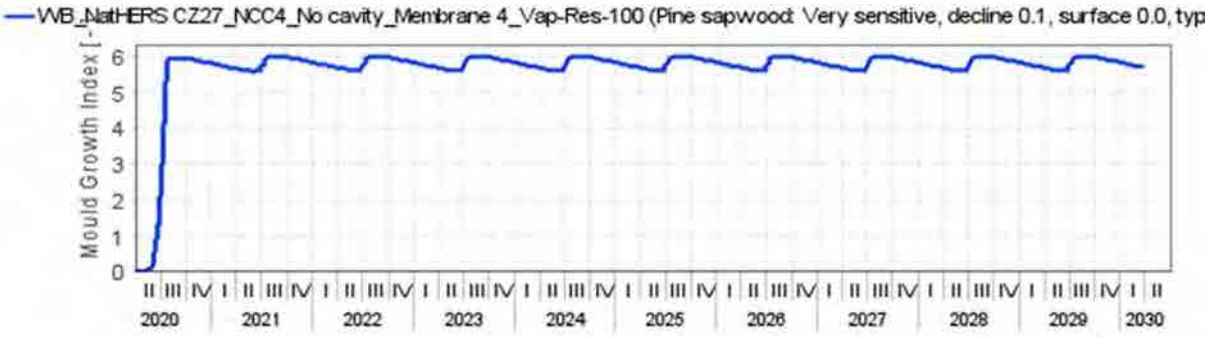

Figure 23 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

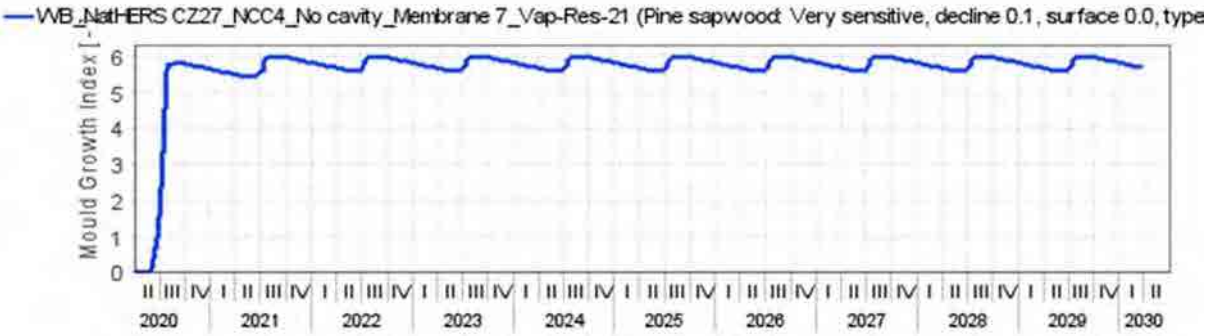

Figure 24: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

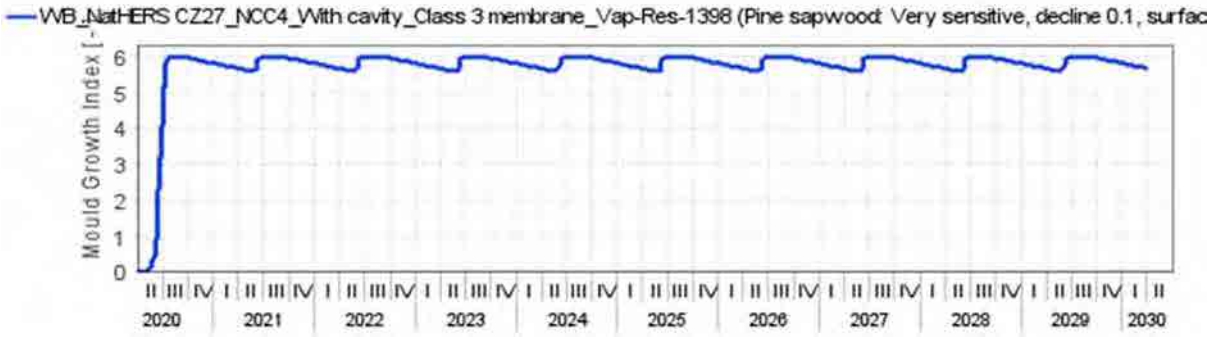

Figure 25: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 26: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

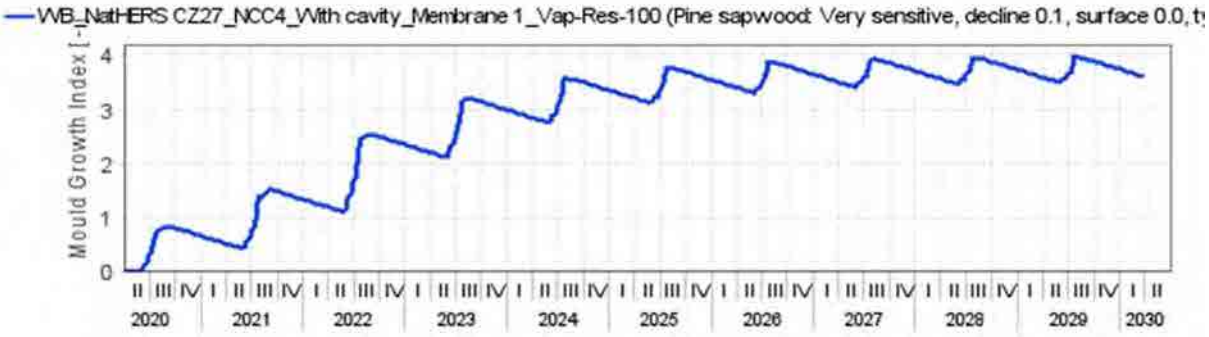

Figure 27 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

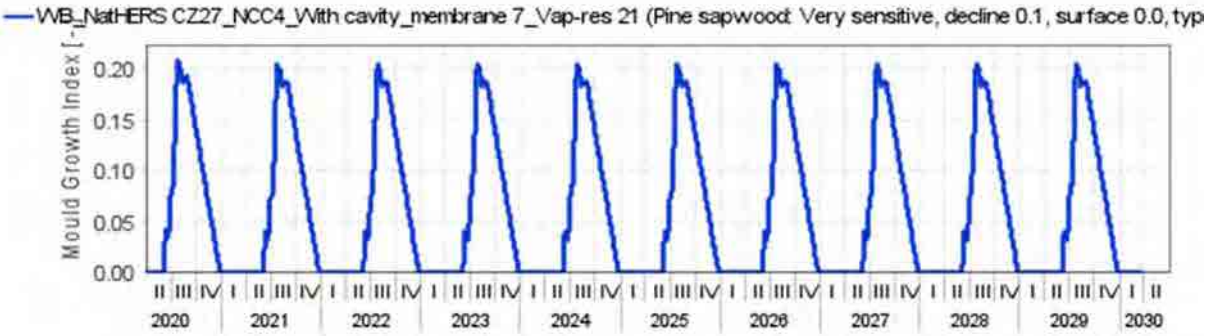

Figure 28: Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

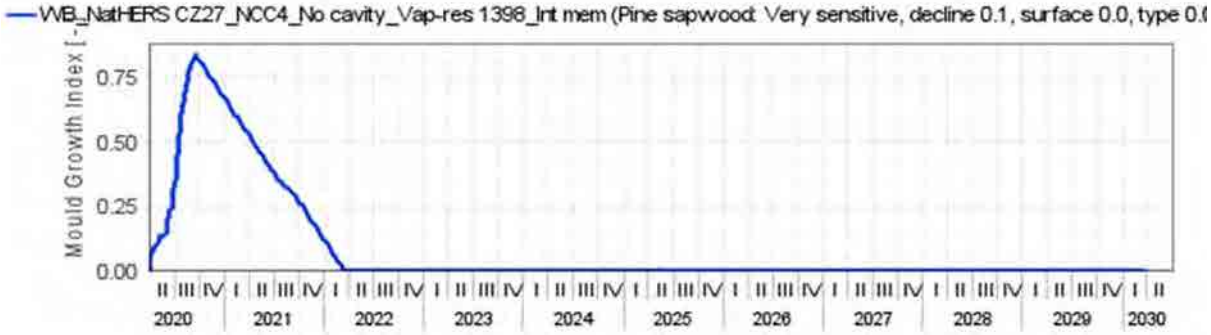

Figure 29 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

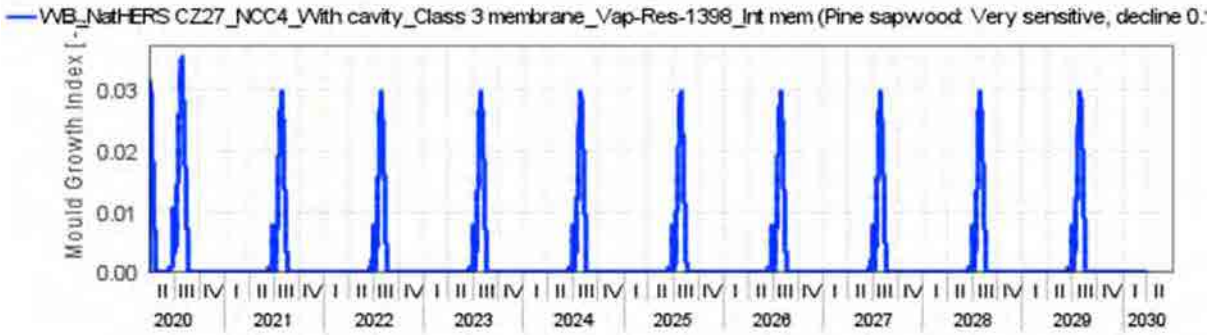

Figure 30 Timber Cladding NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

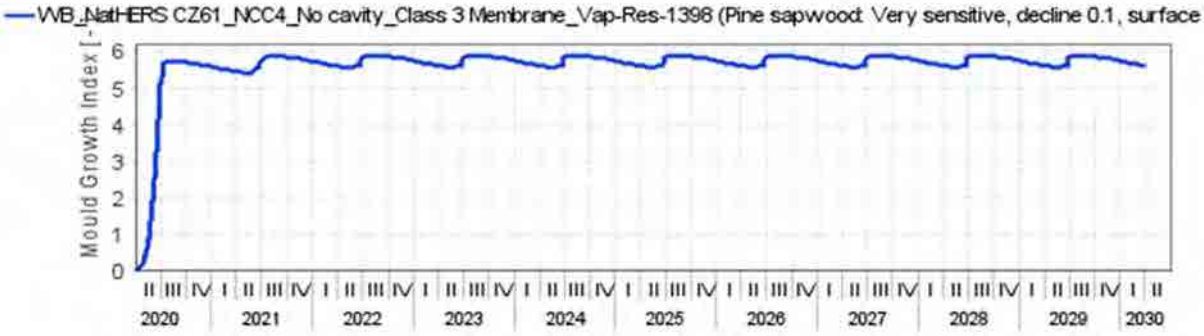

Figure 31: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

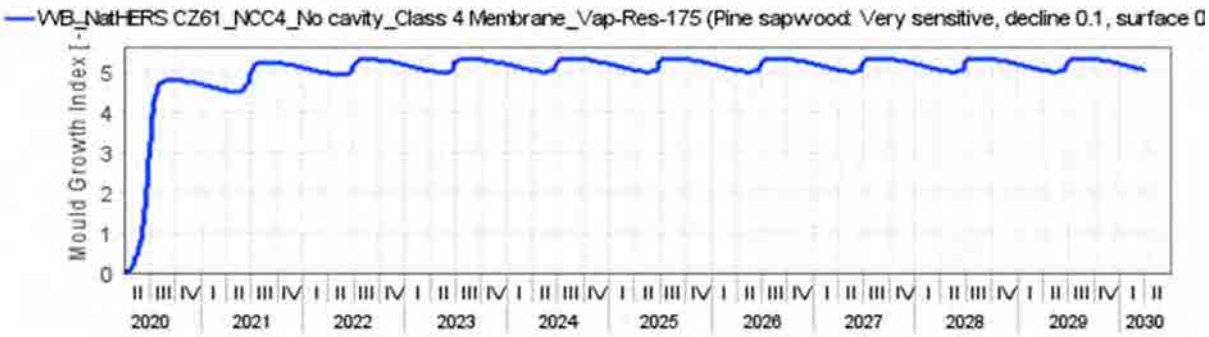

Figure 32: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

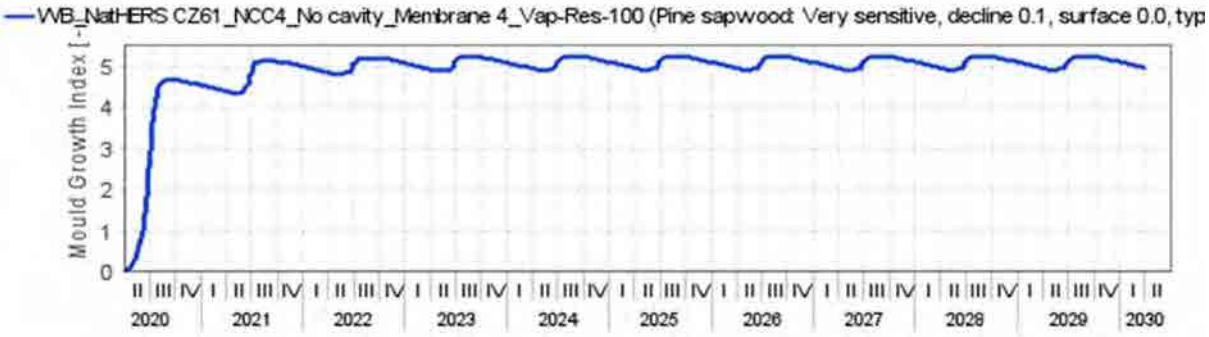

Figure 33 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

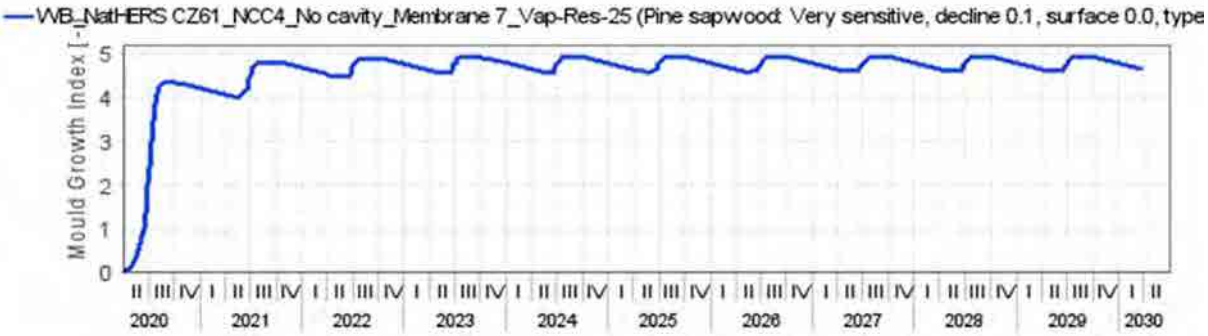

Figure 34: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

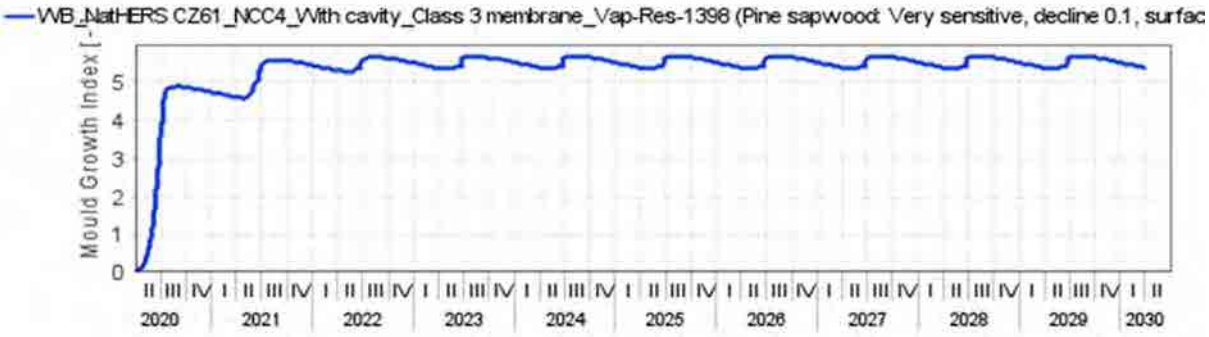

Figure 35: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

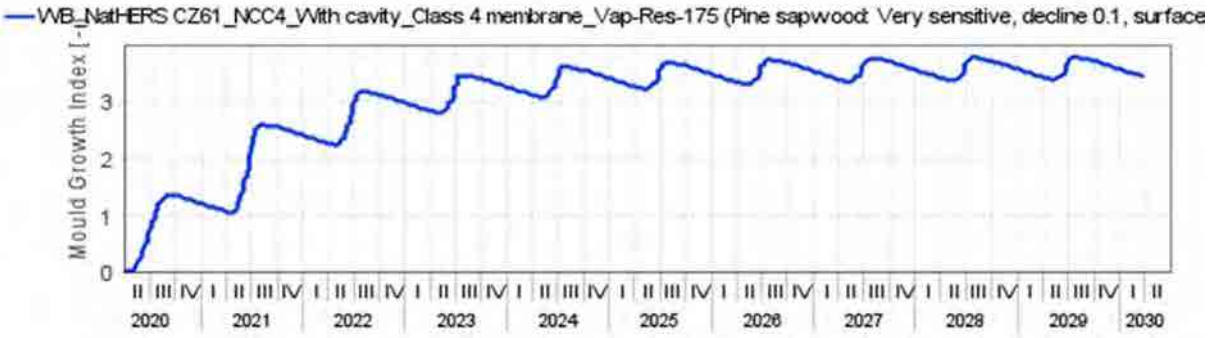

Figure 36: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould Growth - The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

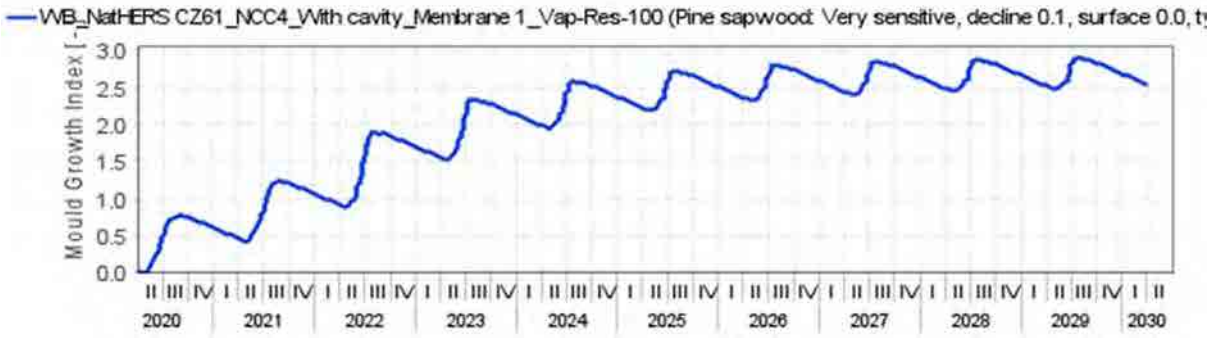

Figure 37 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

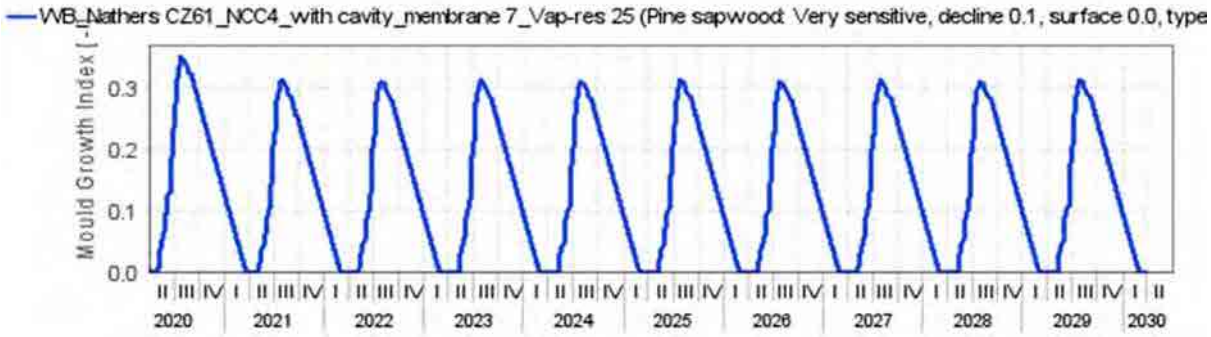

Figure 38: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

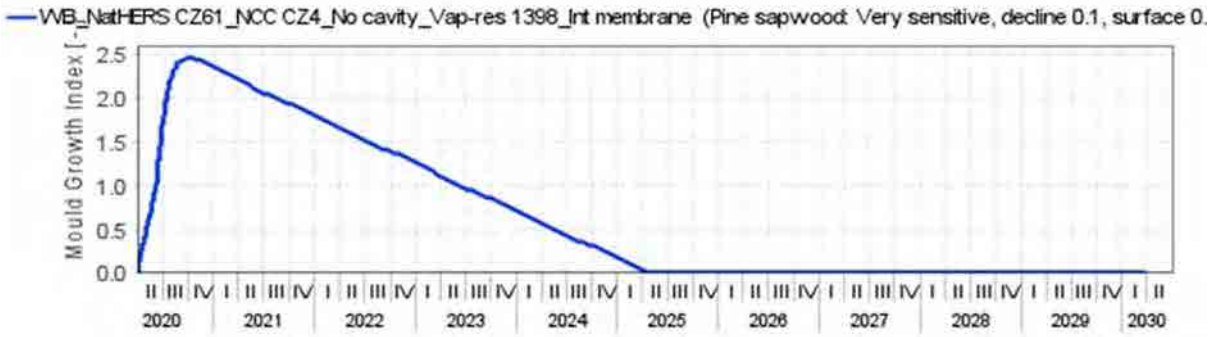

Figure 39 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

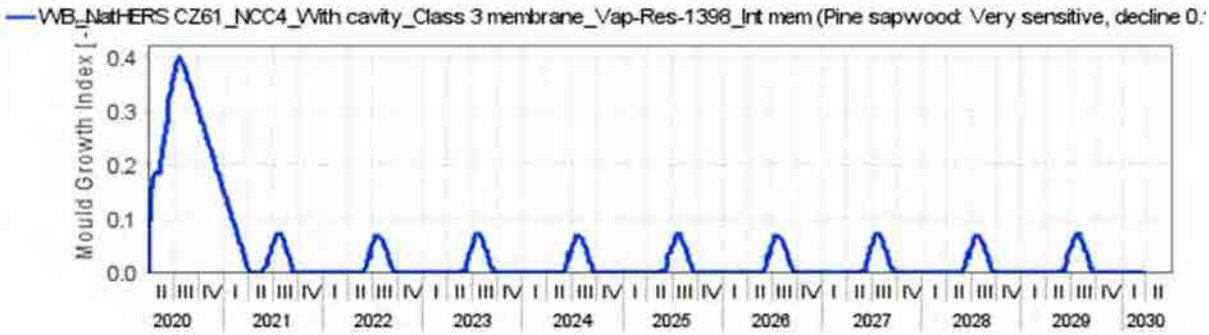

Figure 40 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

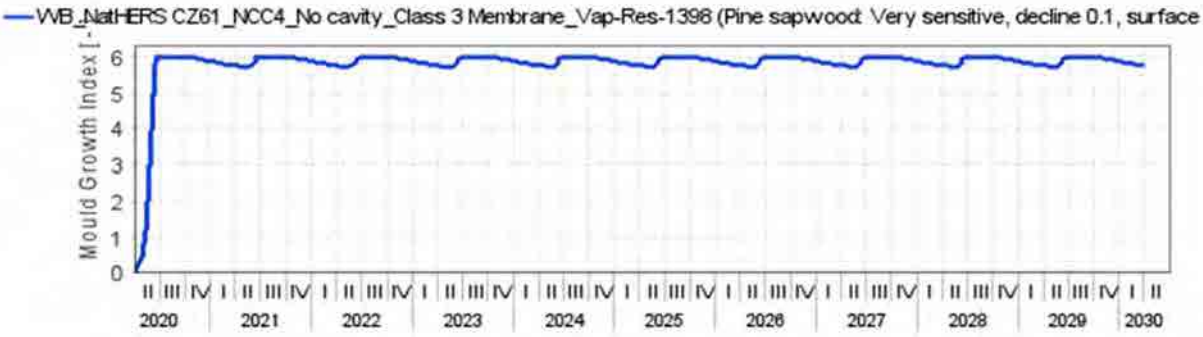

Figure 41: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

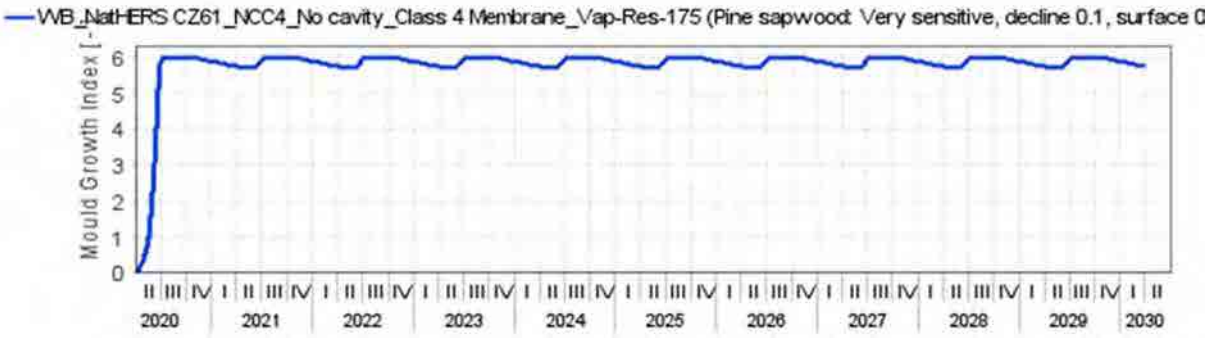

Figure 42: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 43 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

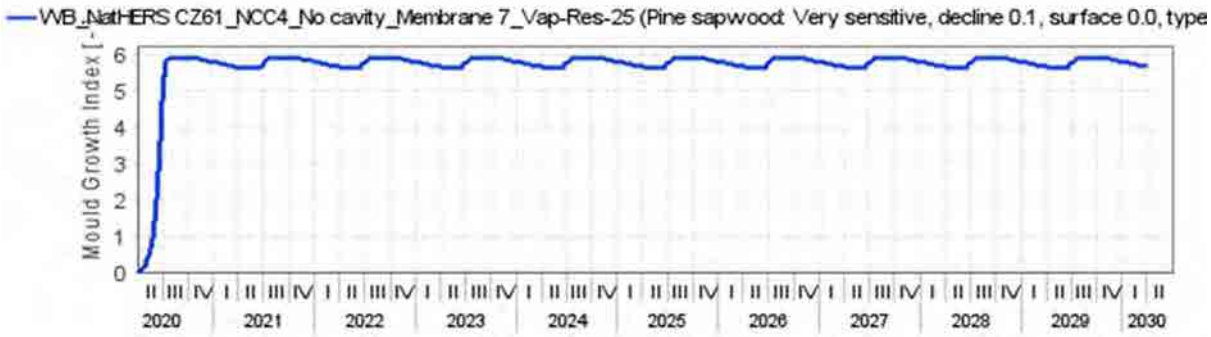

Figure 44: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

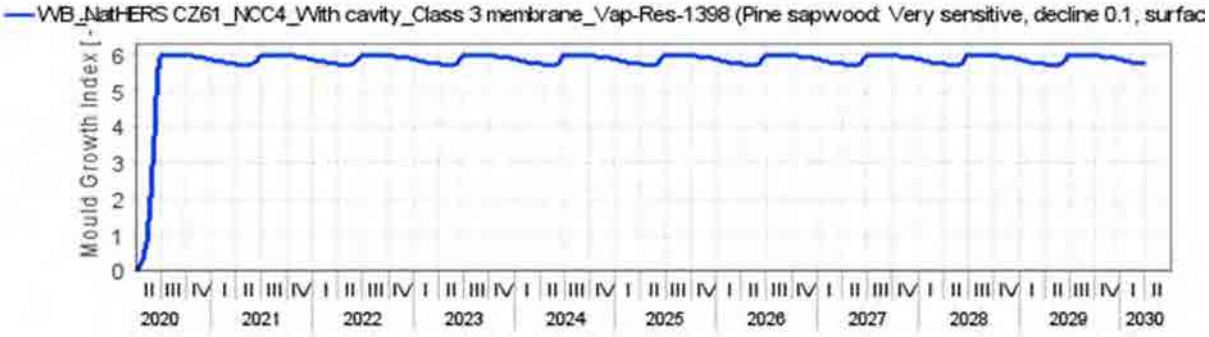

Figure 45: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

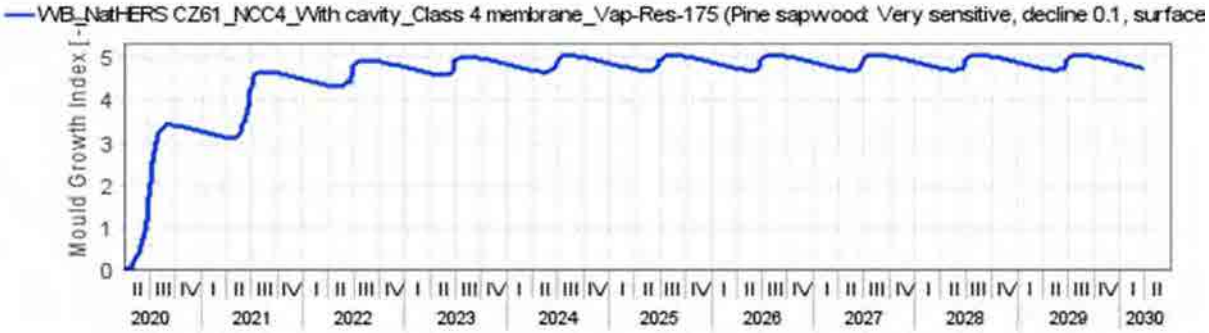

Figure 46: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

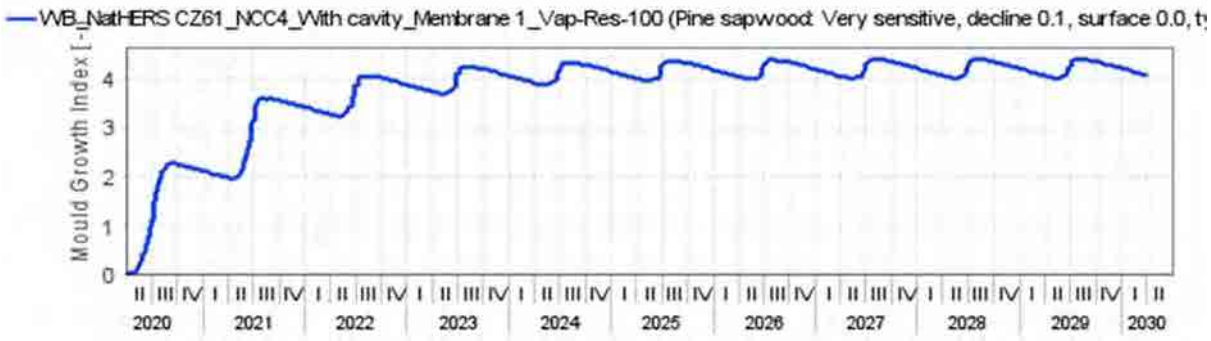

Figure 47 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

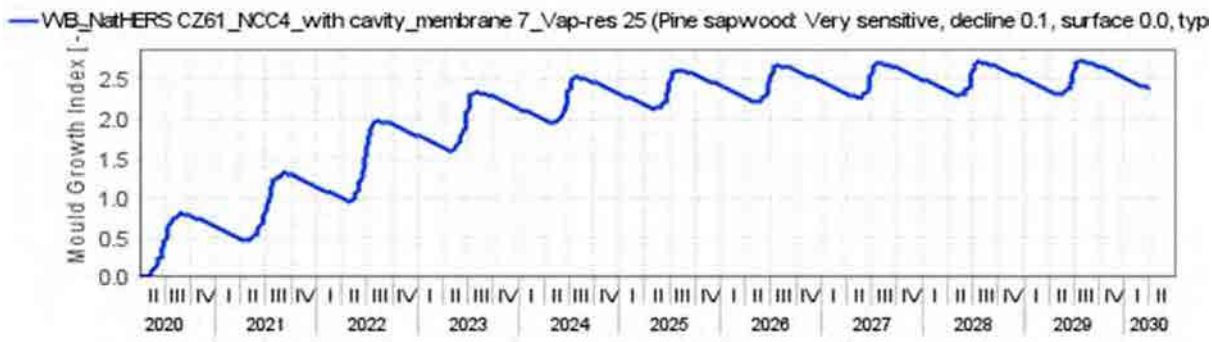

Figure 48: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

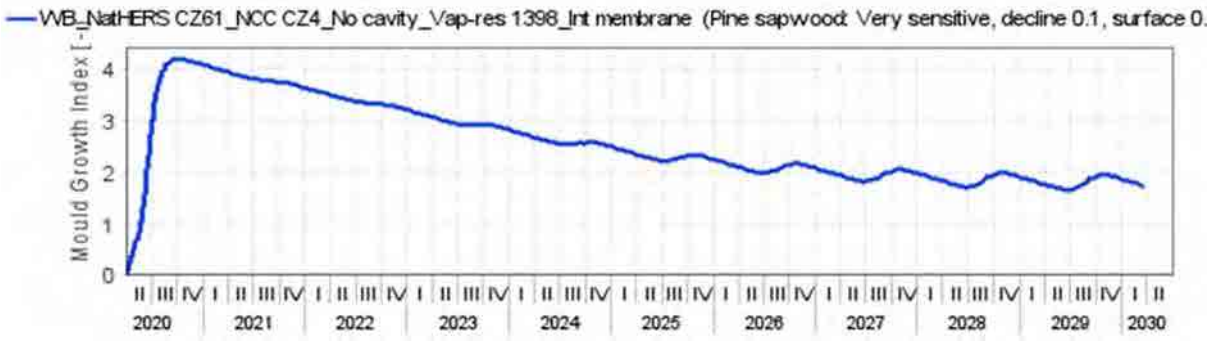

Figure 49 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

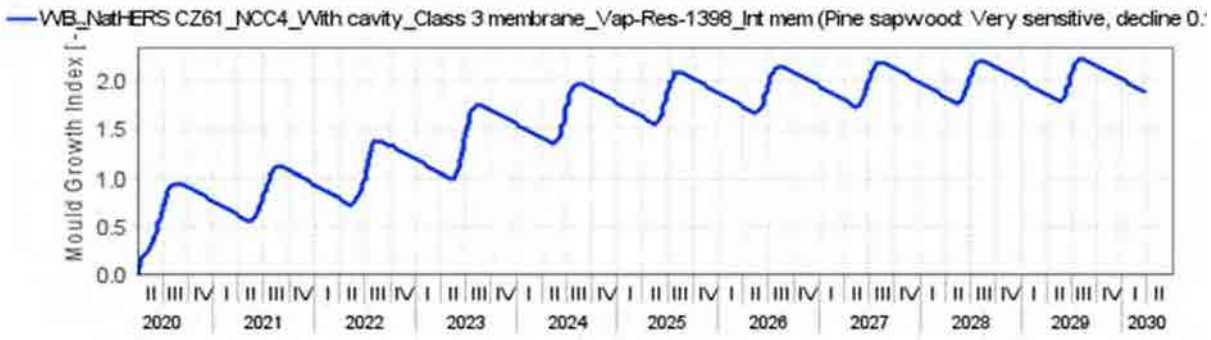

Figure 50 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

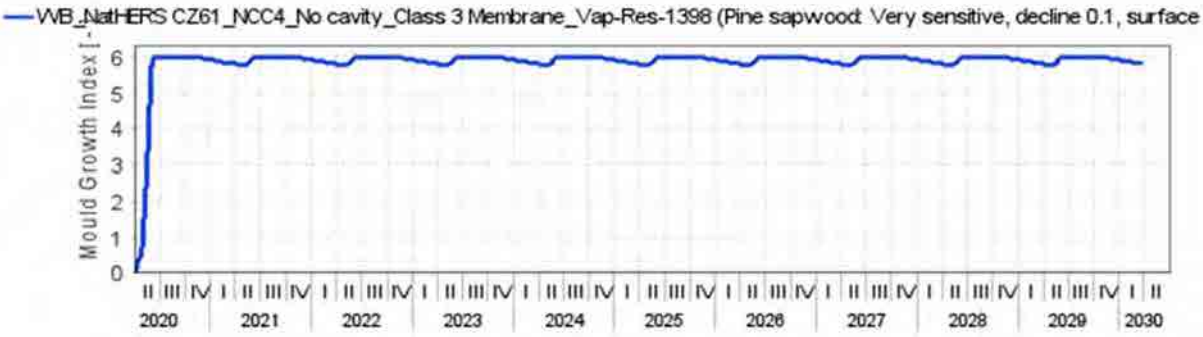

Figure 51: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

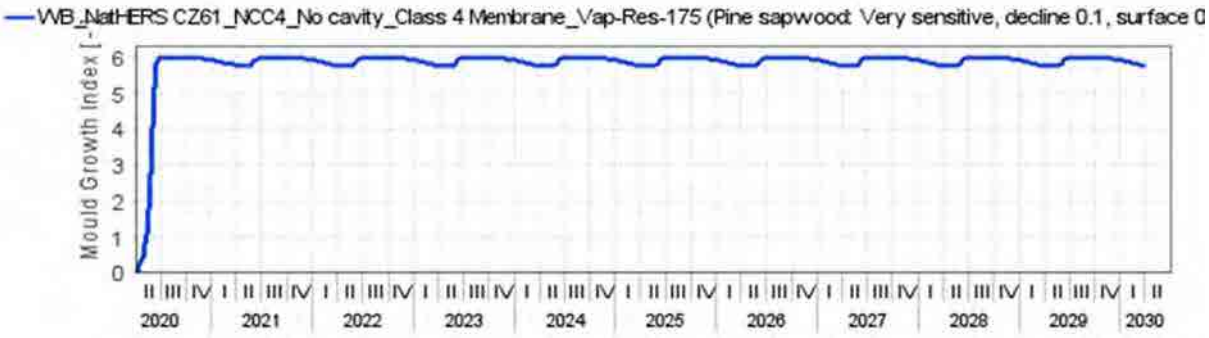

Figure 52: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

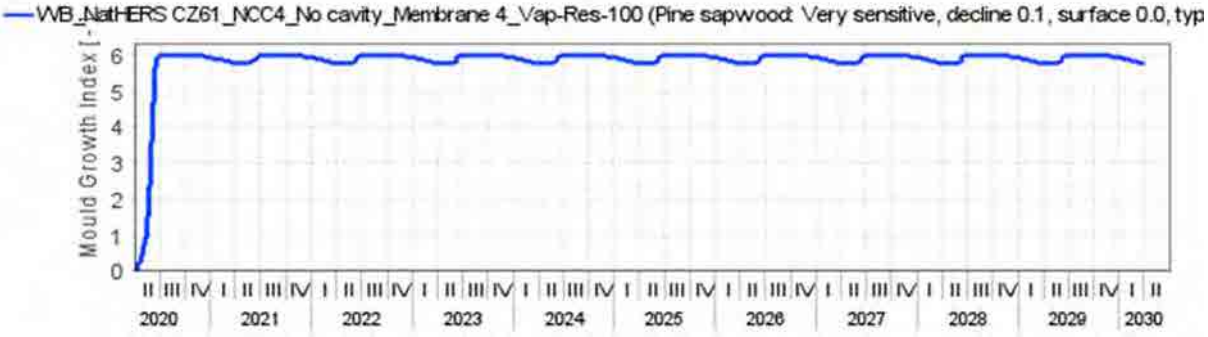

Figure 53 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

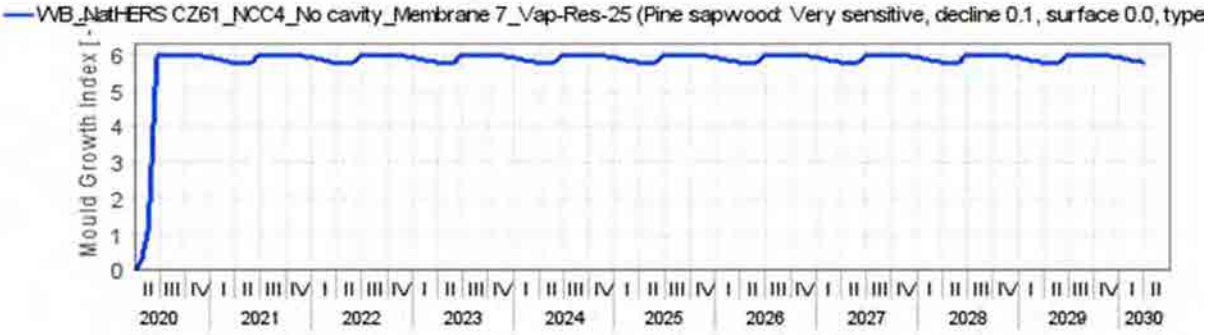

Figure 54: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

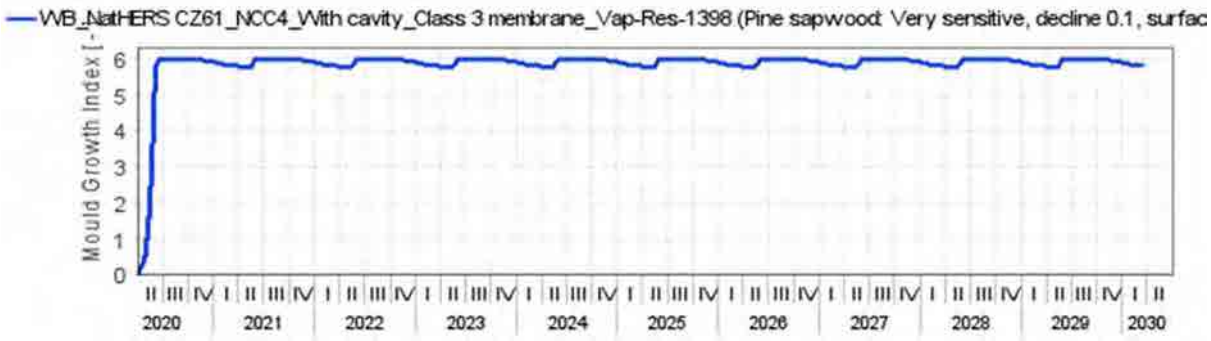

Figure 55: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

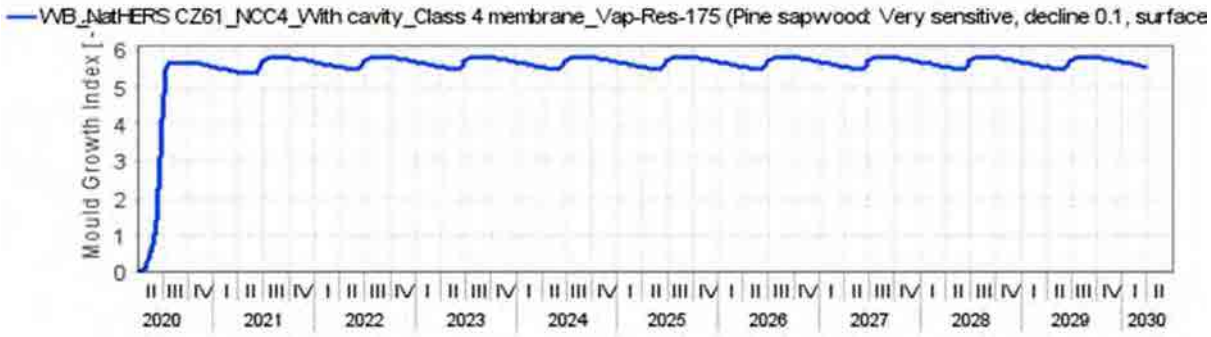

Figure 56: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 57 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 58: Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

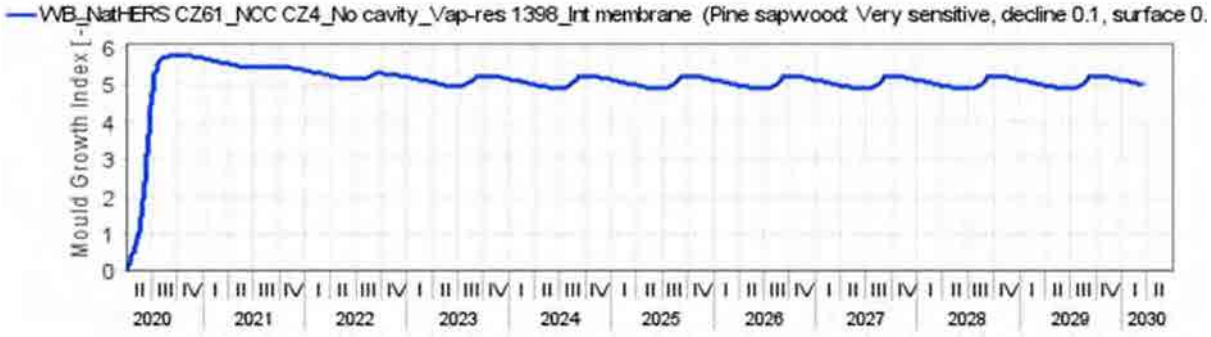

Figure 59 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

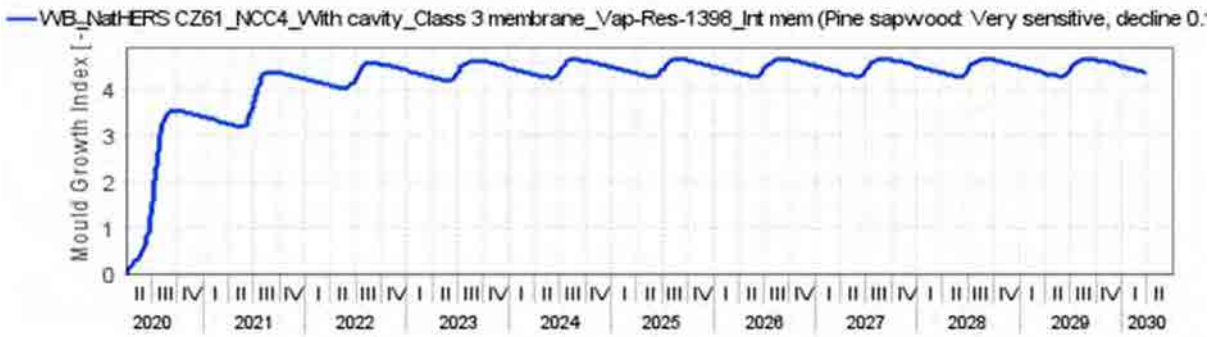

Figure 60 Timber Cladding NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

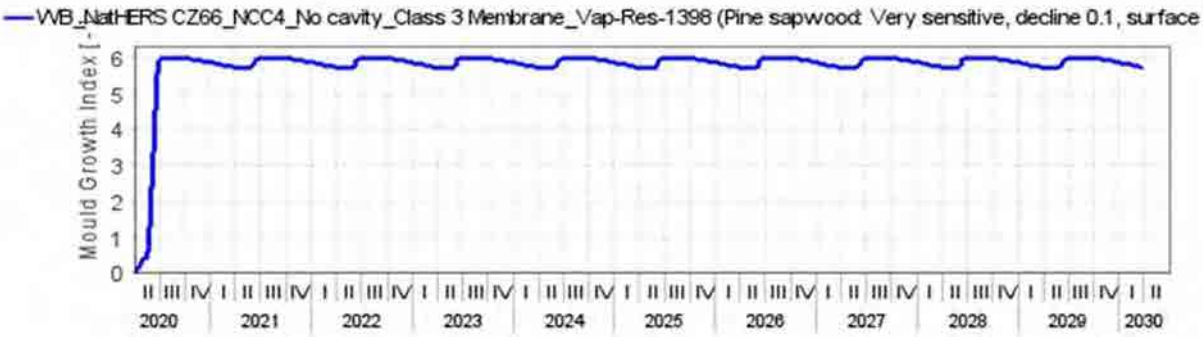

Figure 61: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

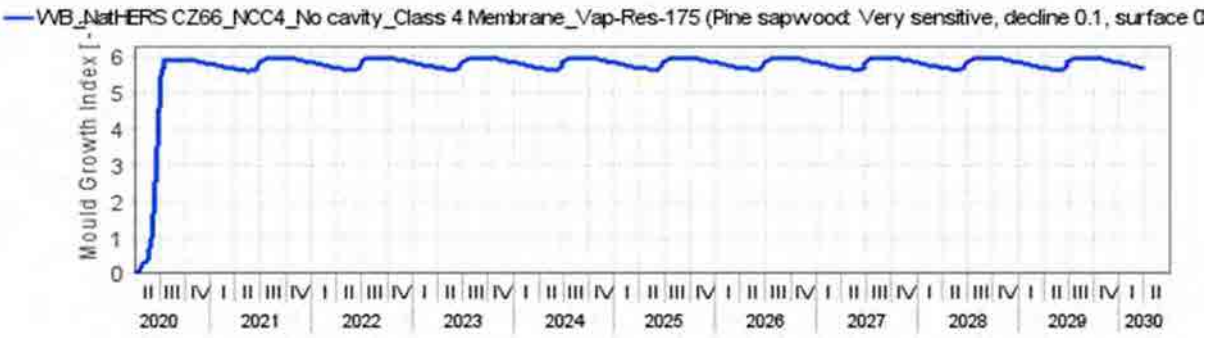

Figure 62: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

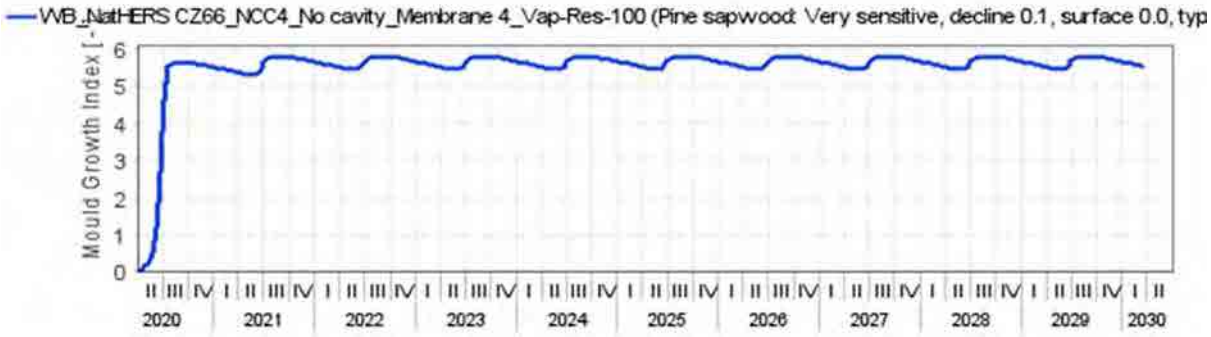

Figure 63 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

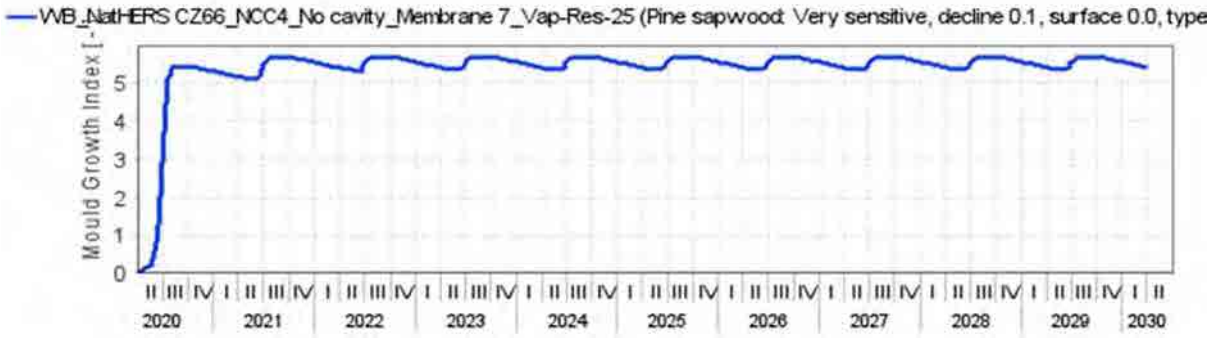

Figure 64: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

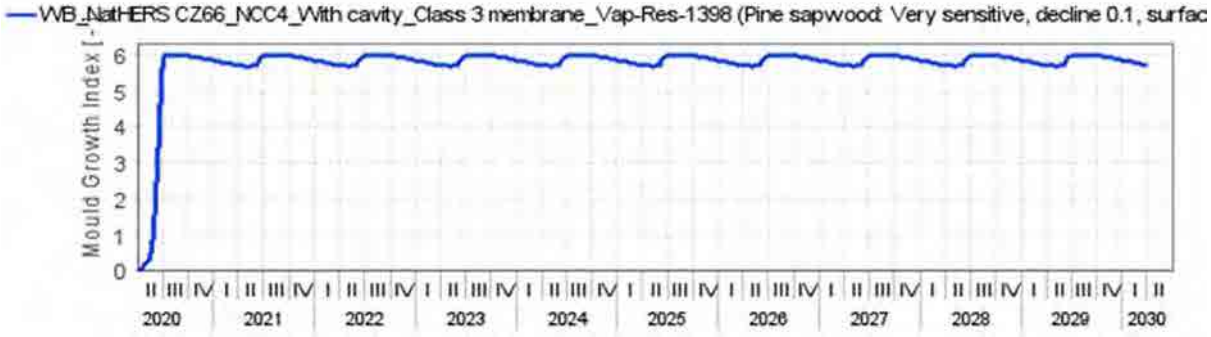

Figure 65: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 66: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

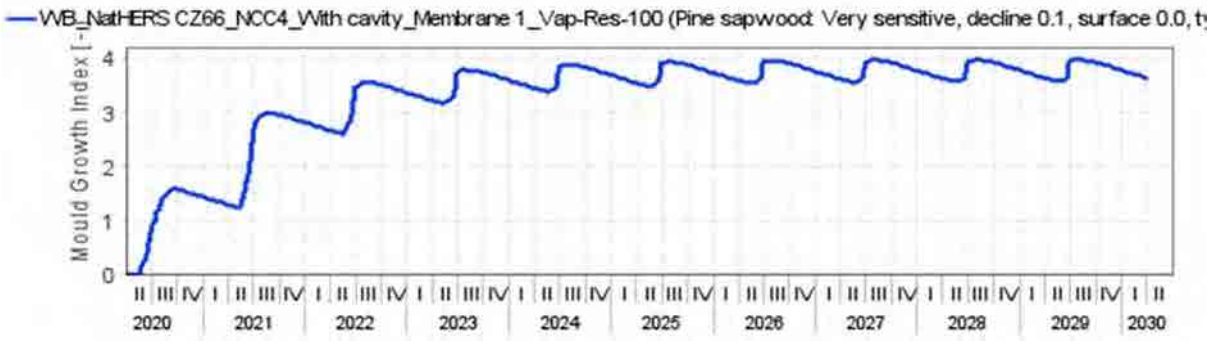

Figure 67 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

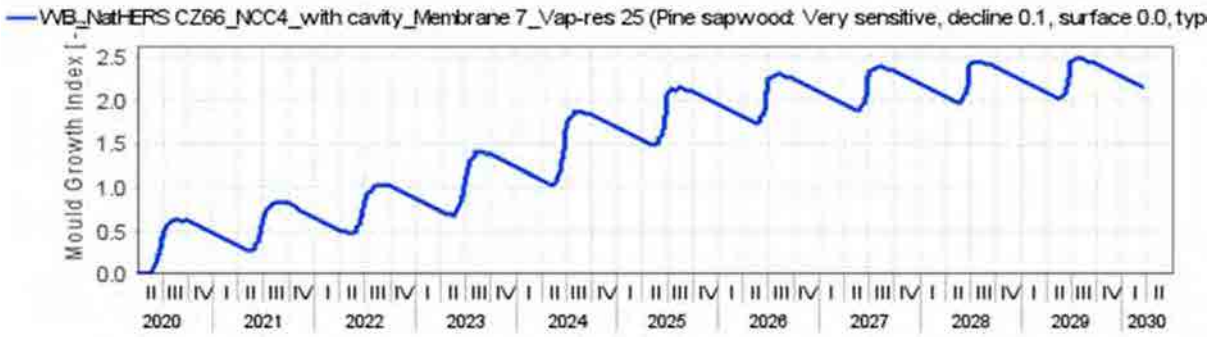

Figure 68: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

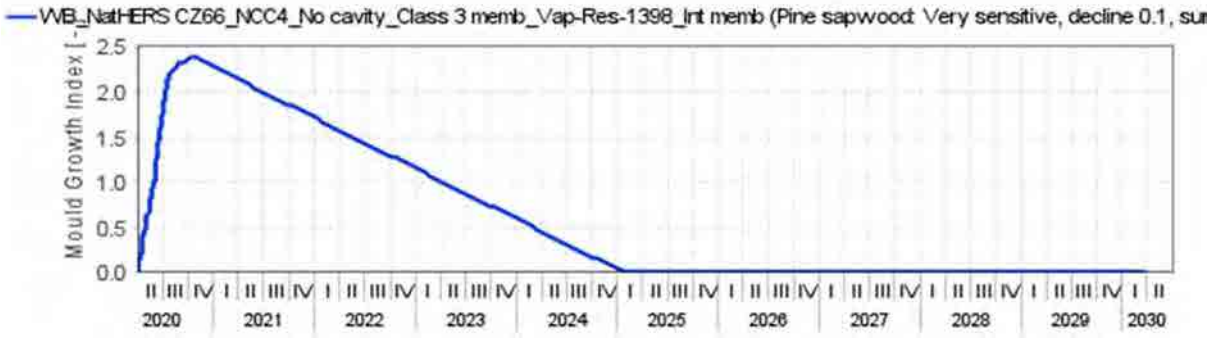

Figure 69 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

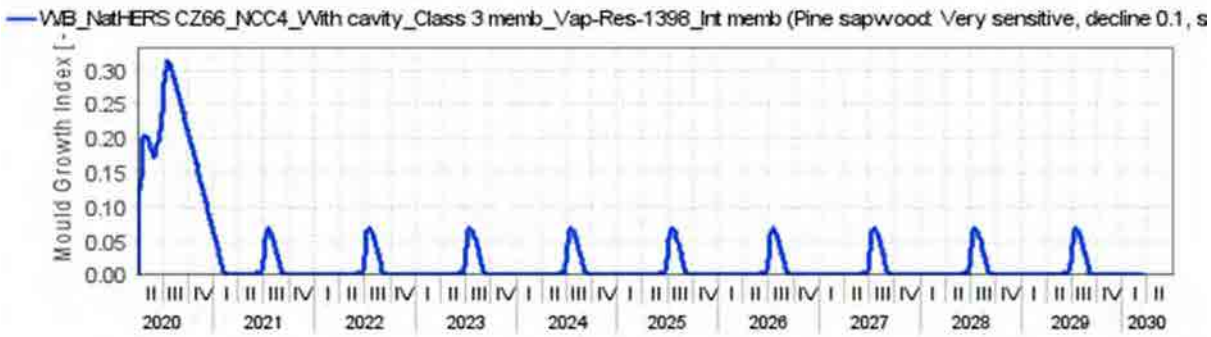

Figure 70 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

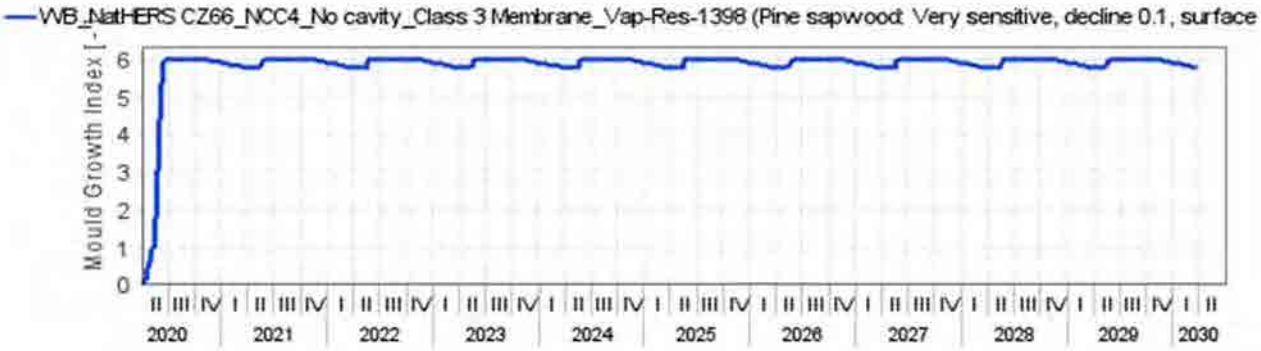

Figure 71: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

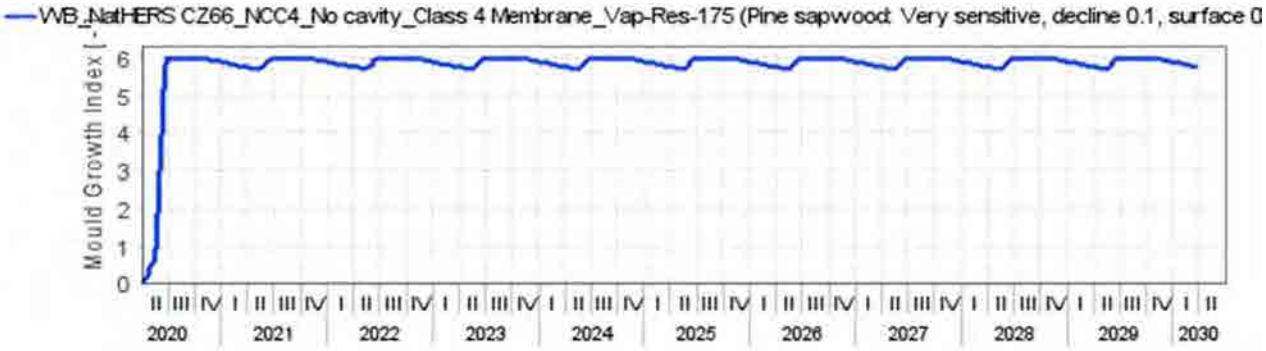

Figure 72: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

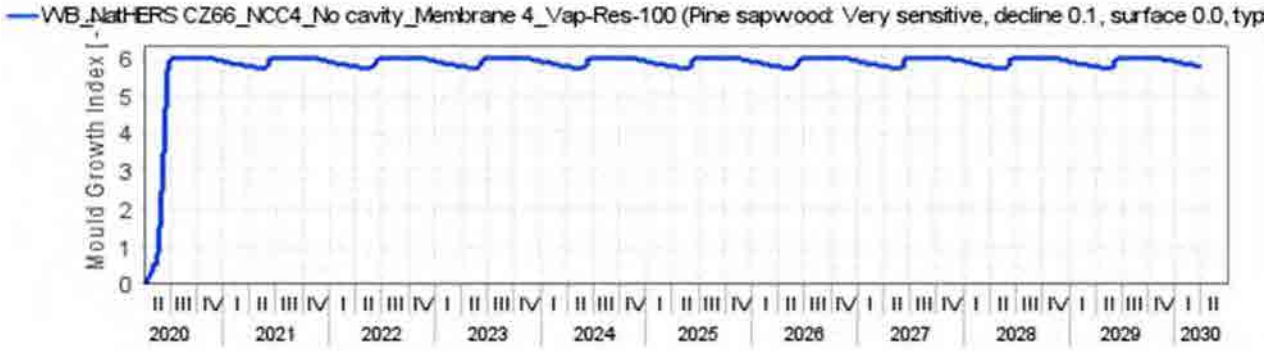

Figure 73 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

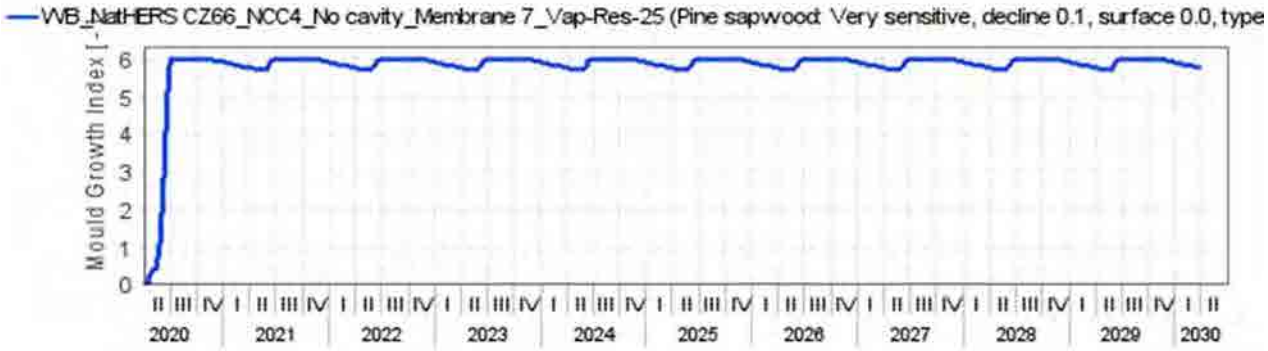

Figure 74: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

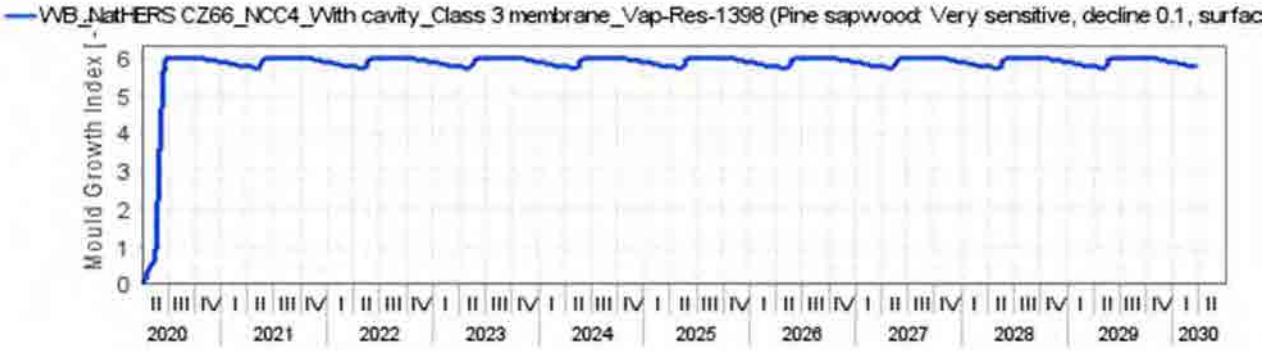

Figure 75: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

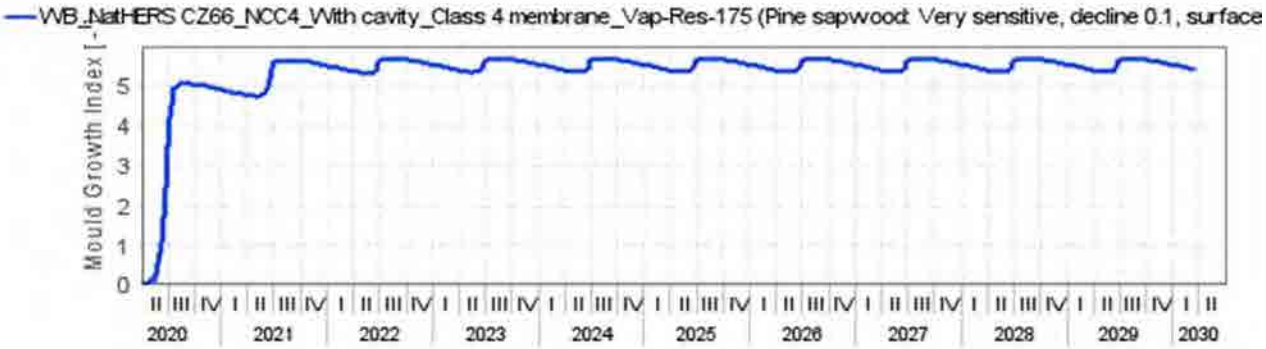

Figure 76: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

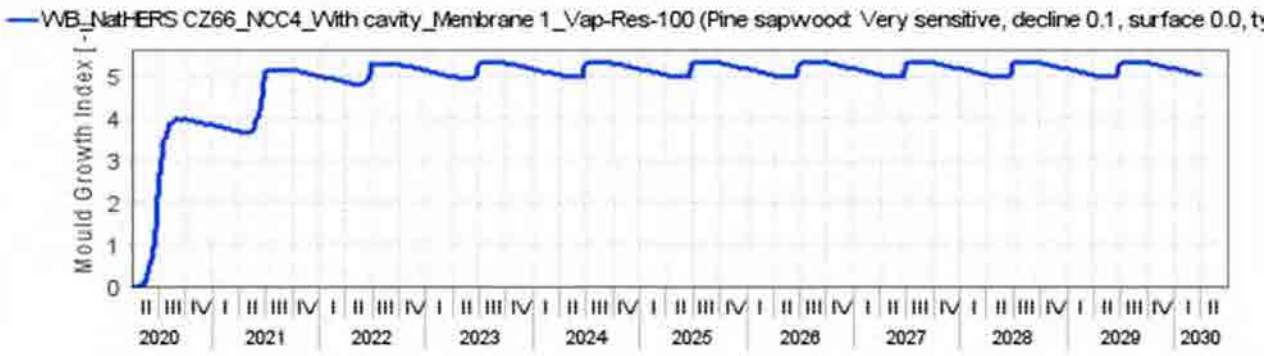

Figure 77 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

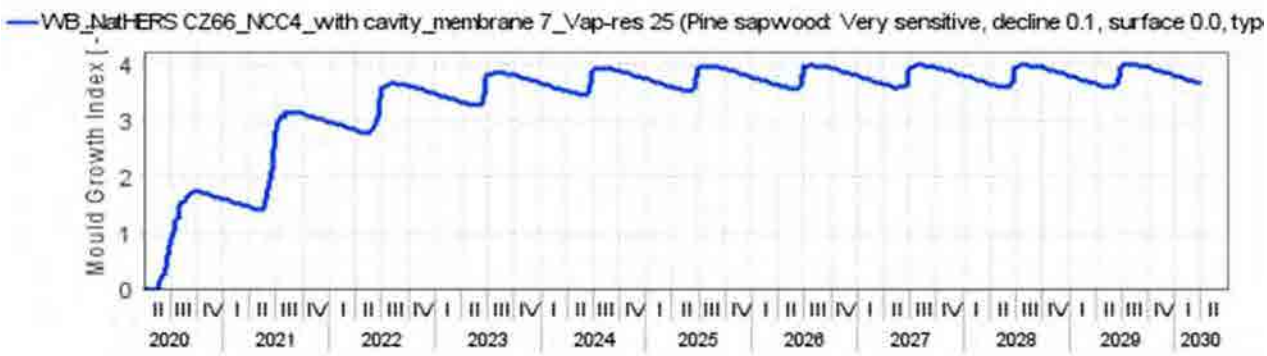

Figure 78: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

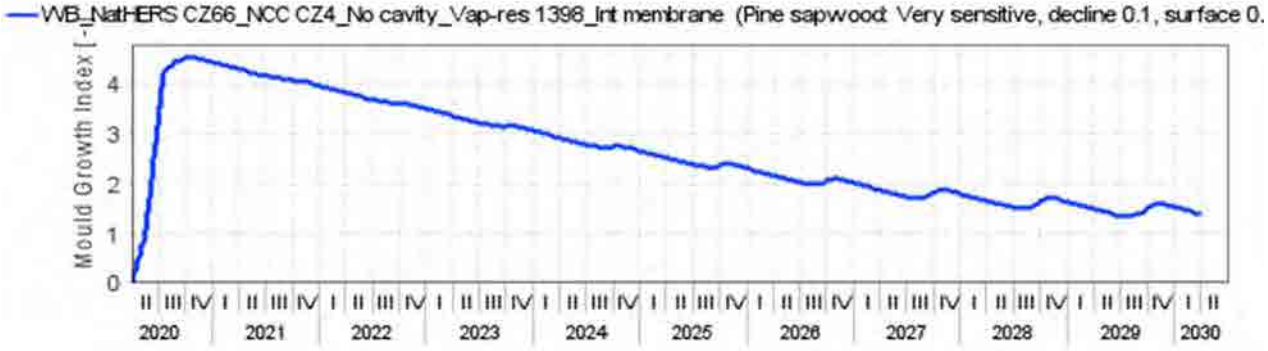

Figure 79 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

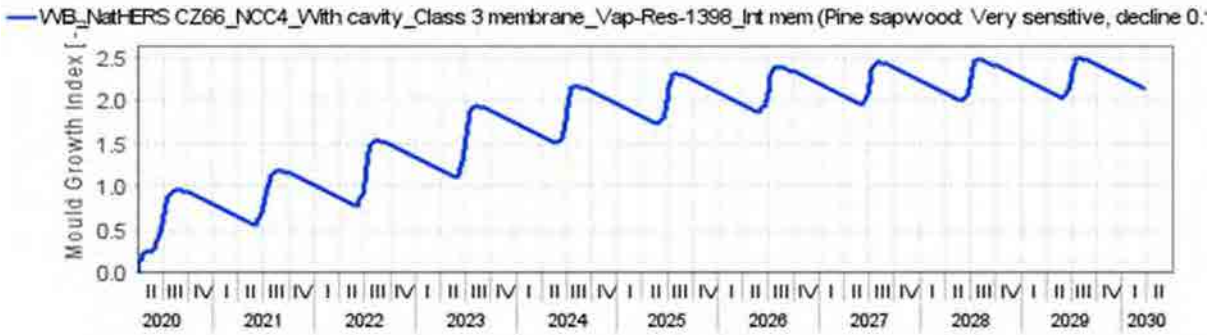

Figure 80 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

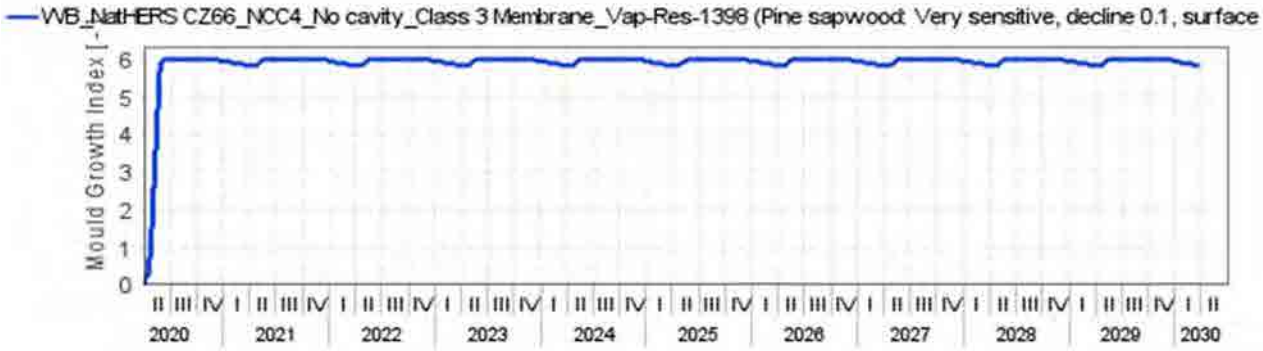

Figure 81: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

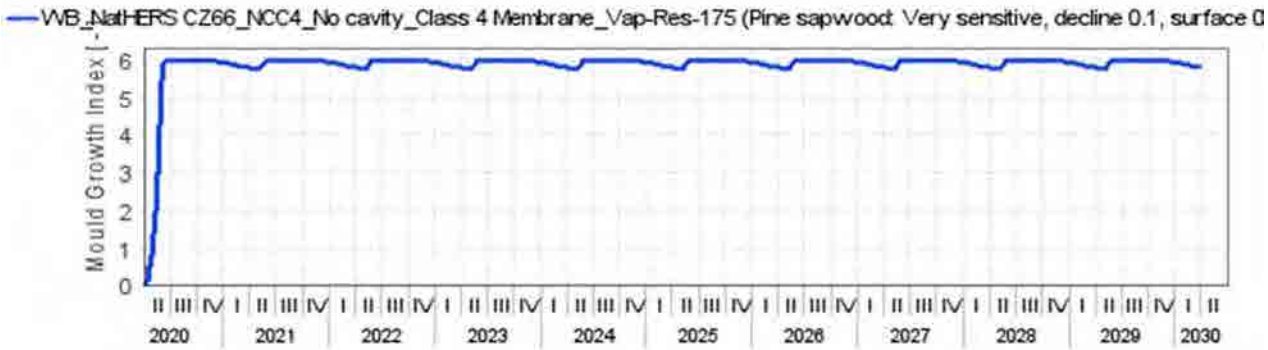

Figure 82: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

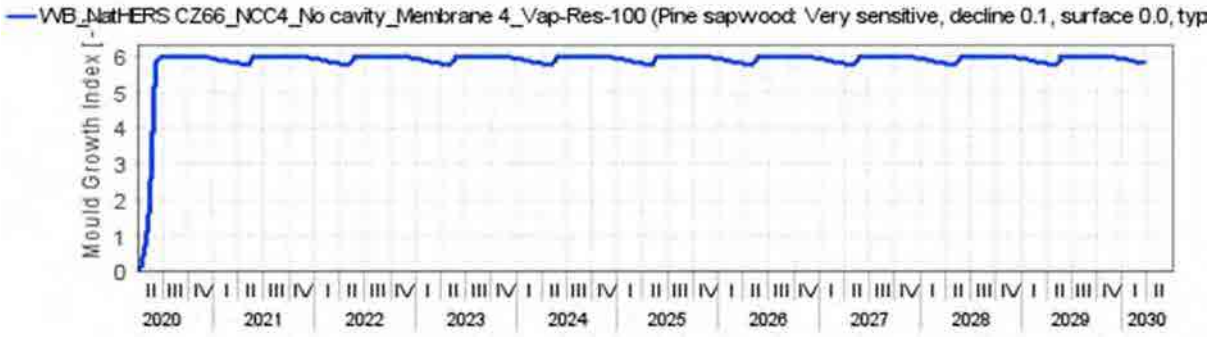

Figure 83 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

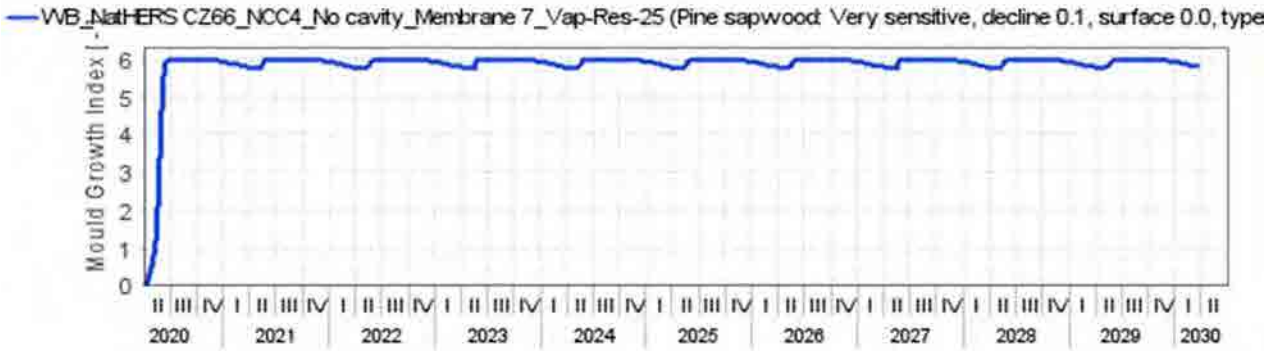

Figure 84: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

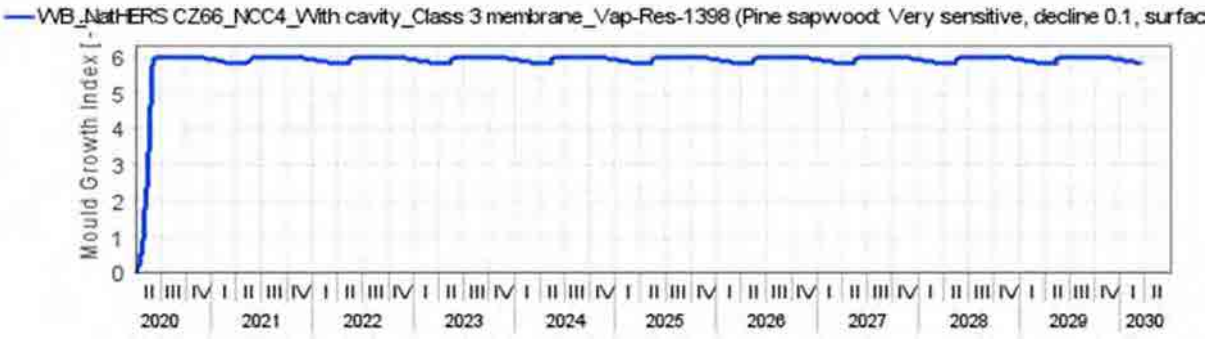

Figure 85: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

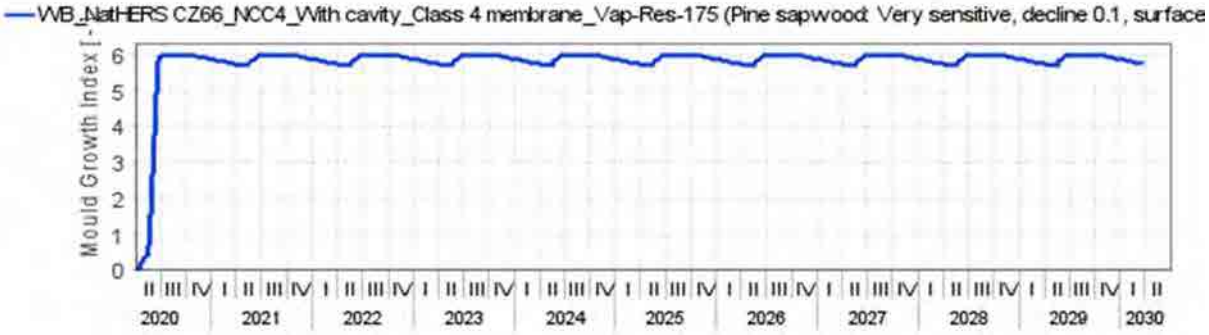

Figure 86: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

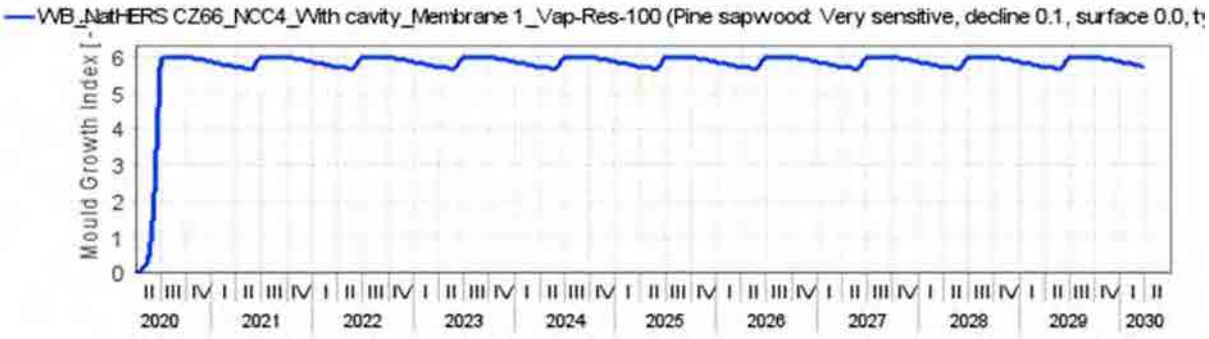

Figure 87 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

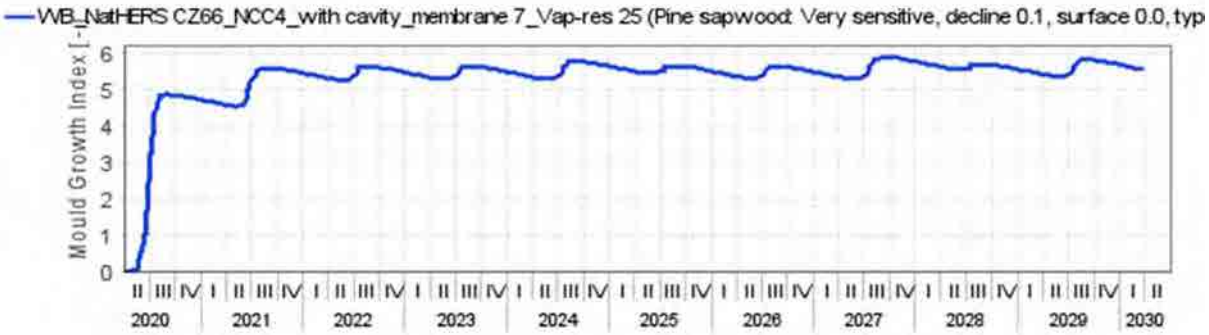

Figure 88: Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

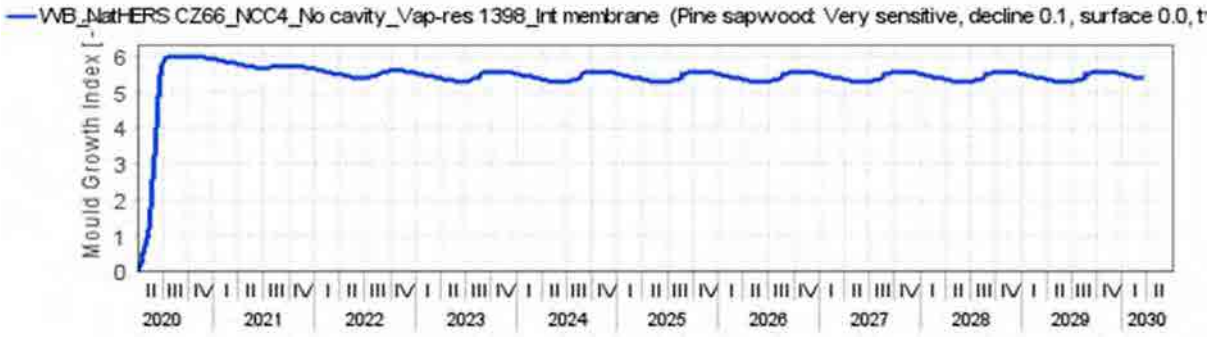

Figure 89 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

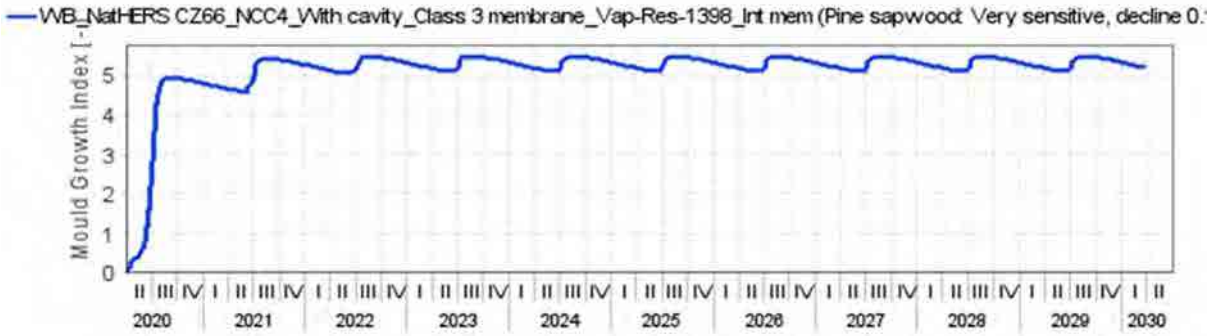

Figure 90 Timber Cladding NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NCC CZ6

NatHERS CZ 21, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

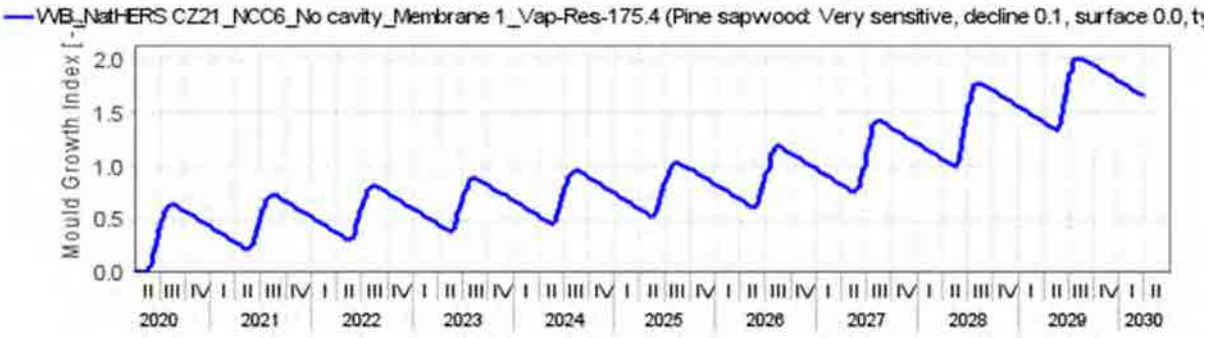

Figure 91: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

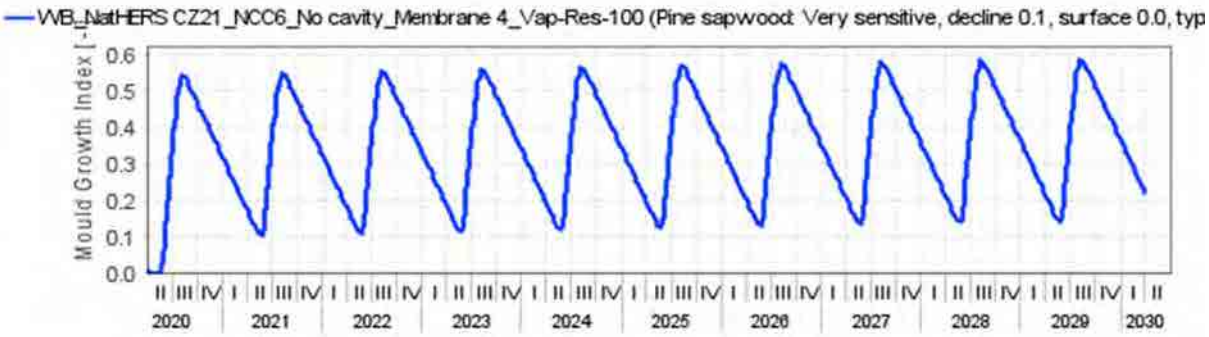

Figure 92 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

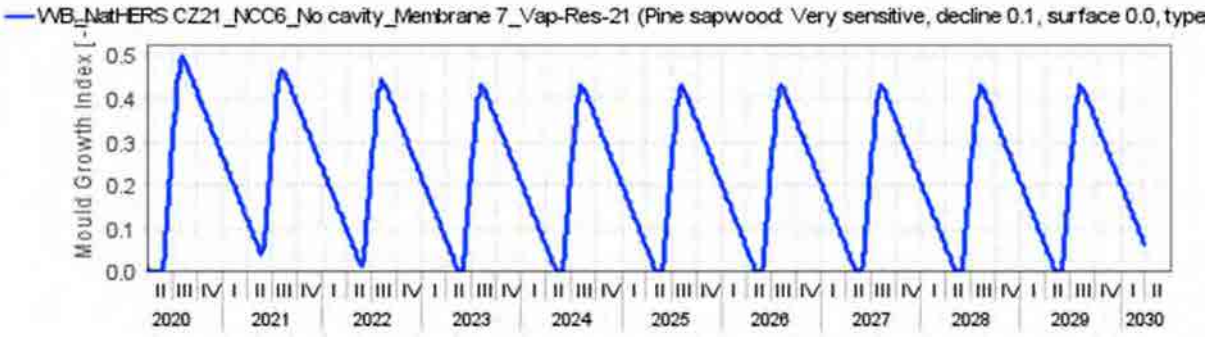

Figure 93: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

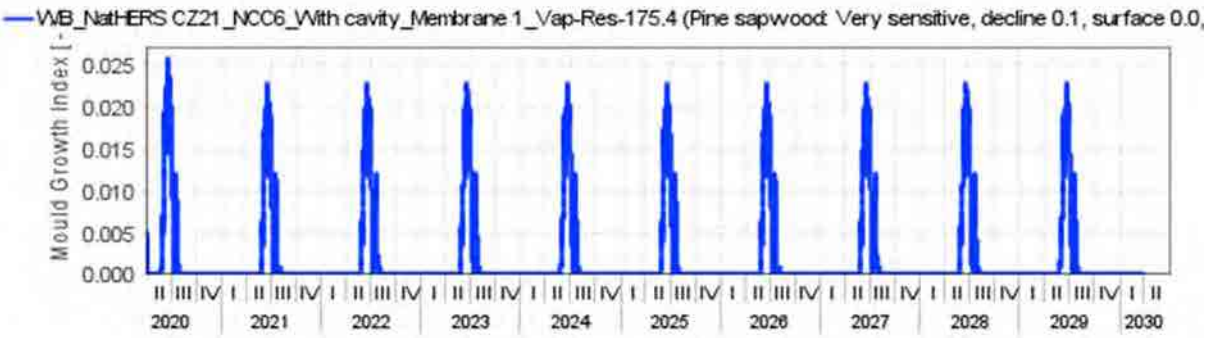

Figure 94: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

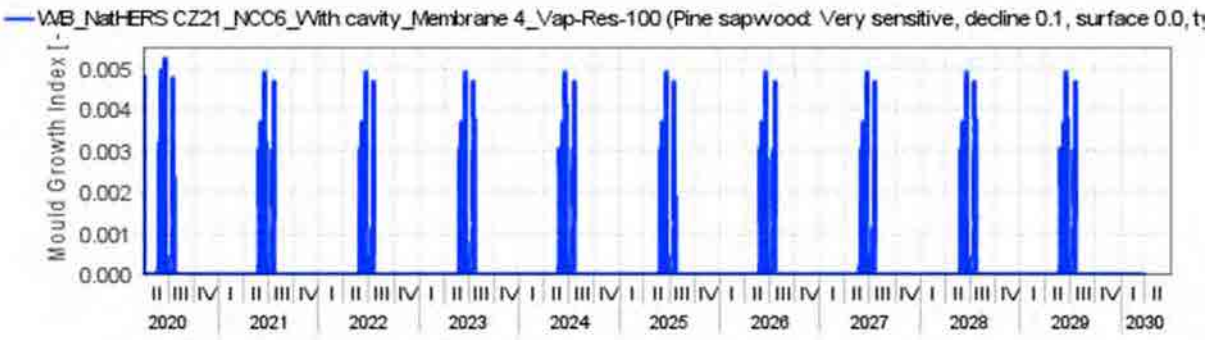

Figure 95 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

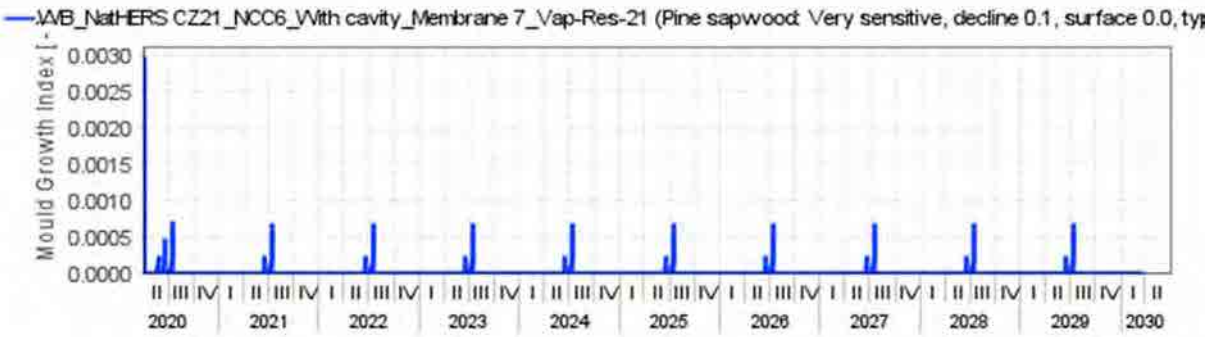

Figure 96: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

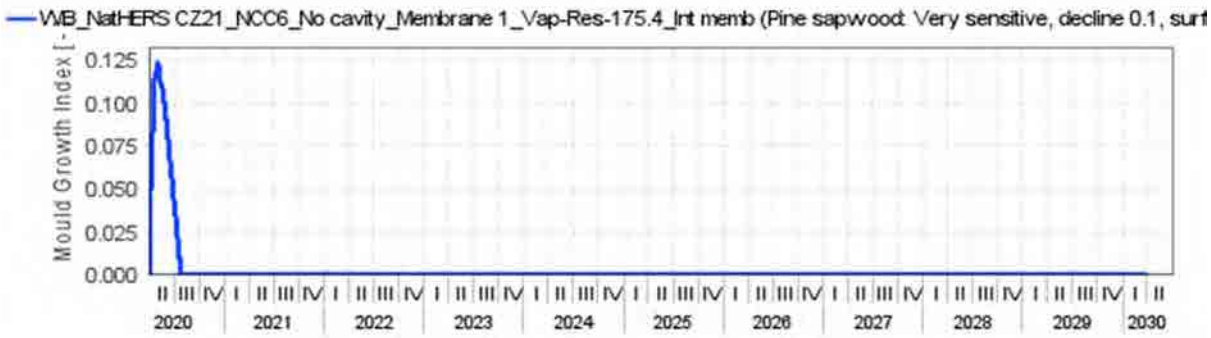

Figure 97 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

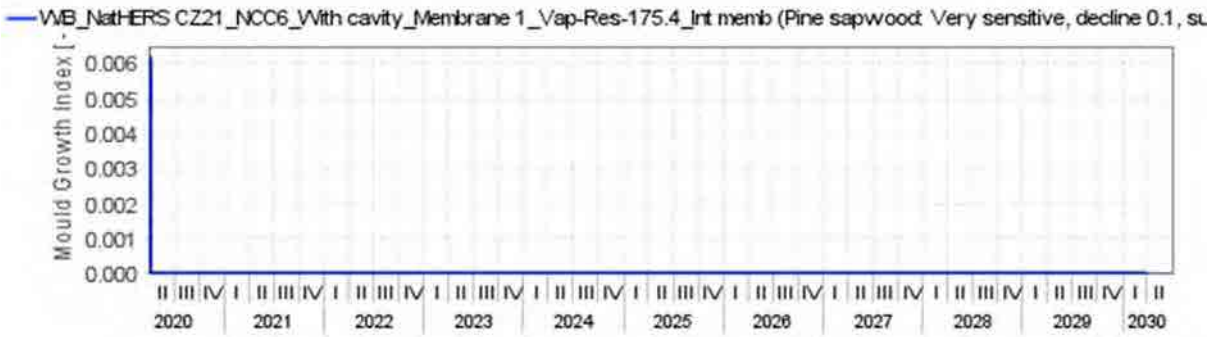

Figure 98 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

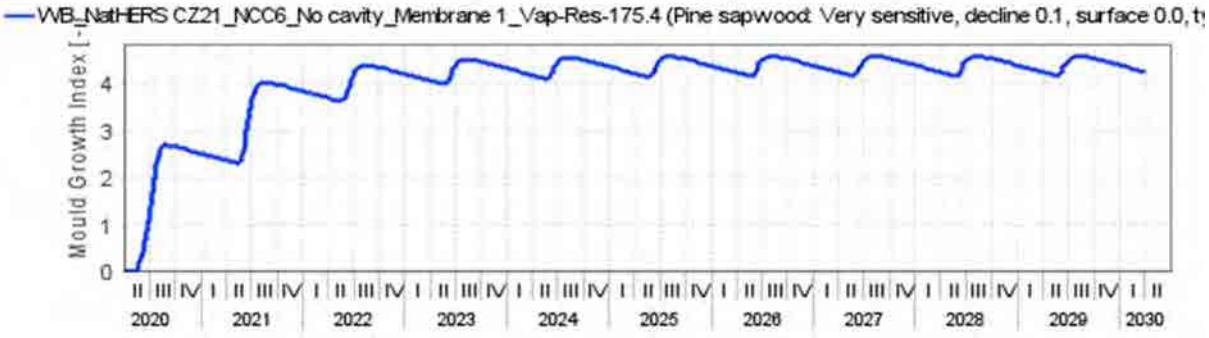

Figure 99: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

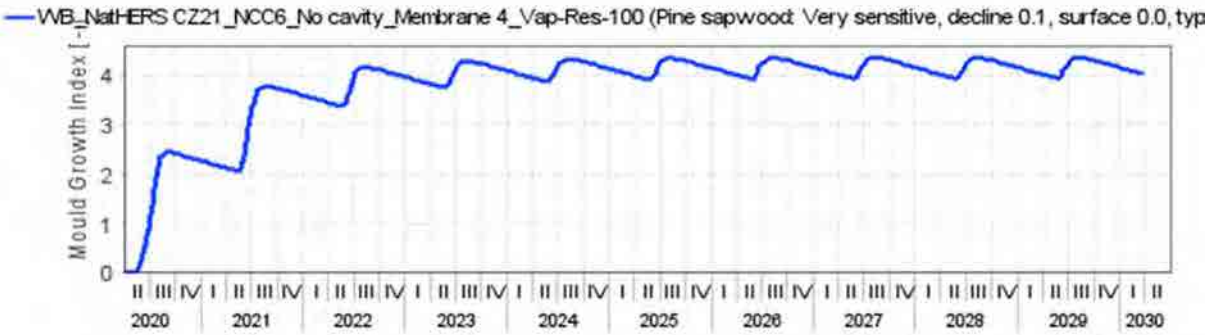

Figure 100 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

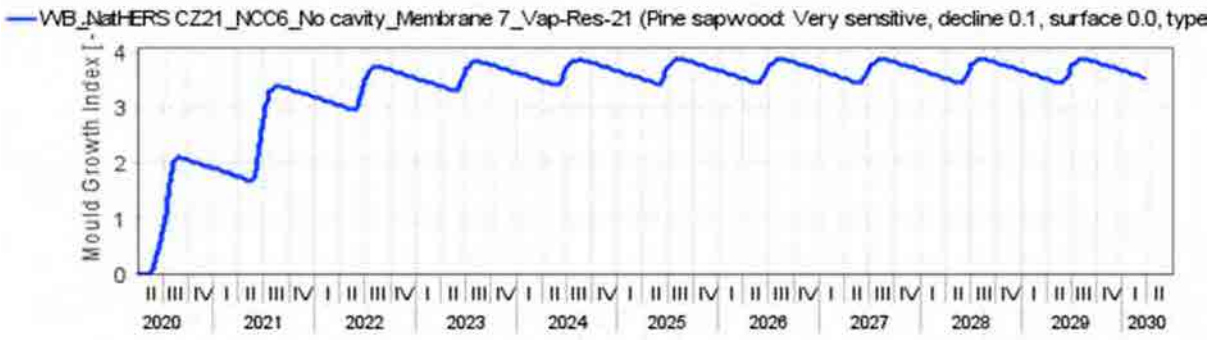

Figure 101: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

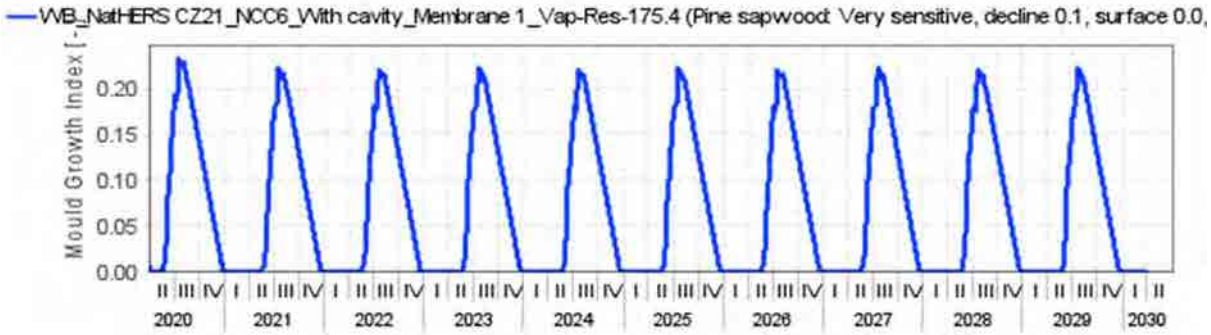

Figure 102: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

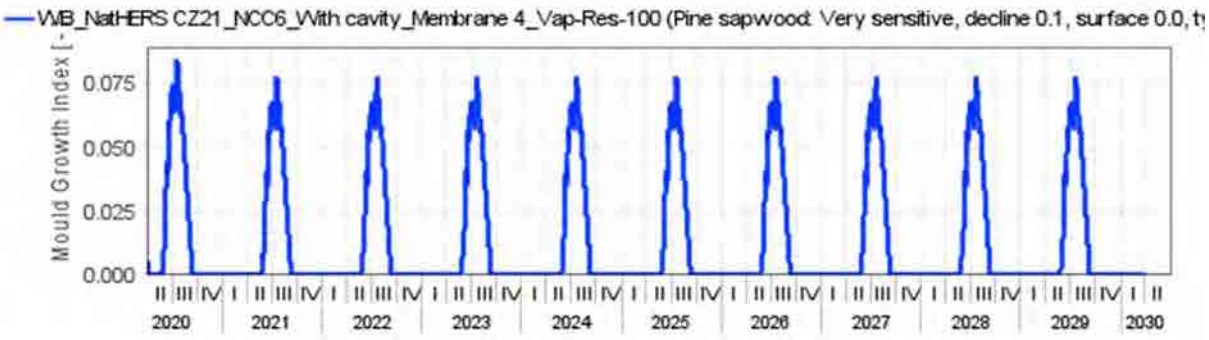

Figure 103 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

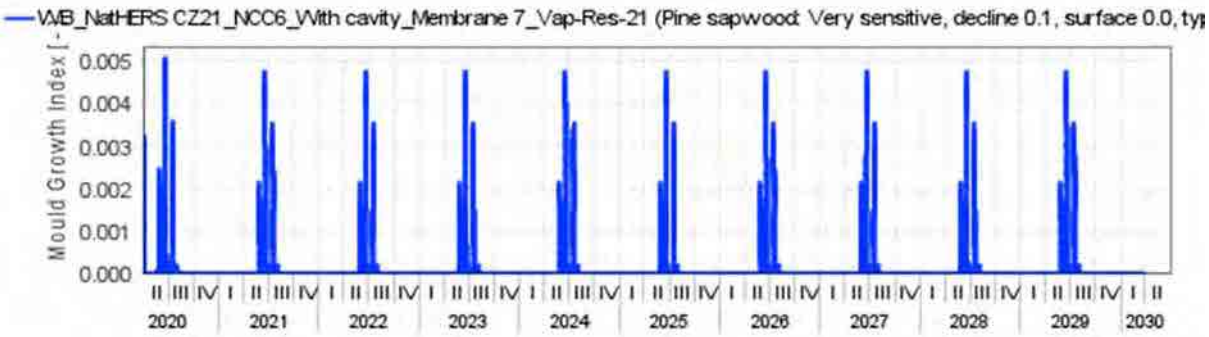

Figure 104: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

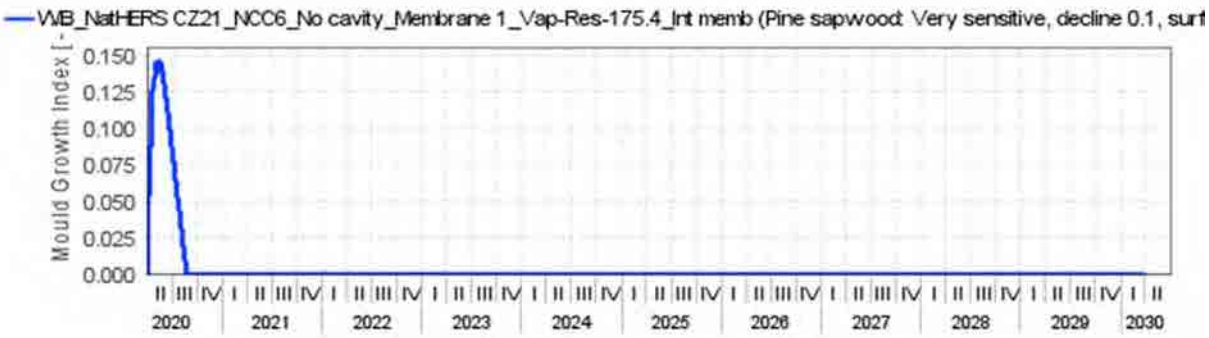

Figure 105 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

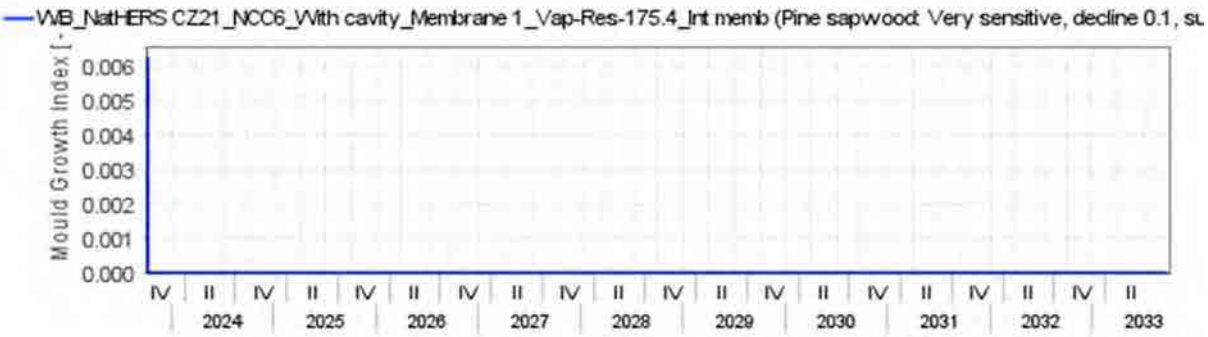

Figure 106 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

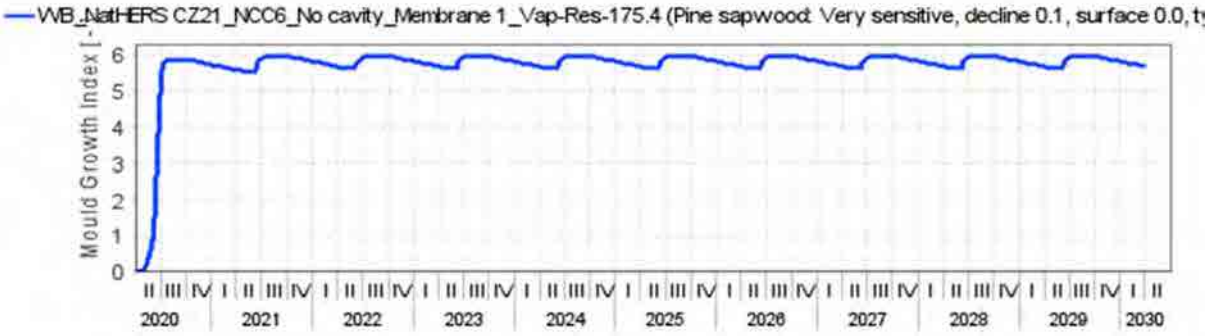

Figure 107: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

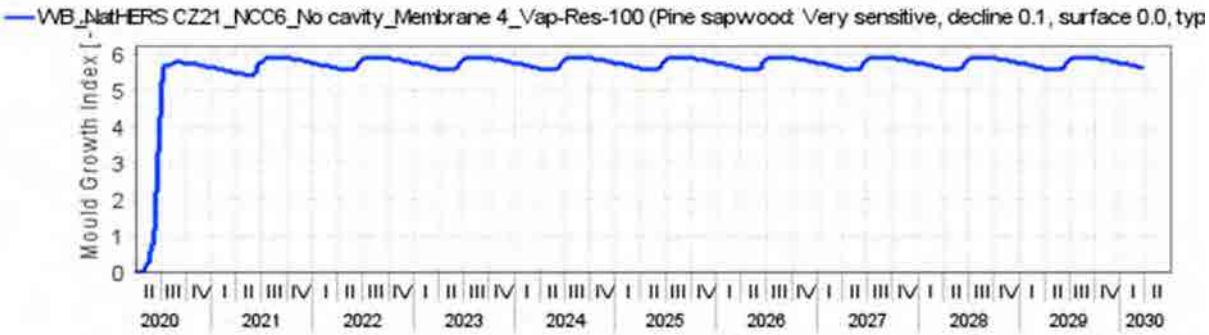

Figure 108 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

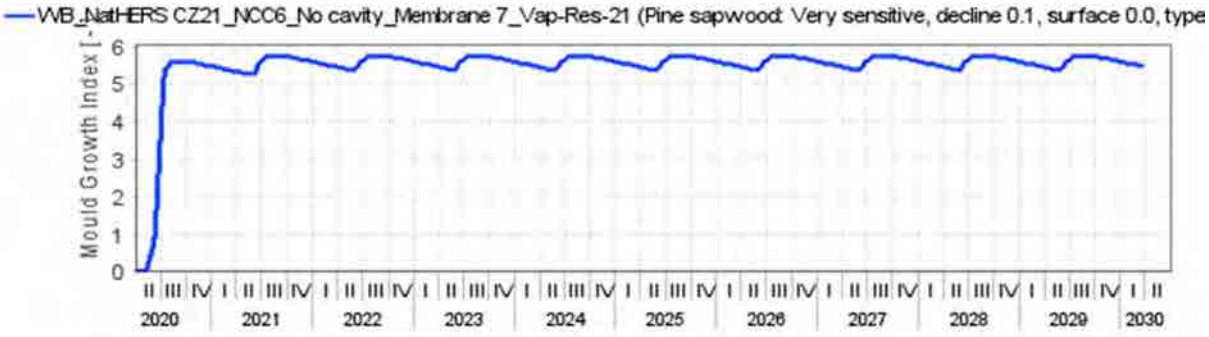

Figure 109: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 110: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

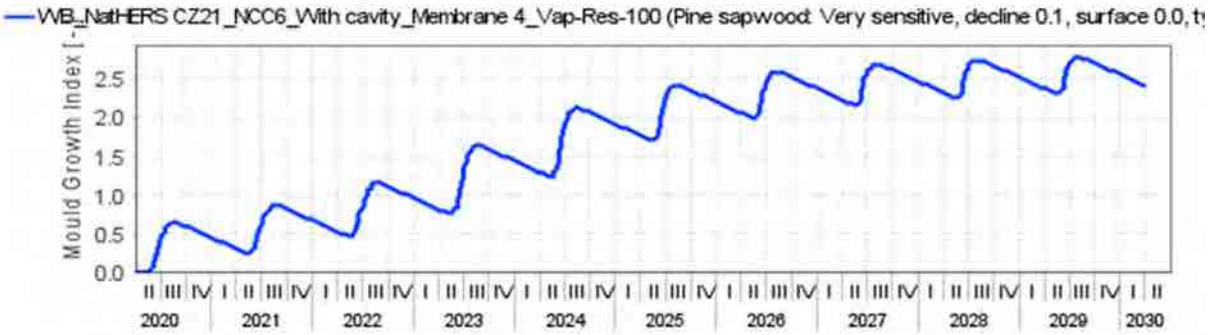

Figure 111 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

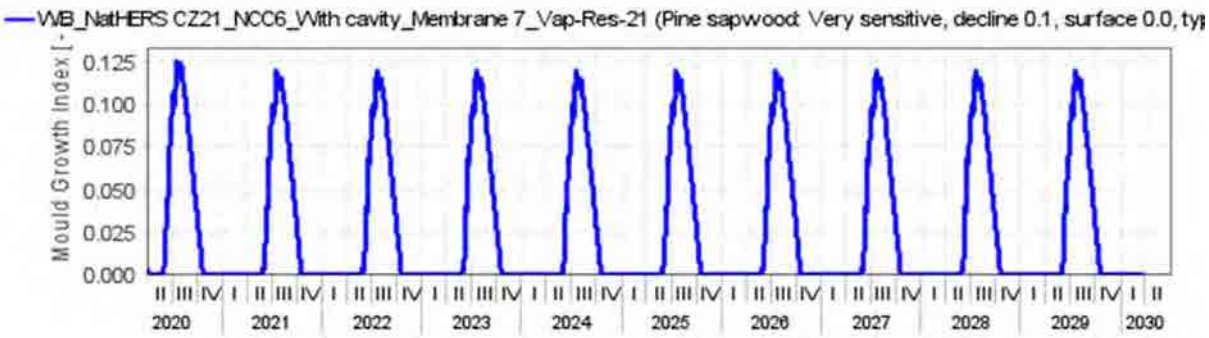

Figure 112: Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

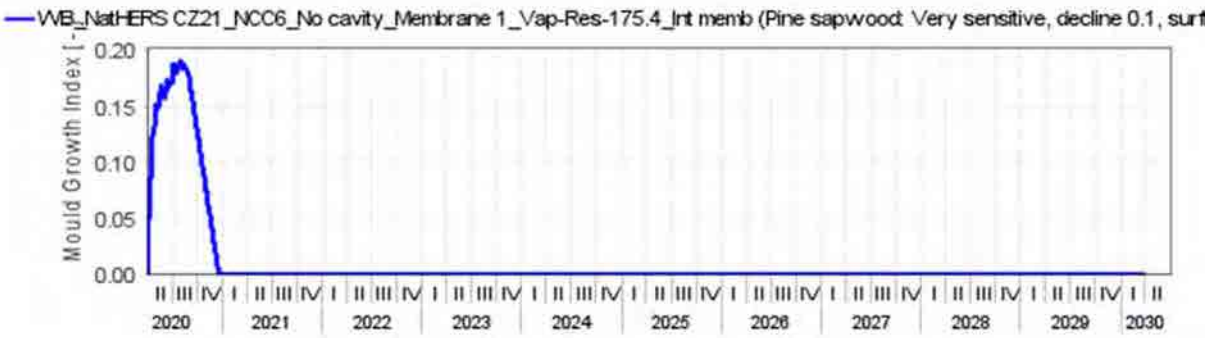

Figure 113 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

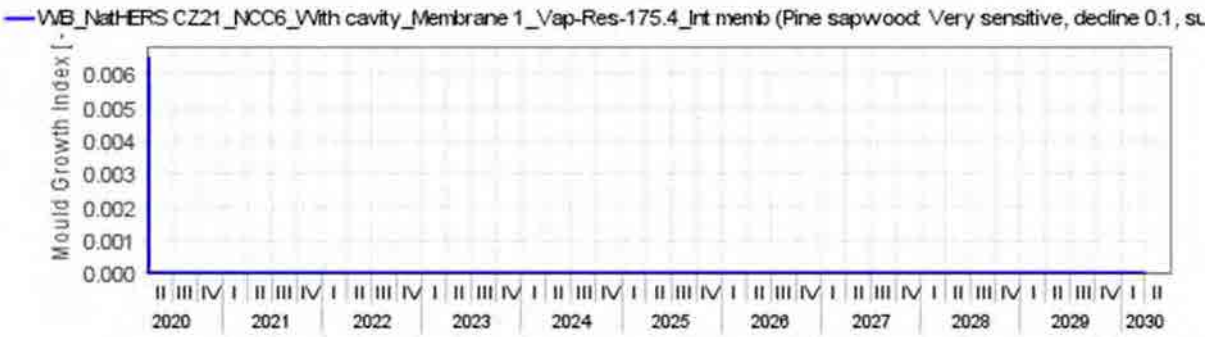

Figure 114 Timber Cladding NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

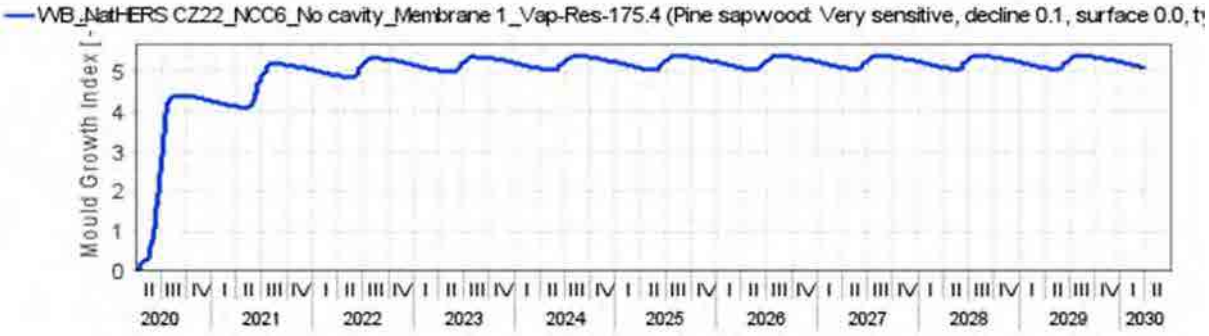

Figure 115: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

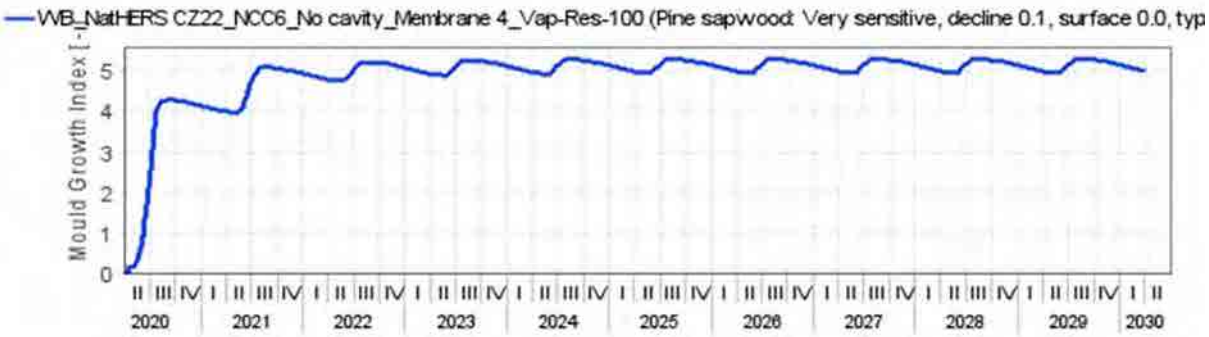

Figure 116 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

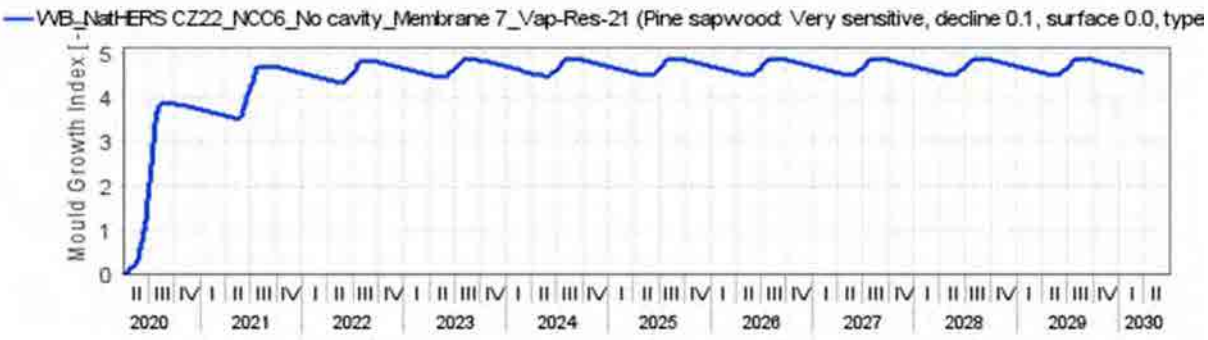

Figure 117: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

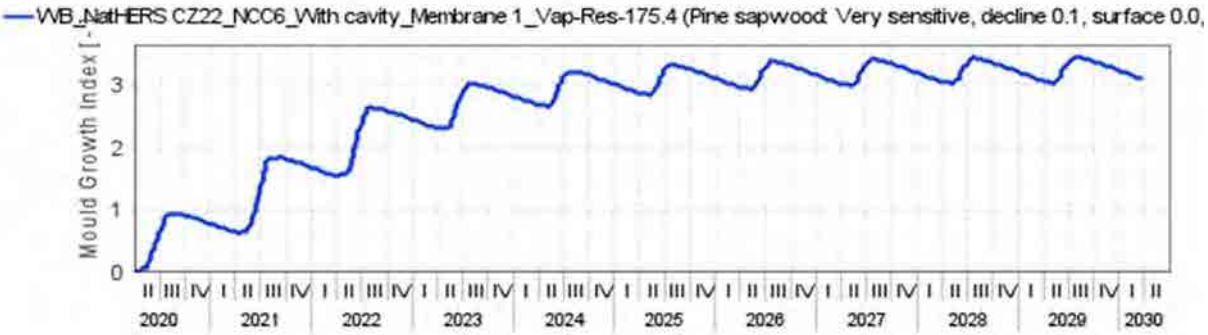

Figure 118: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

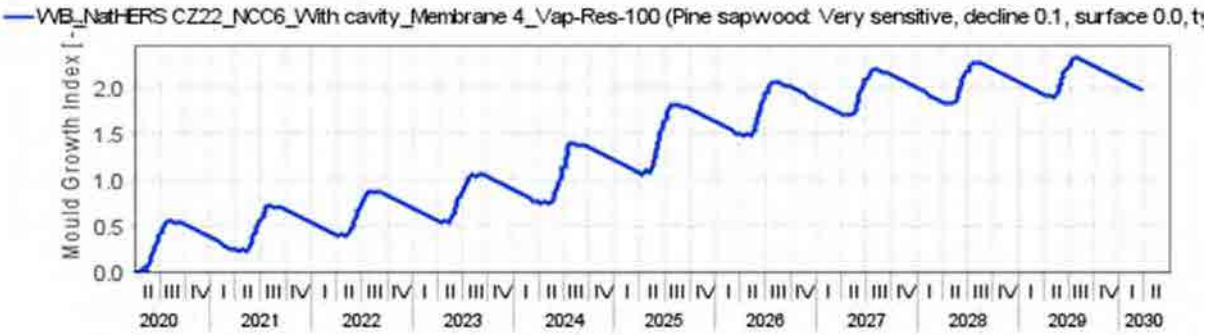

Figure 119 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

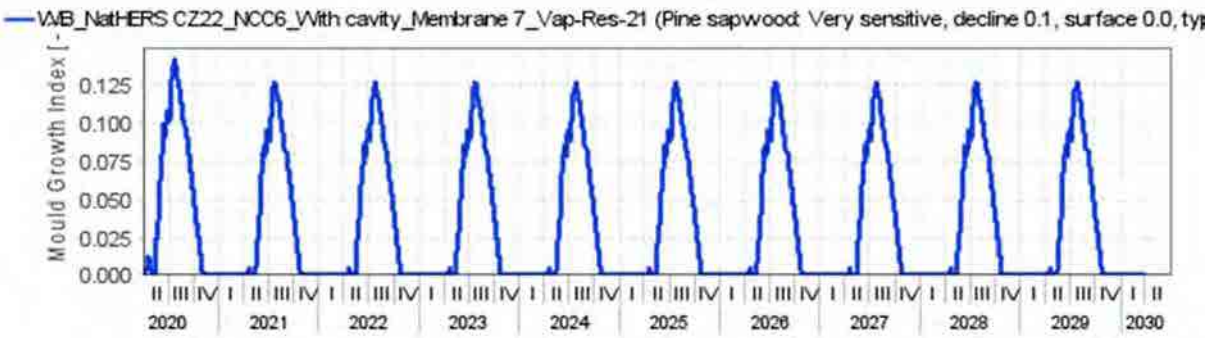

Figure 120: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

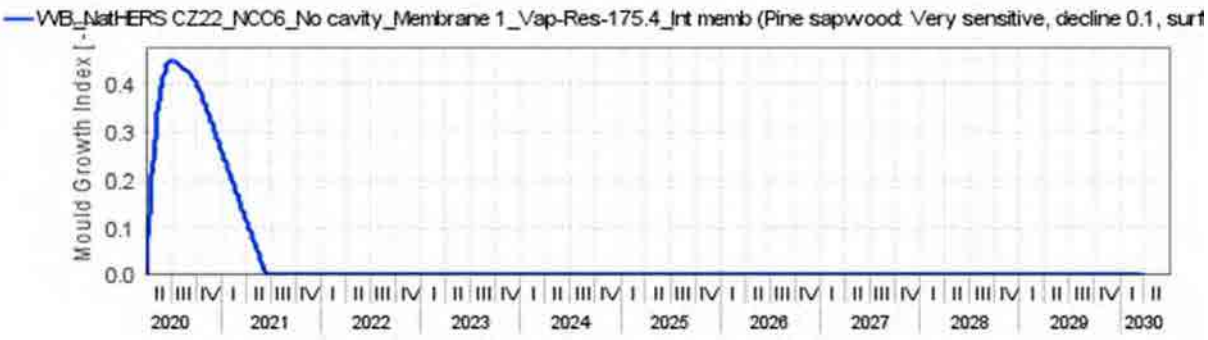

Figure 121 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

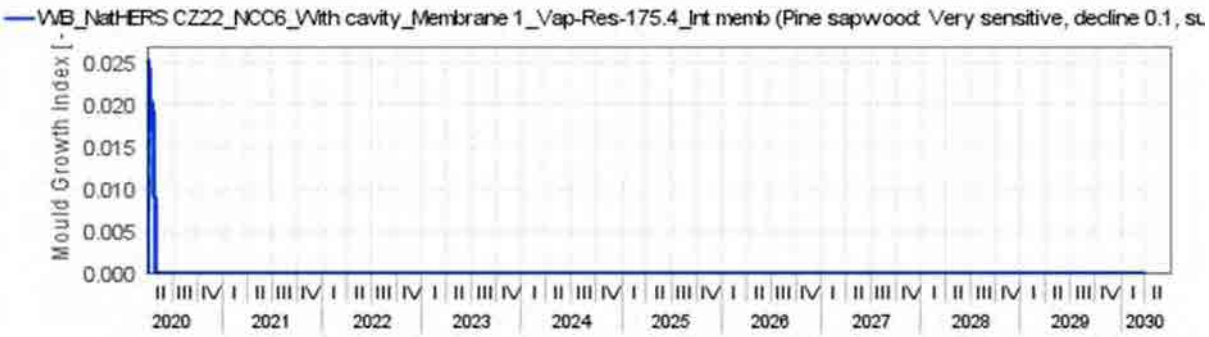

Figure 122 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

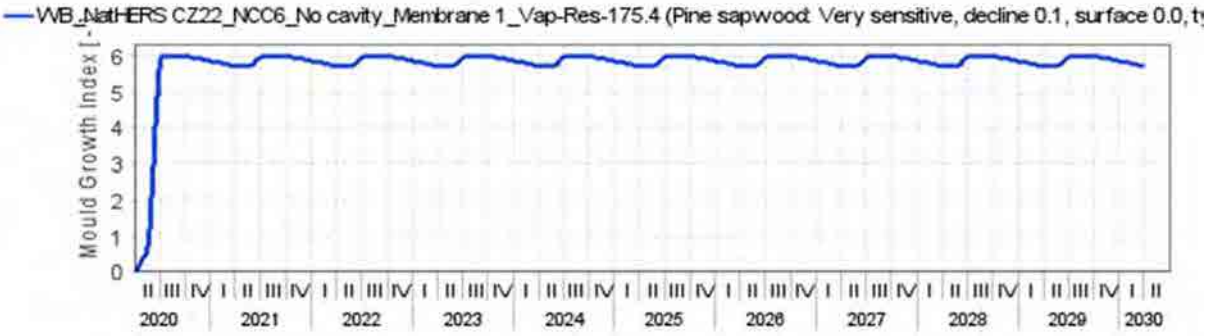

Figure 123: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – M Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

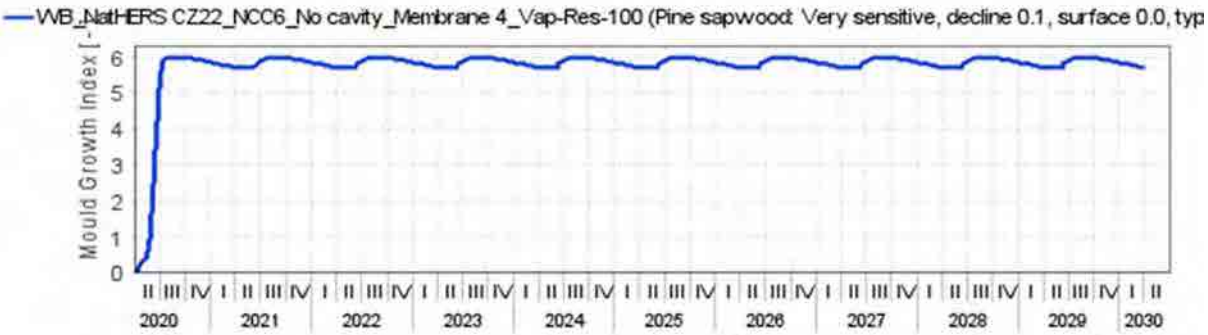

Figure 124 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

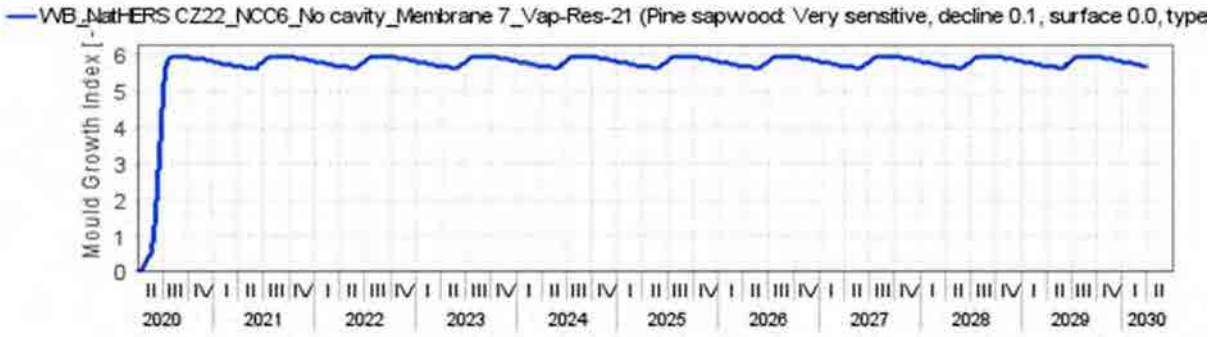

Figure 125: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 126: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

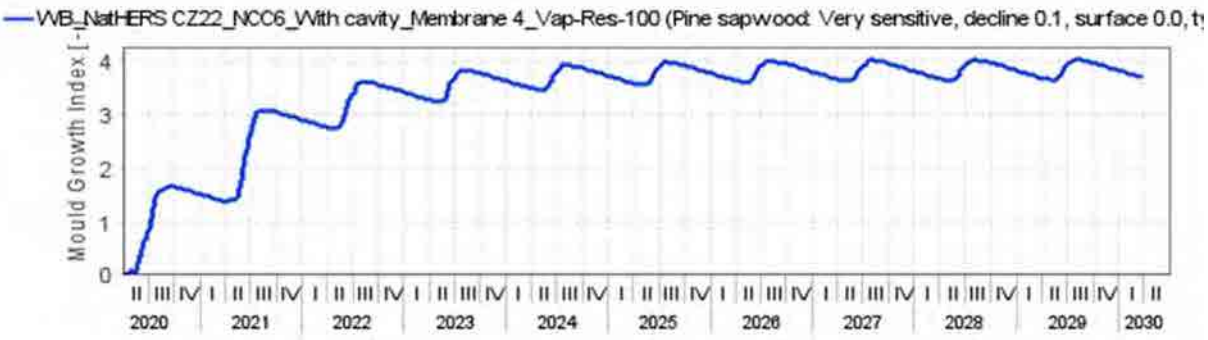

Figure 127 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

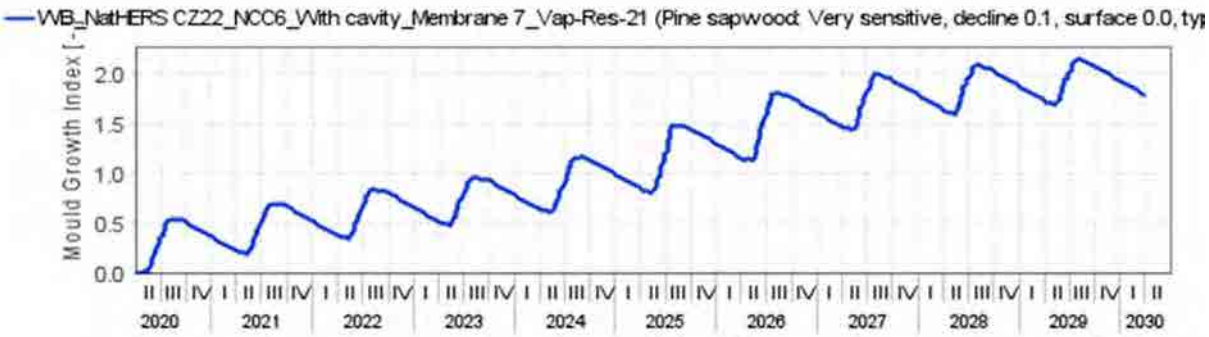

Figure 128: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

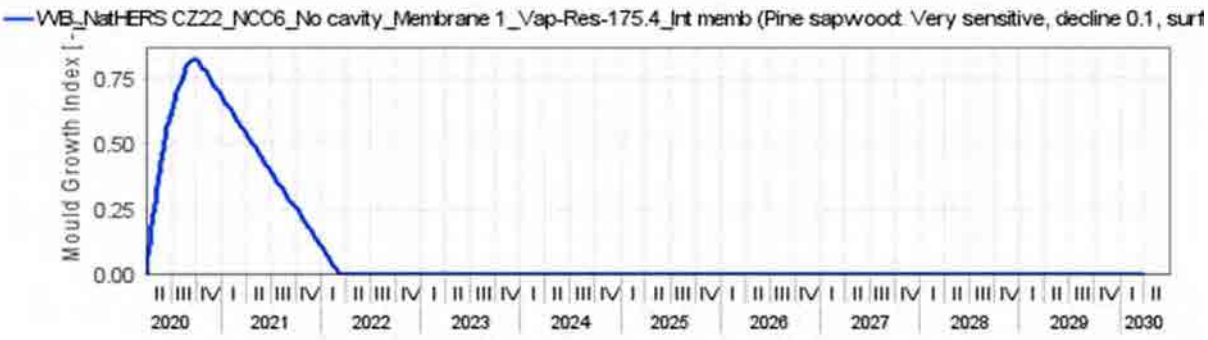

Figure 129 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

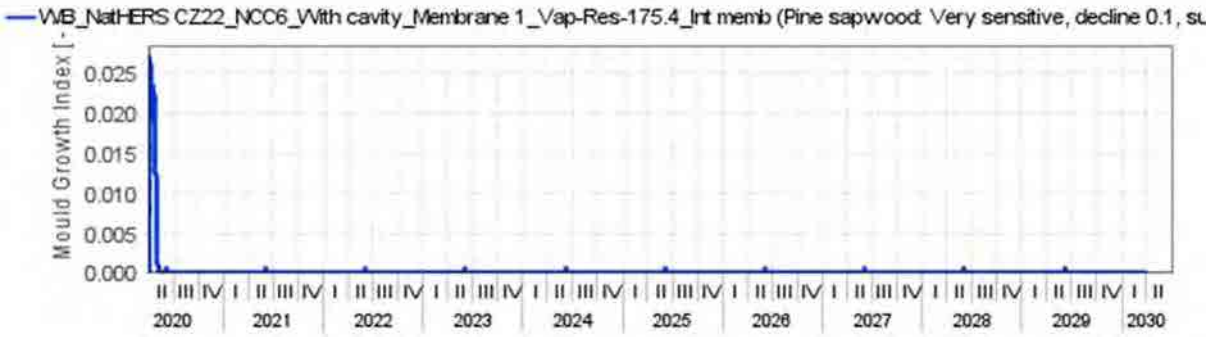

Figure 130 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

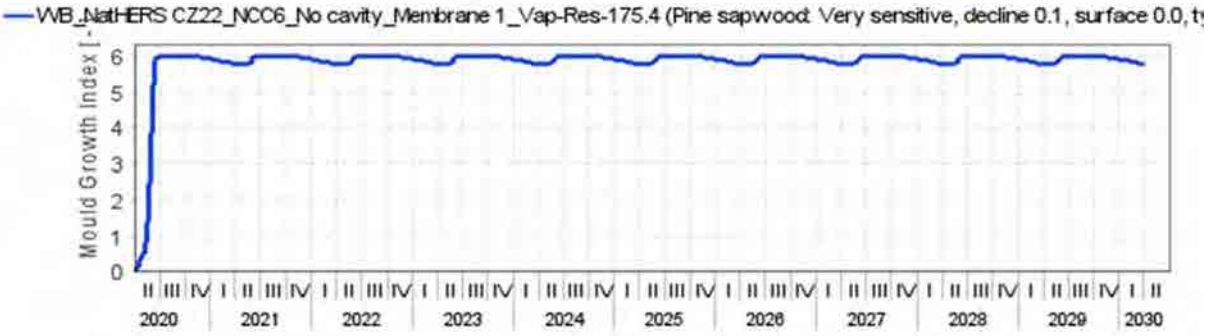

Figure 131: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

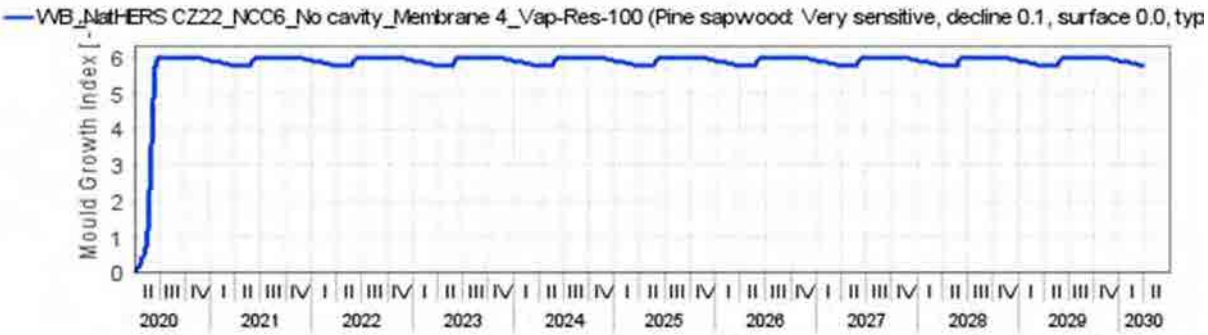

Figure 132 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

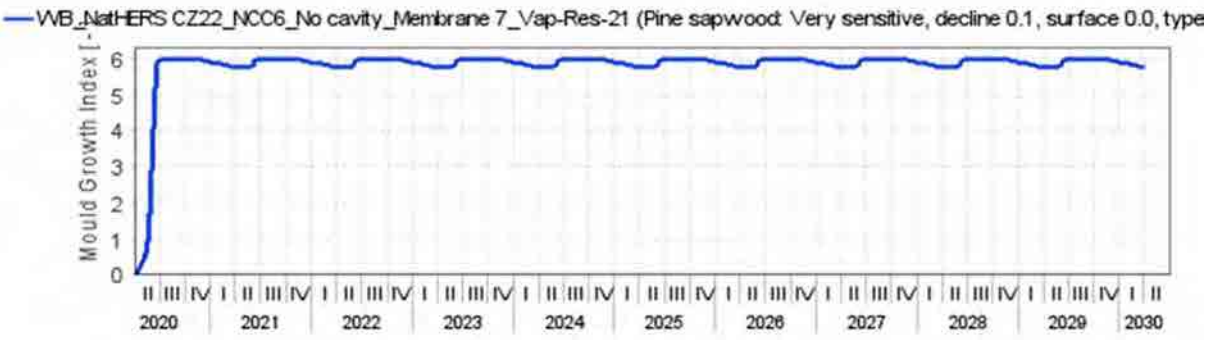

Figure 133: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

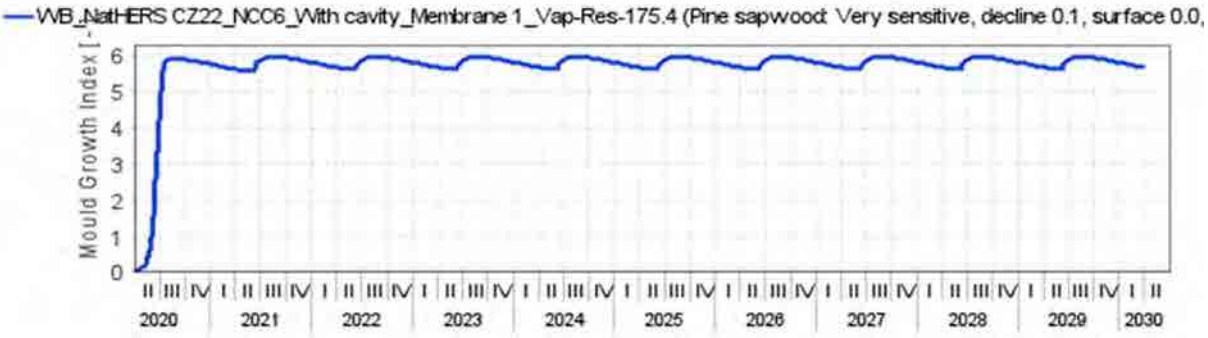

Figure 134: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

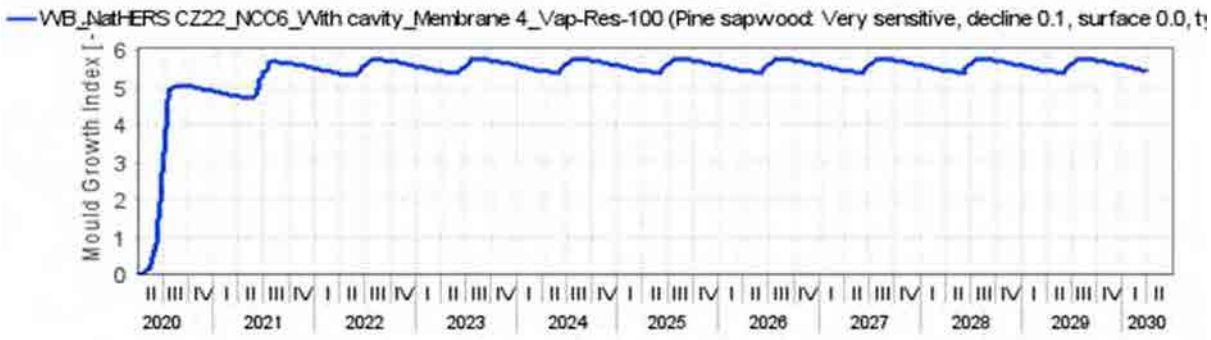

Figure 135 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

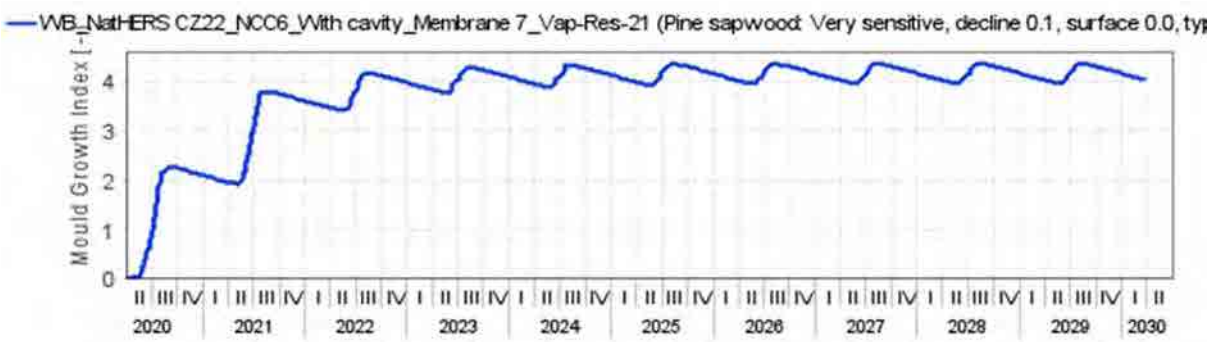

Figure 136: Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

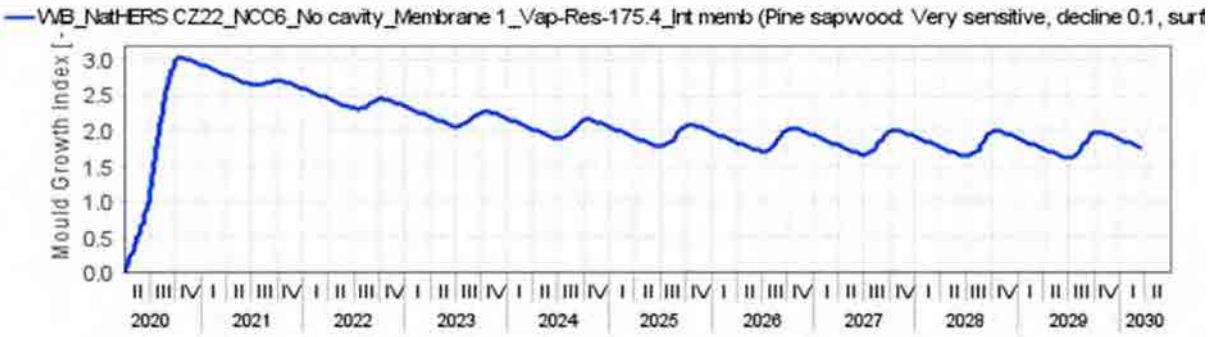

Figure 137 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

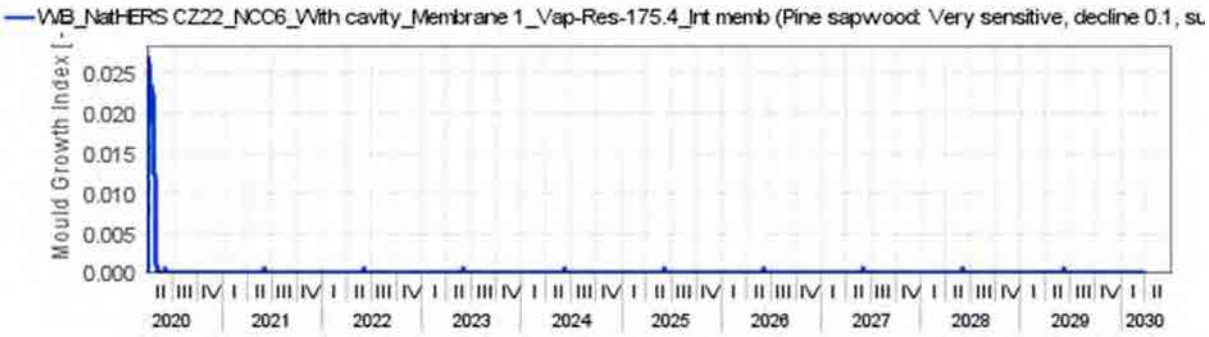

Figure 138 Timber Cladding NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

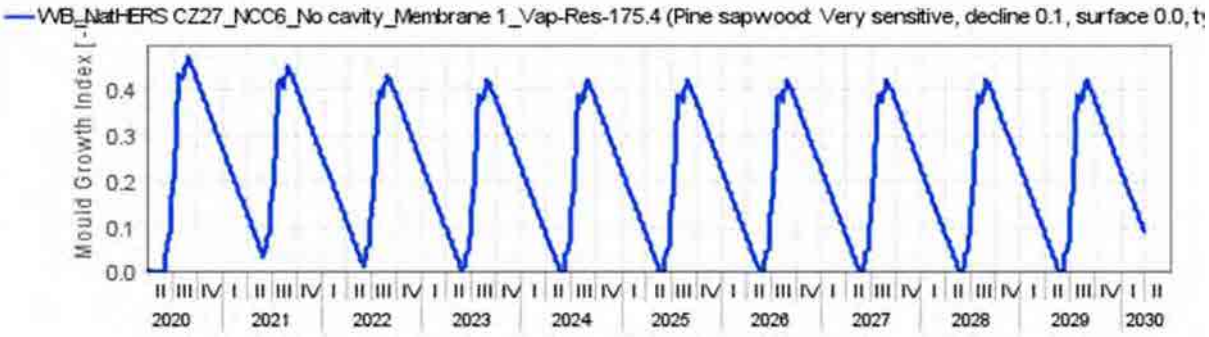

Figure 139: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

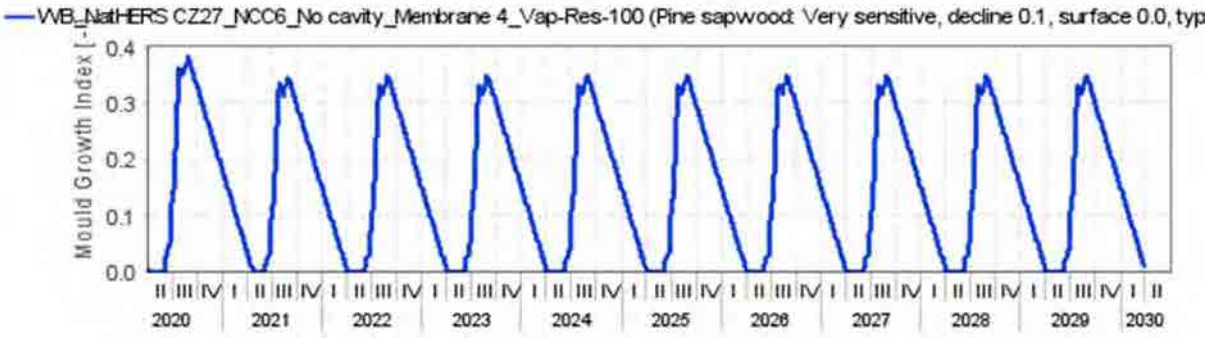

Figure 140 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

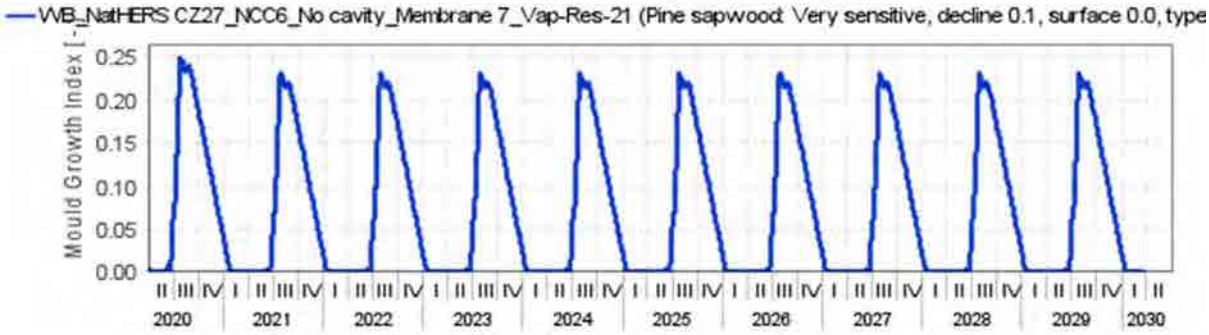

Figure 141: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

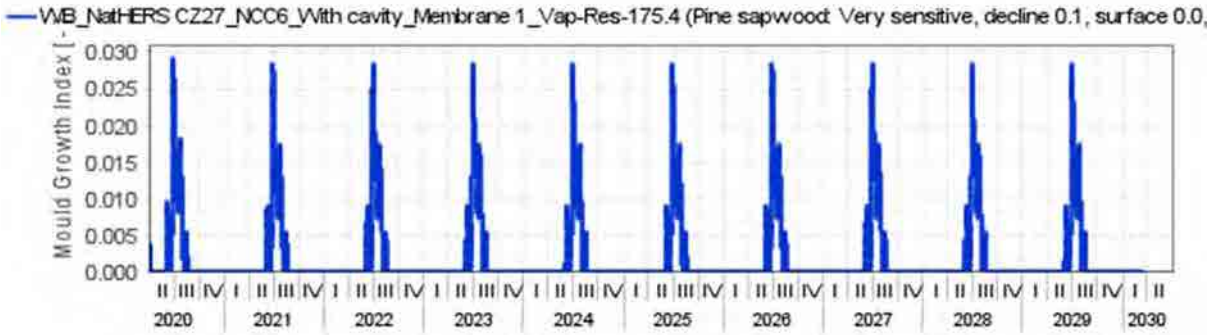

Figure 142: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

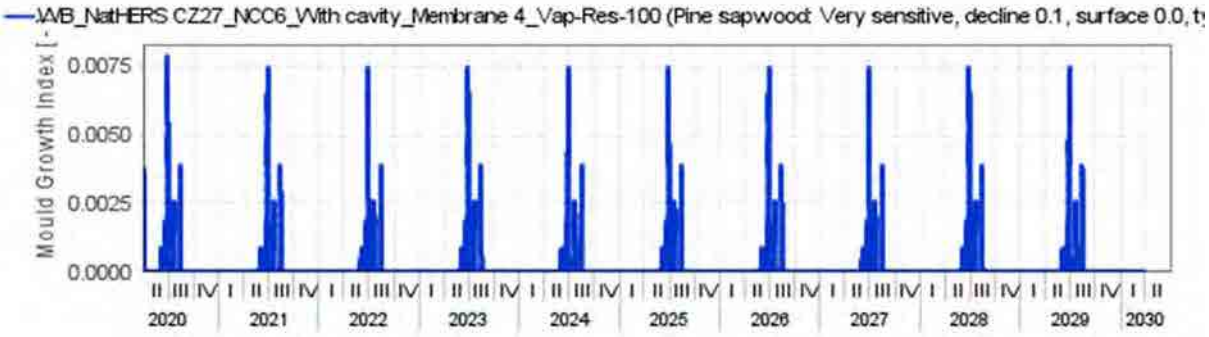

Figure 143 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

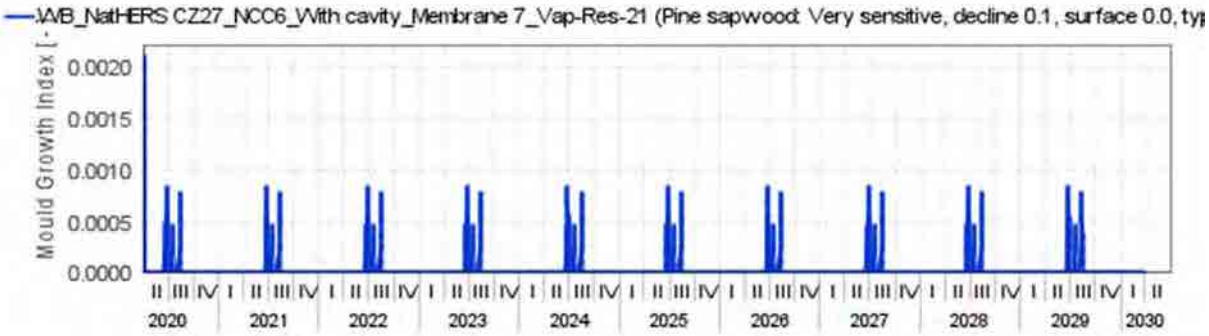

Figure 144: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

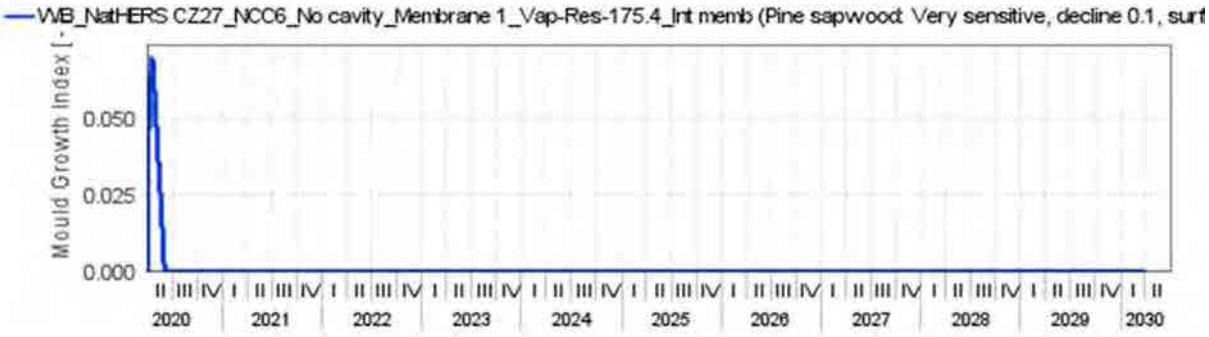

Figure 145 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

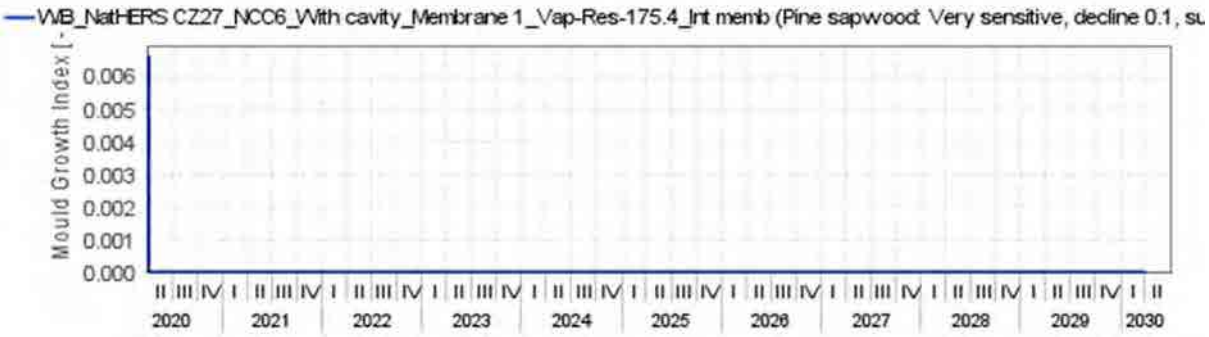

Figure 146 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

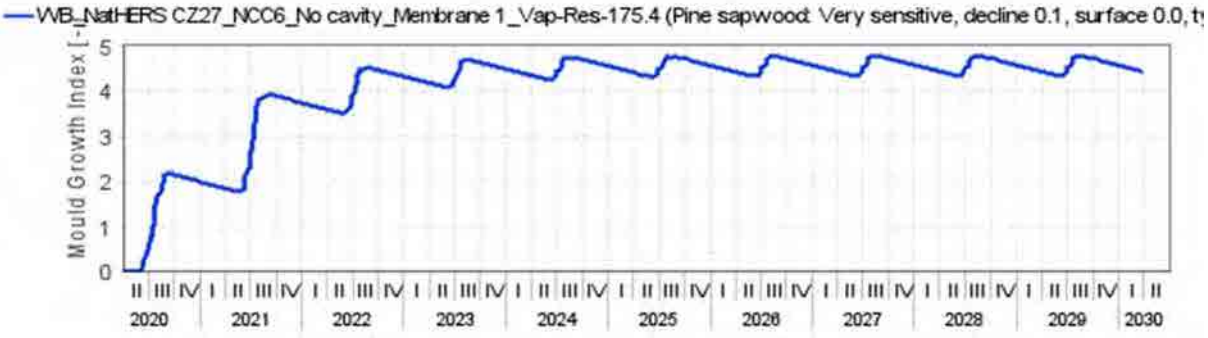

Figure 147: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 148 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

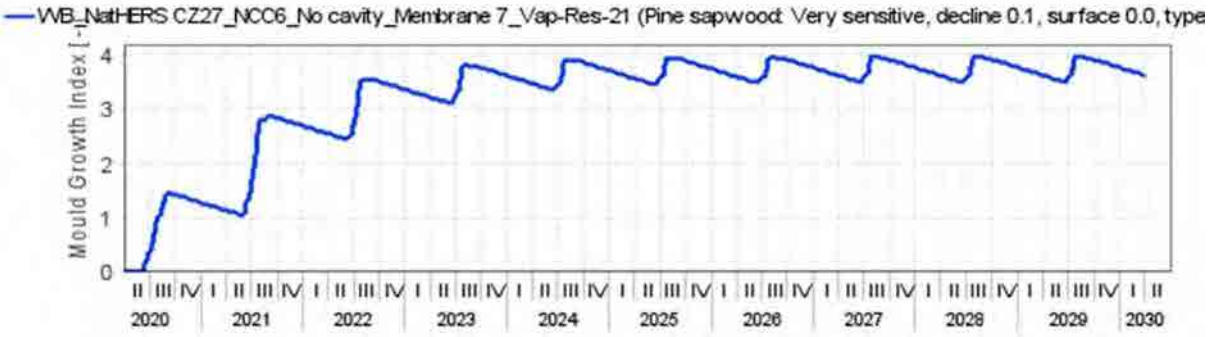

Figure 149: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

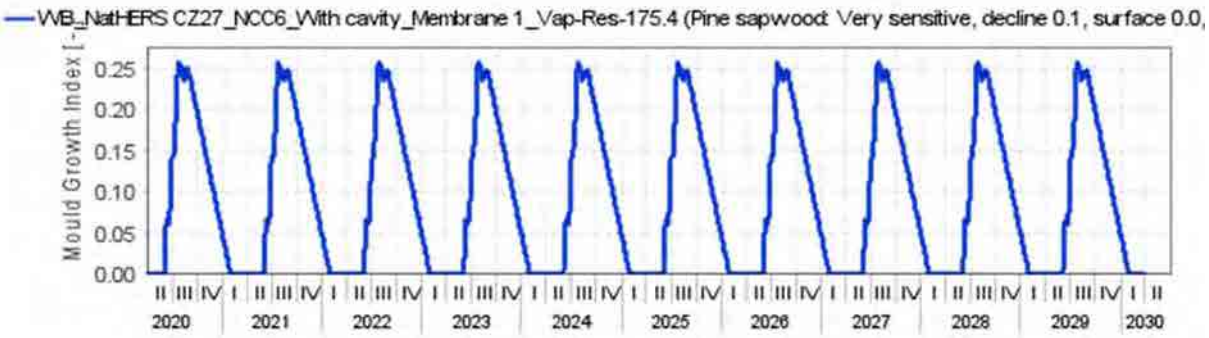

Figure 150: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

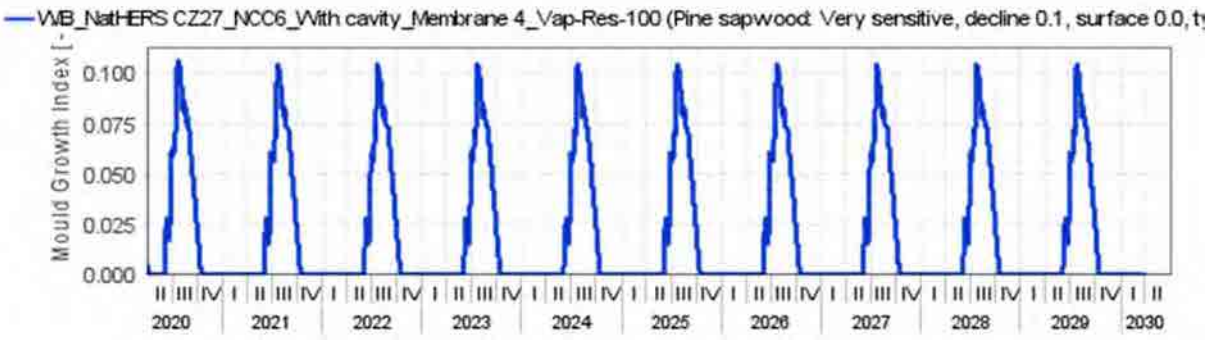

Figure 151 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

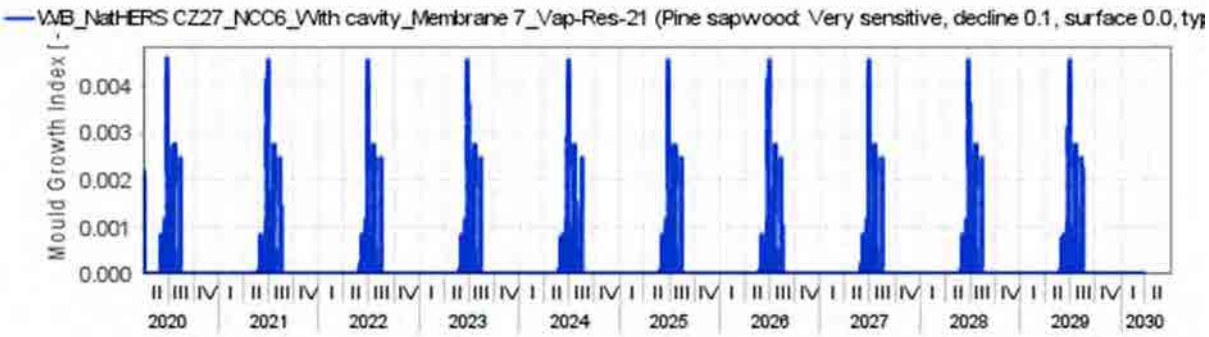

Figure 152: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

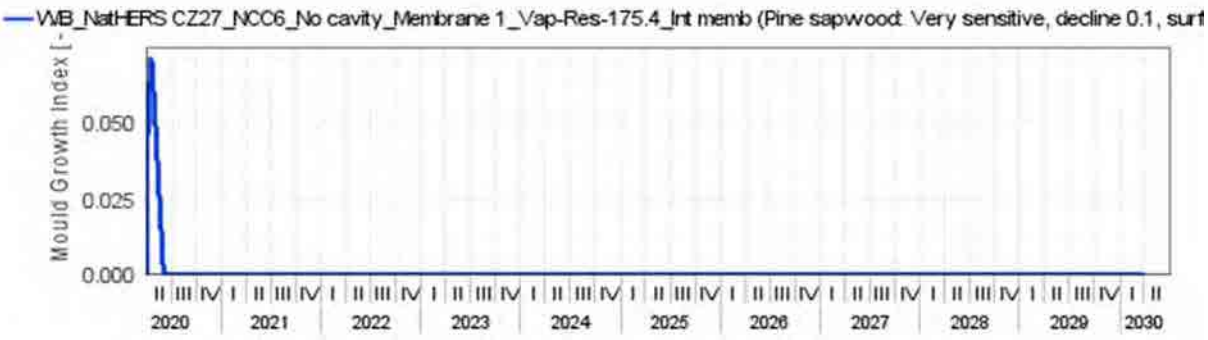

Figure 153 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

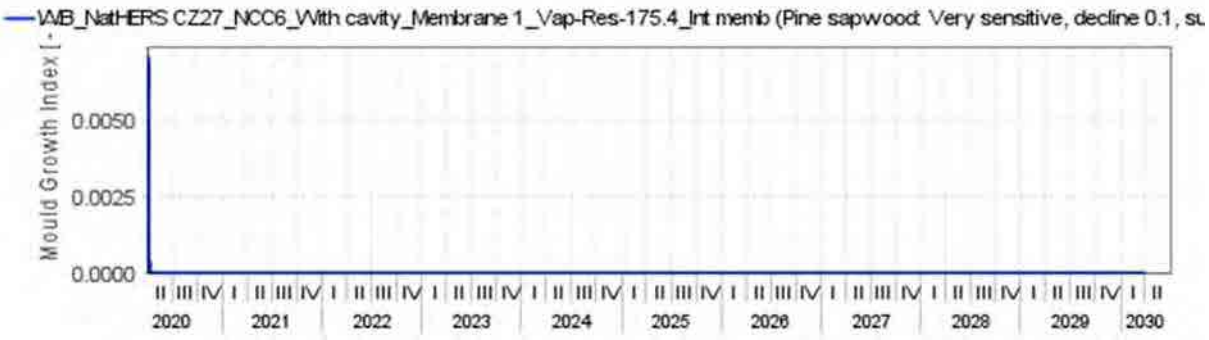

Figure 154 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

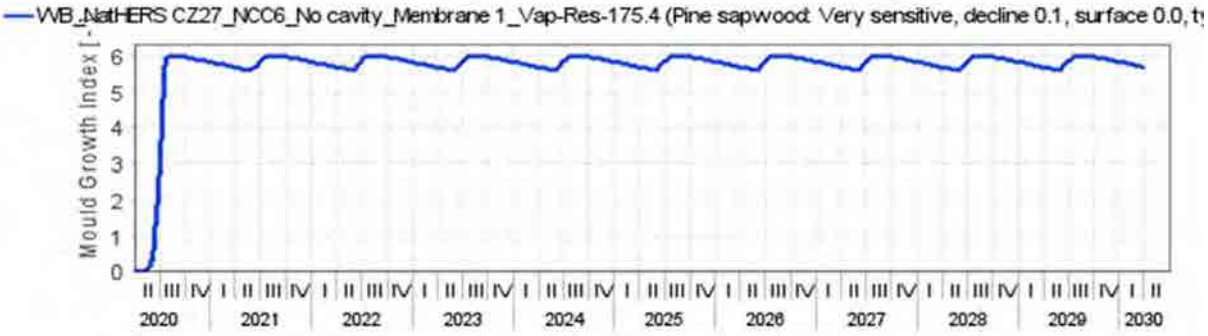

Figure 155: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

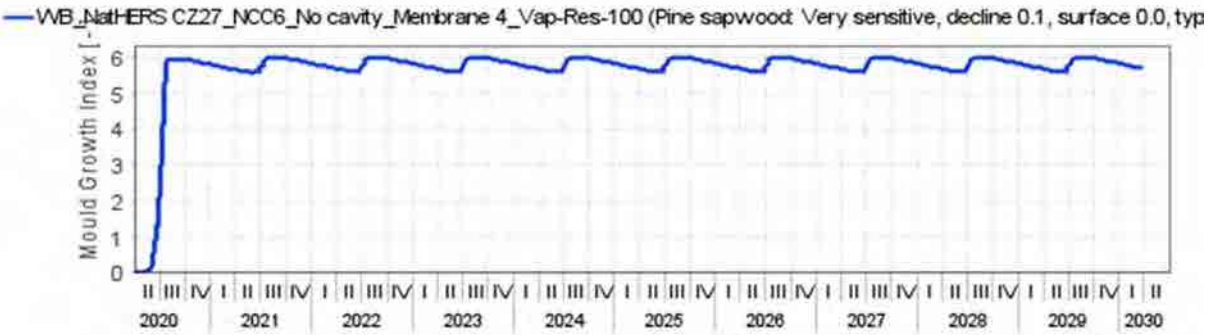

Figure 156 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

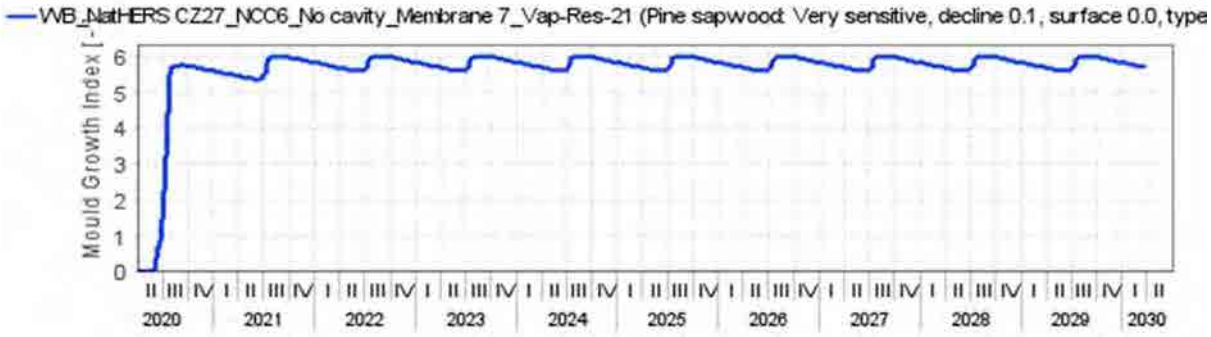

Figure 157: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 158: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

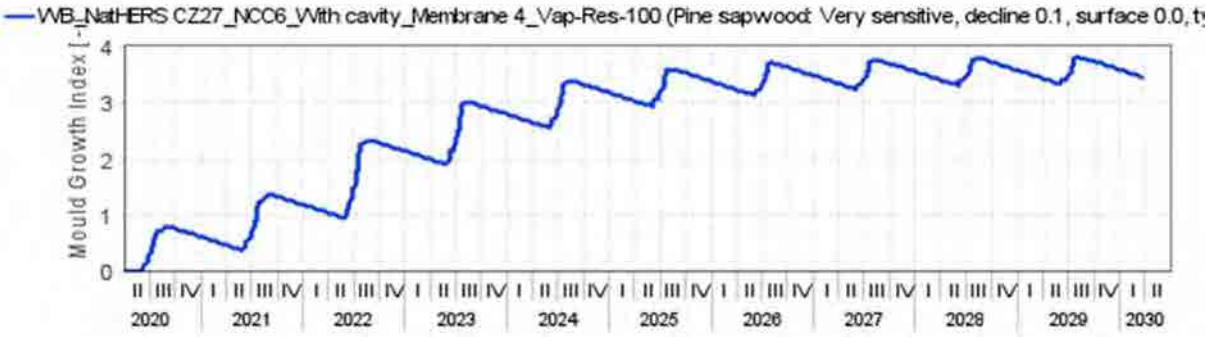

Figure 159 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

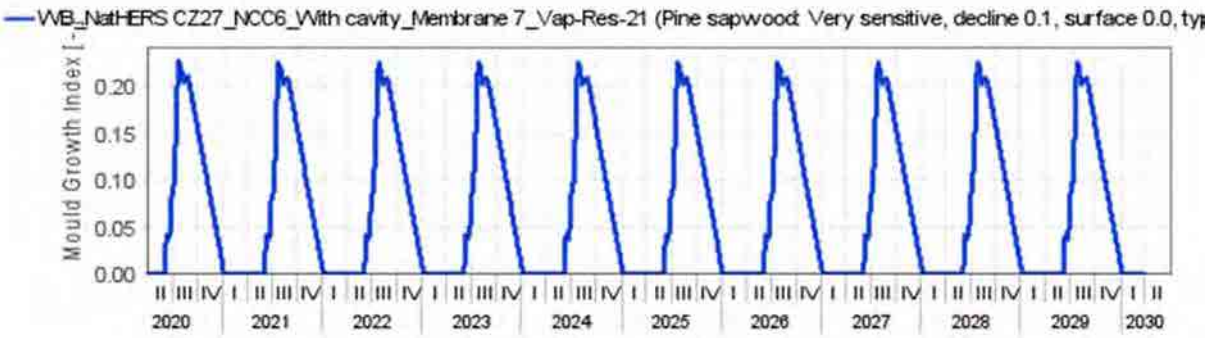

Figure 160: Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

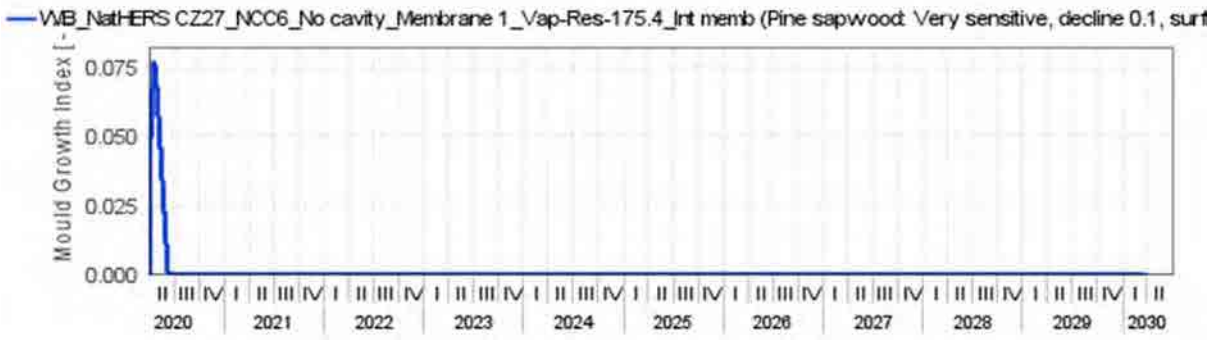

Figure 161 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

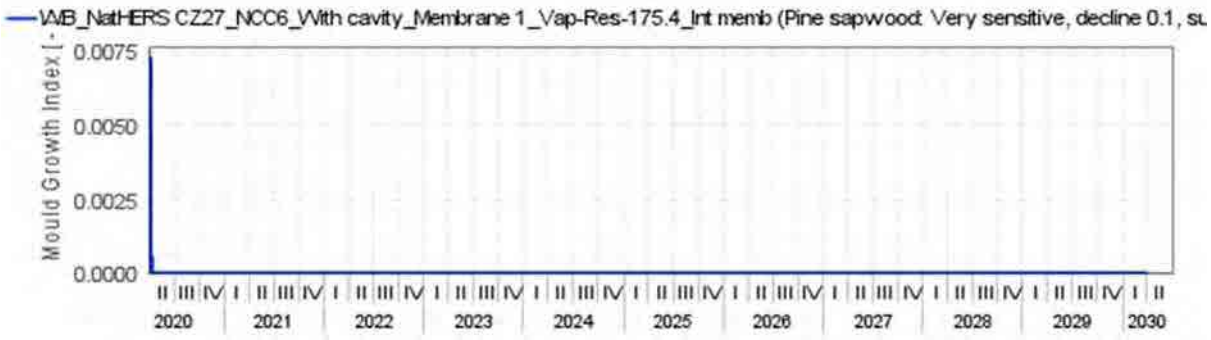

Figure 162 Timber Cladding NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

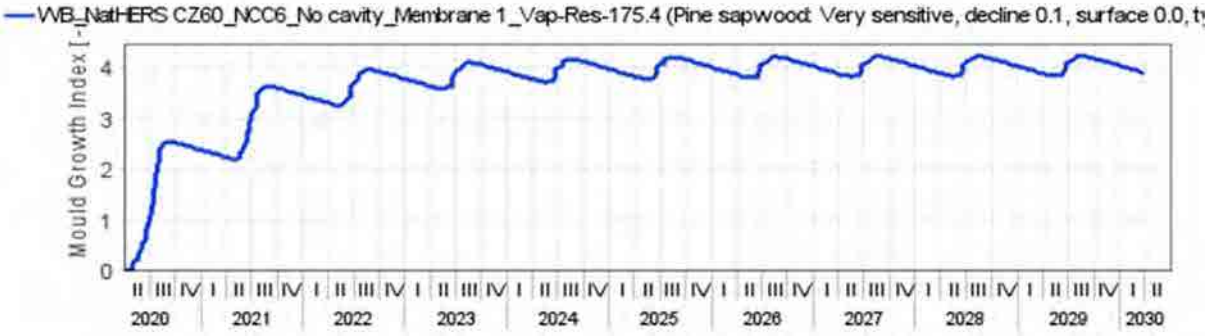

Figure 163: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

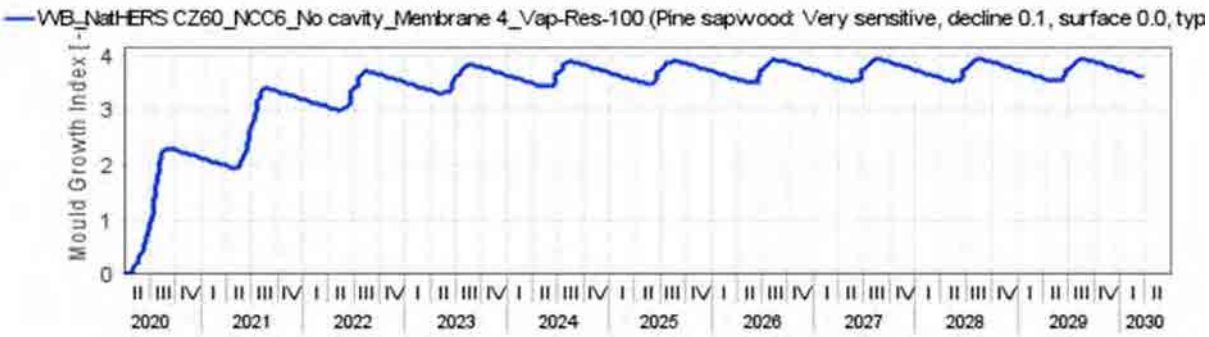

Figure 164 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

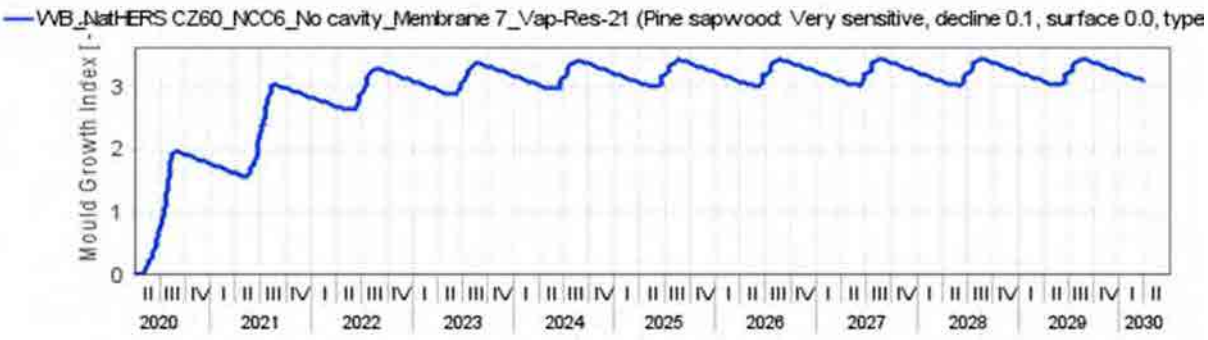

Figure 165: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

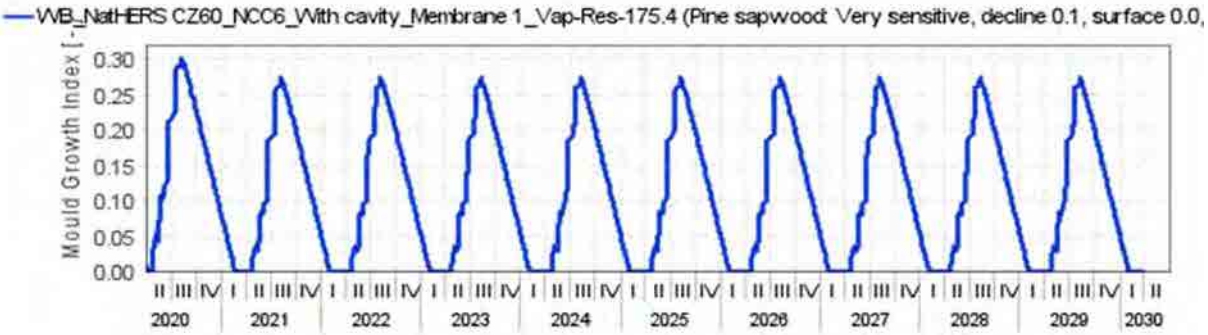

Figure 166: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

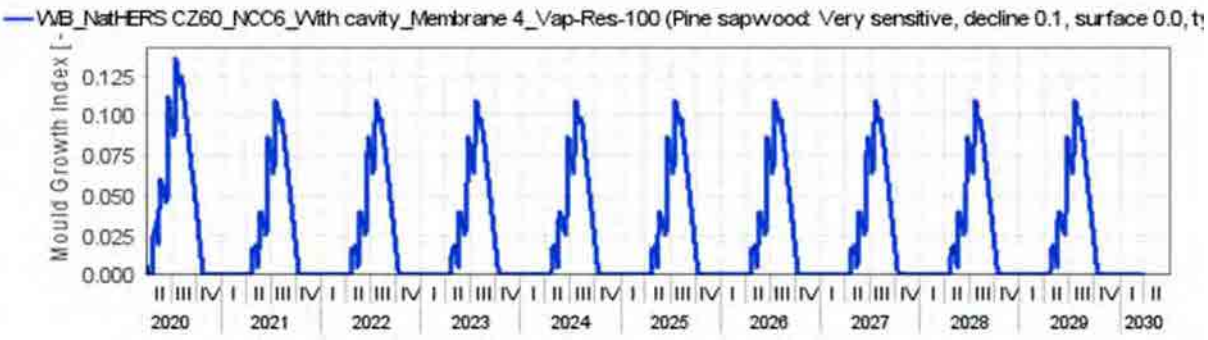

Figure 167 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

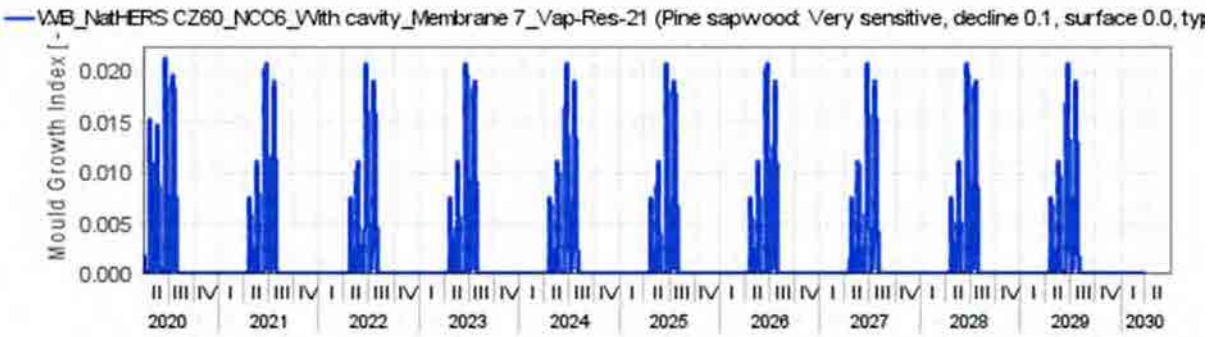

Figure 168: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

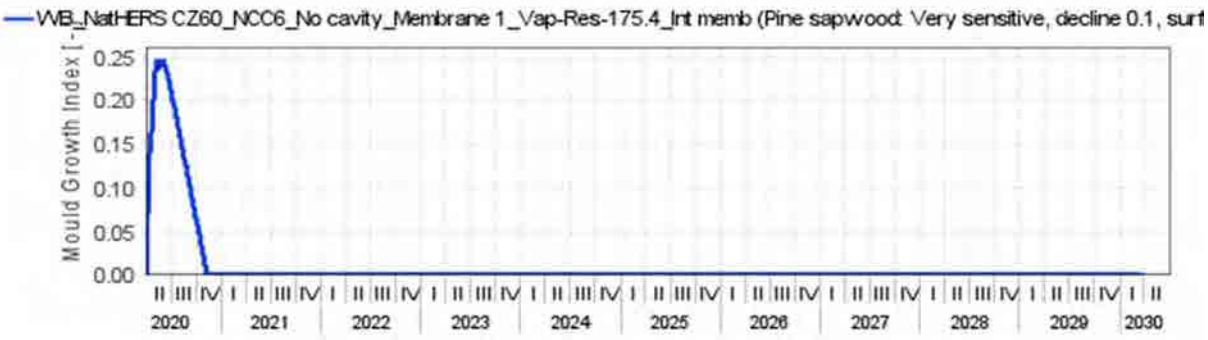

Figure 169 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

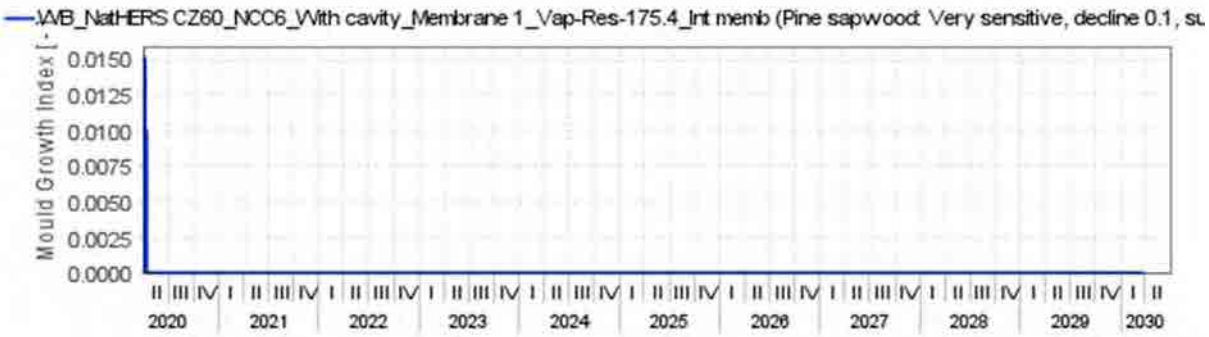

Figure 170 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

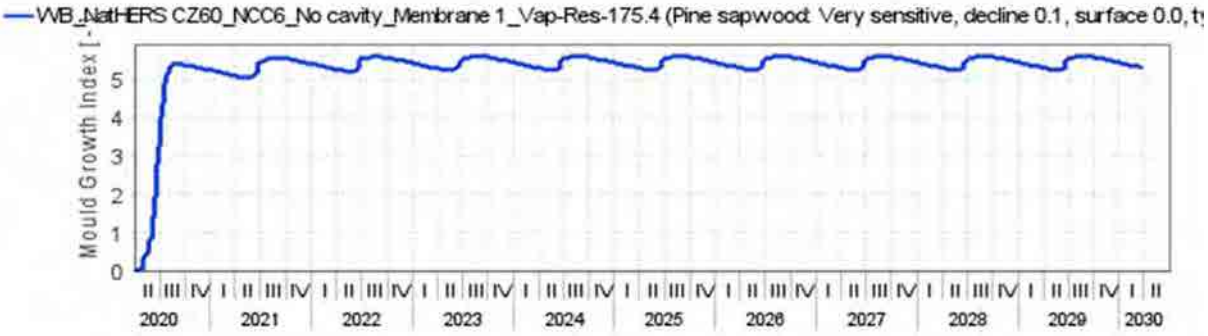

Figure 171: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

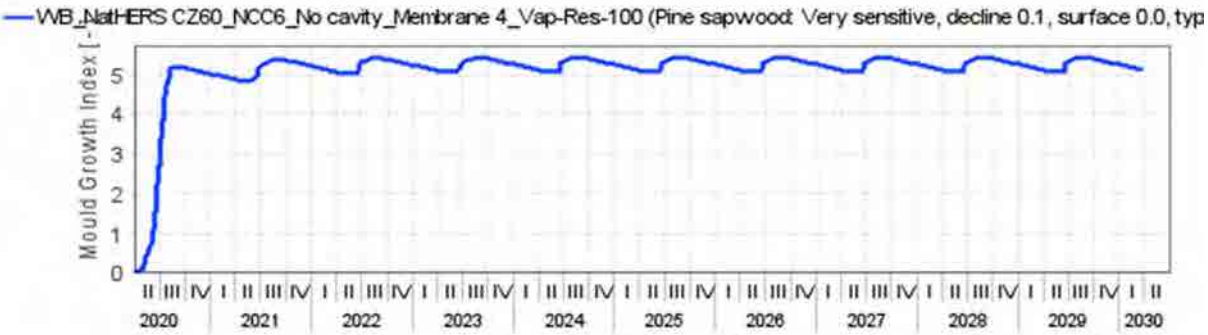

Figure 172 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

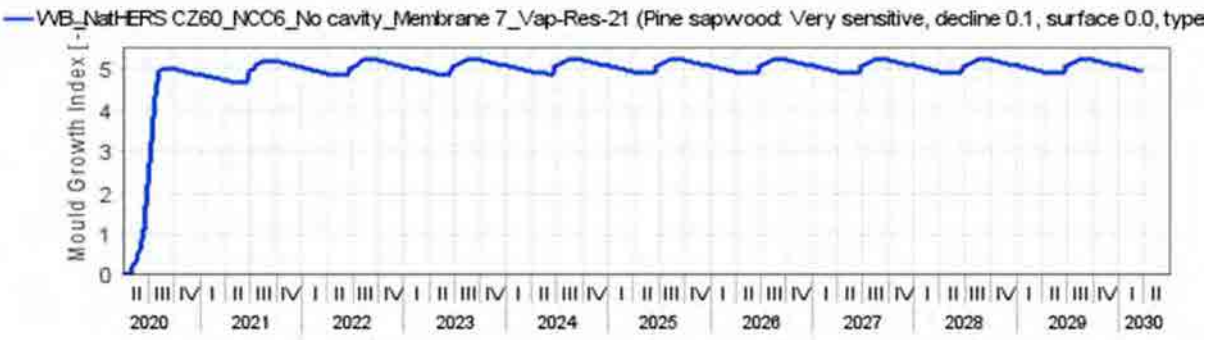

Figure 173: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

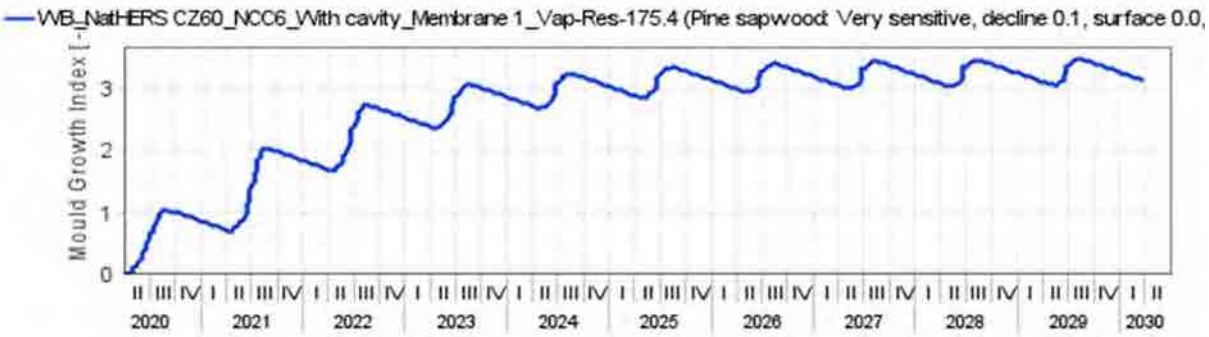

Figure 174: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

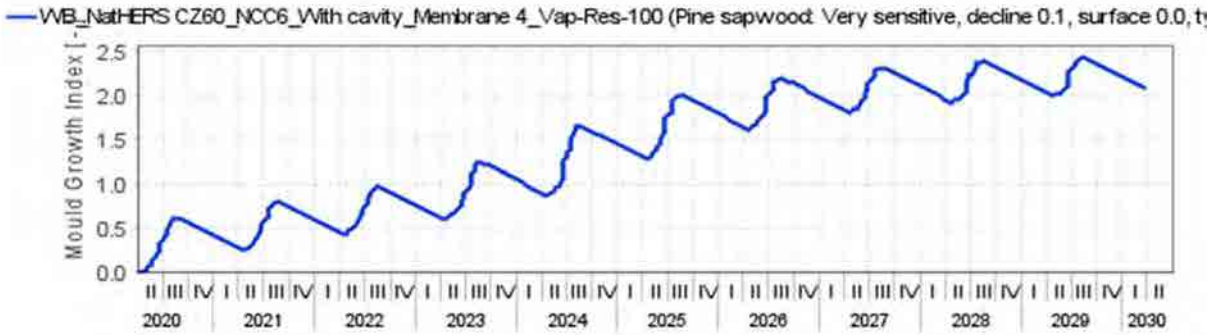

Figure 175 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

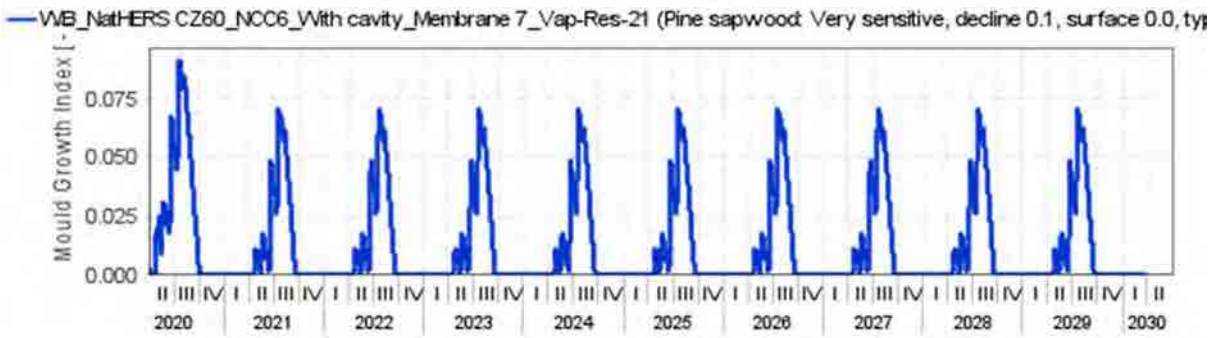

Figure 176: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

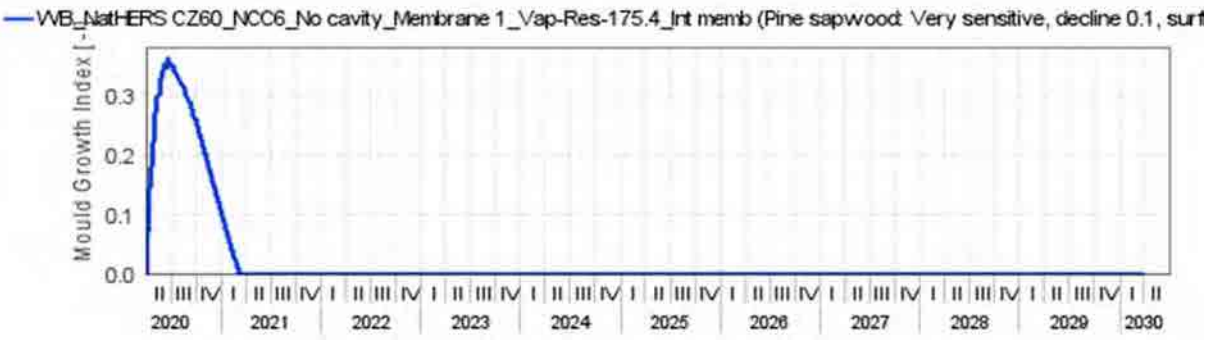

Figure 177 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

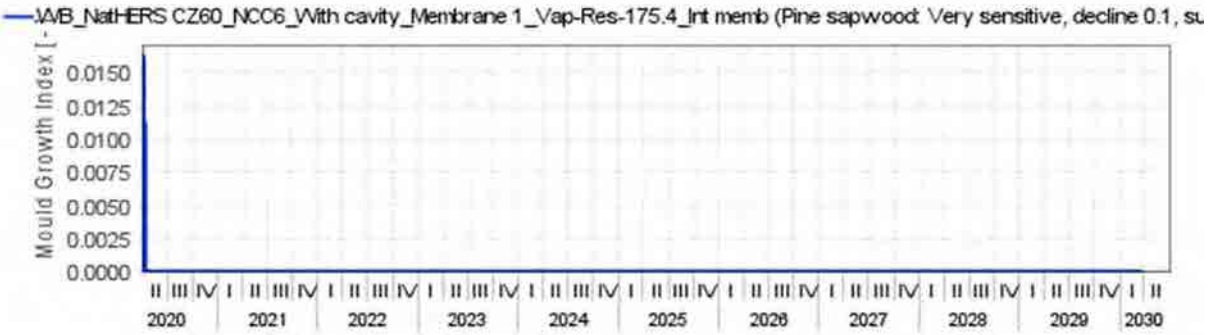

Figure 178 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

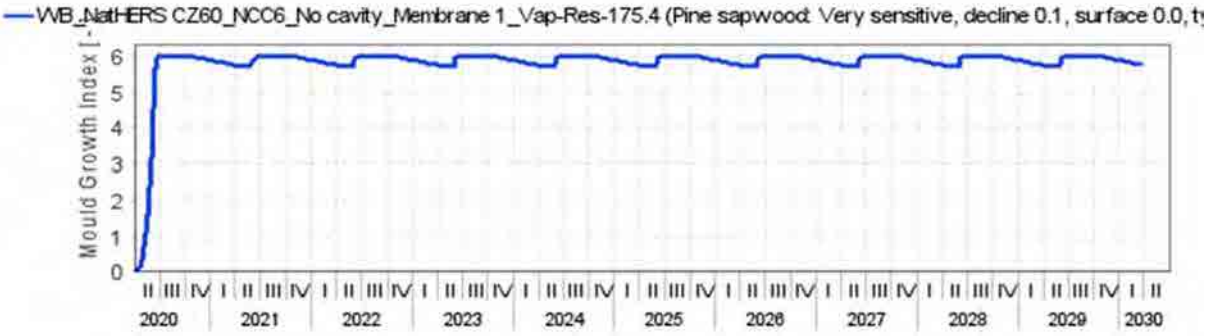

Figure 179: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

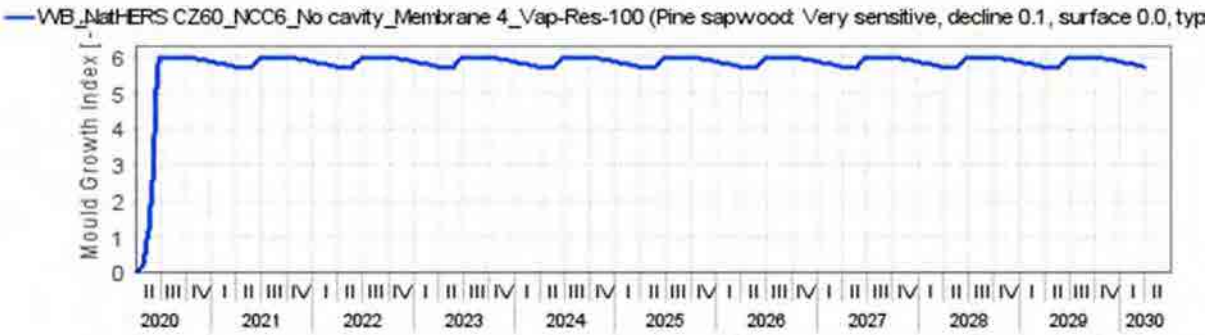

Figure 180 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

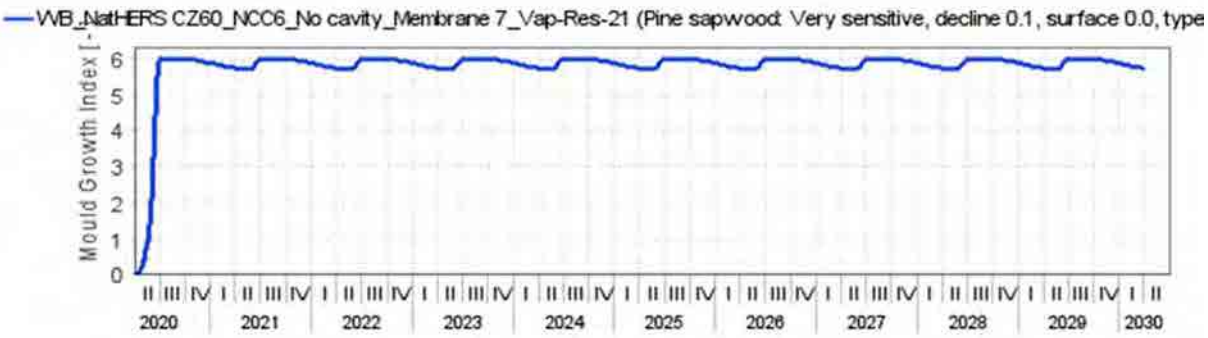

Figure 181: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 182: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

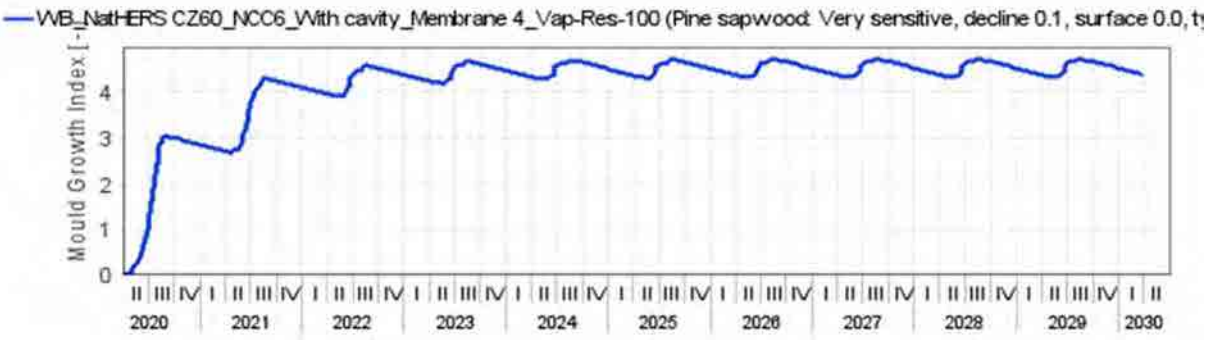

Figure 183 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

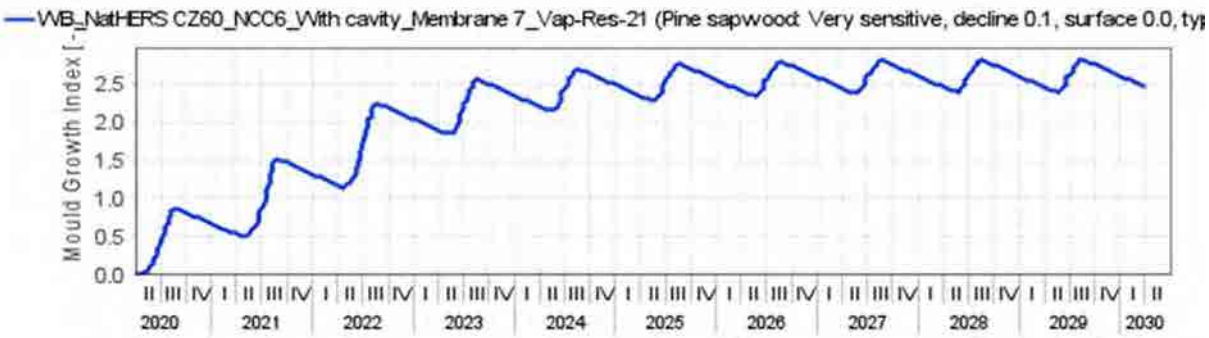

Figure 184: Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

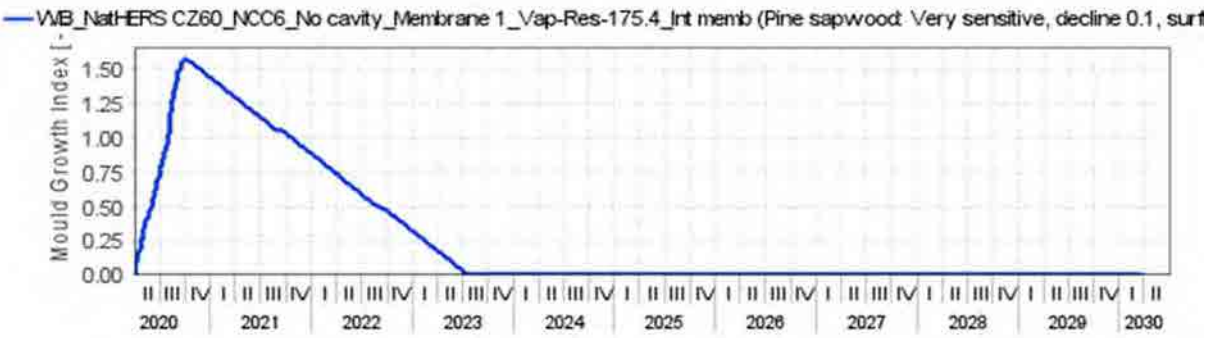

Figure 185 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

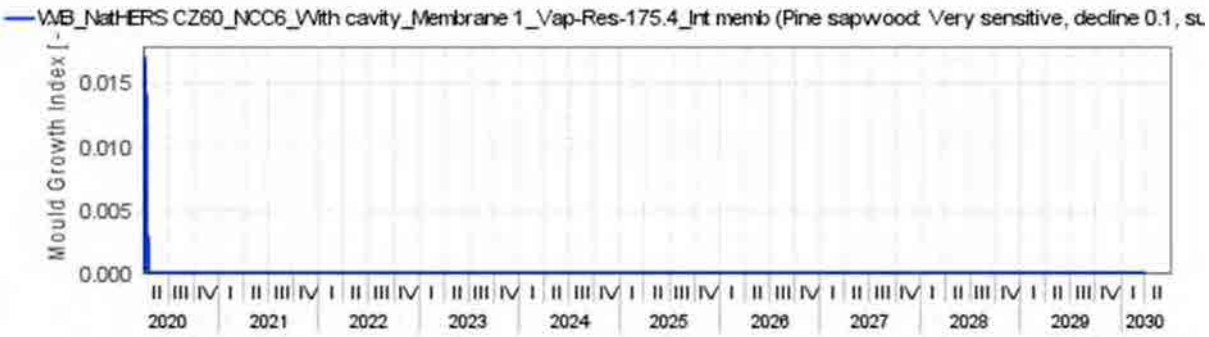

Figure 186 Timber Cladding NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

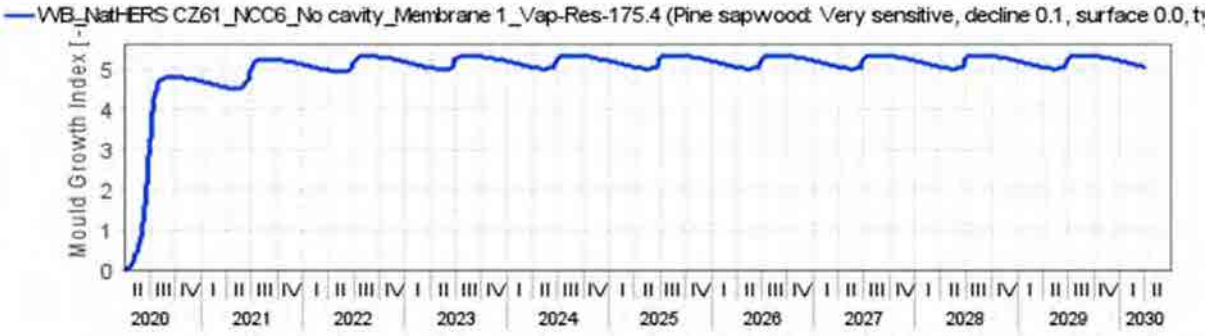

Figure 187: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

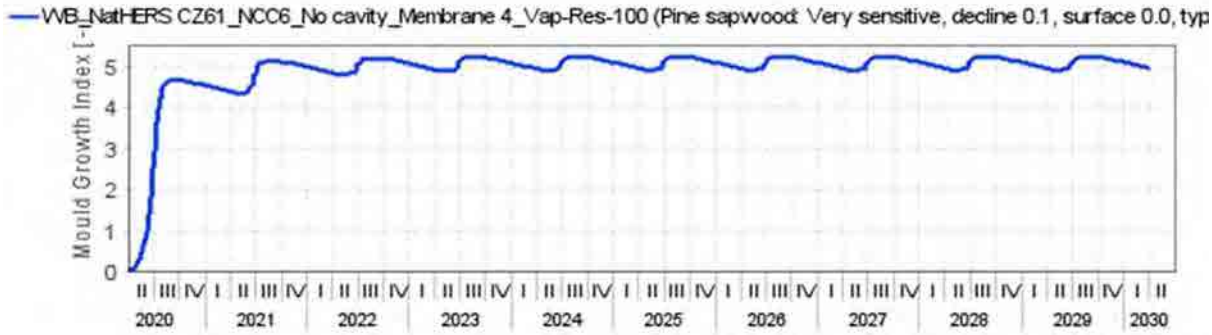

Figure 188 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

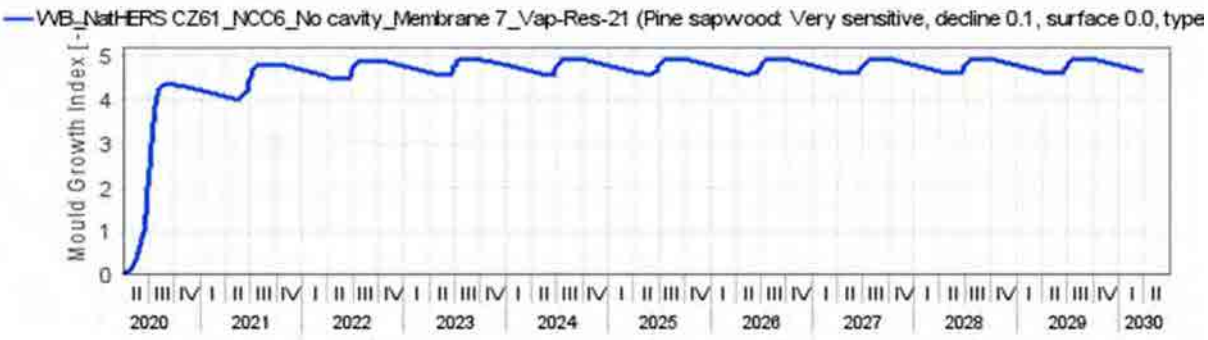

Figure 189: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

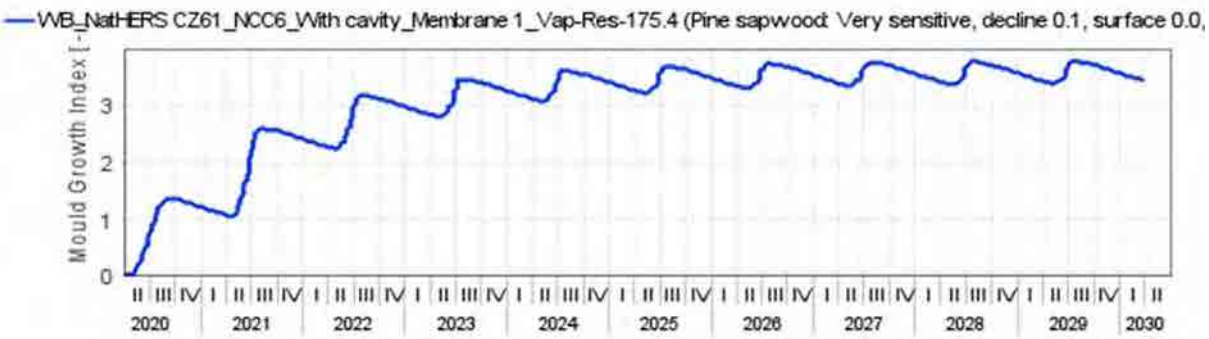

Figure 190: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

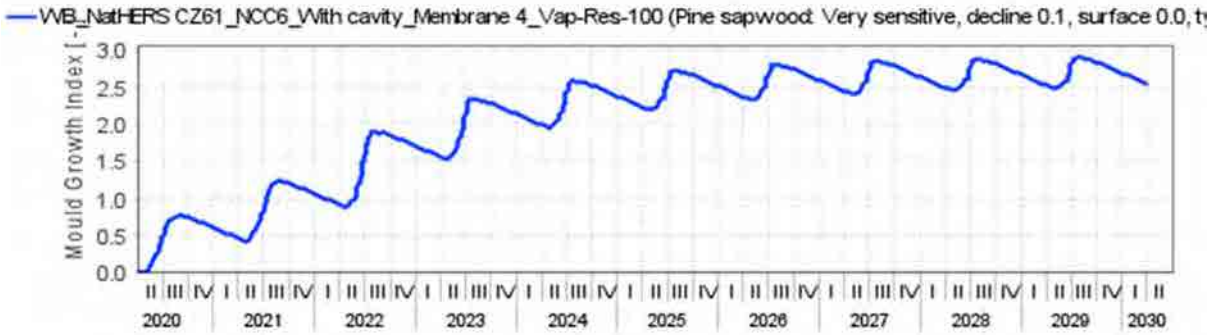

Figure 191 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

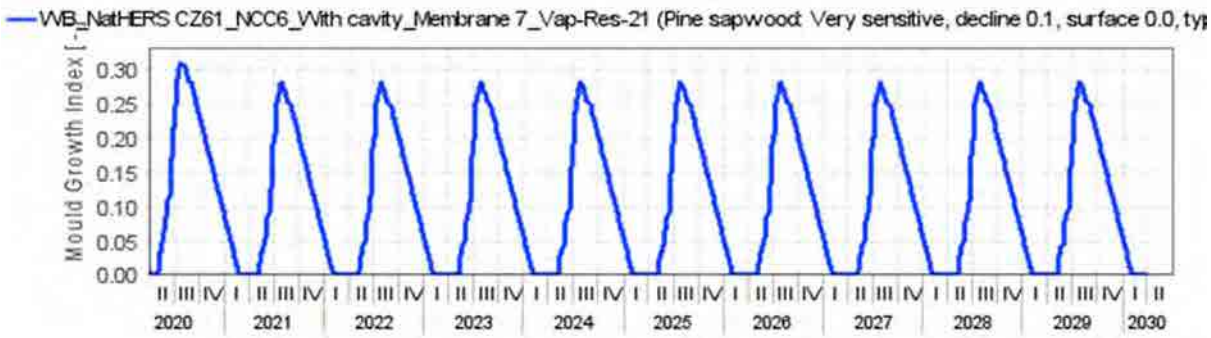

Figure 192: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

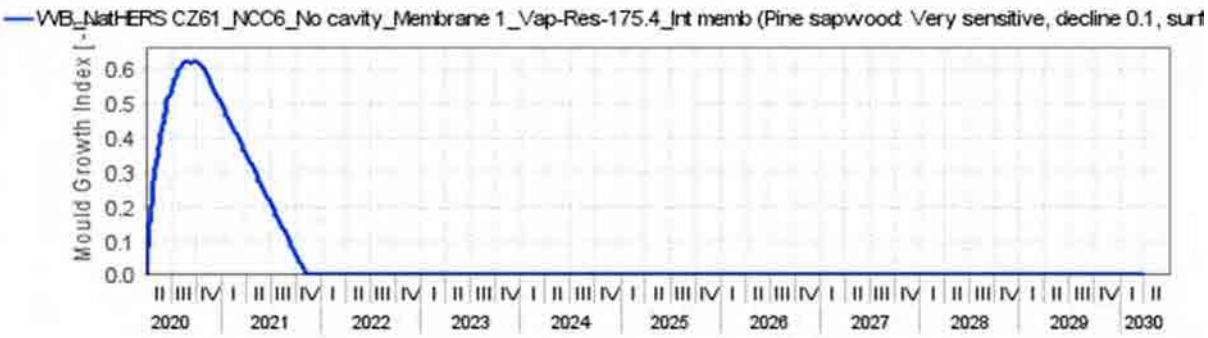

Figure 193 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

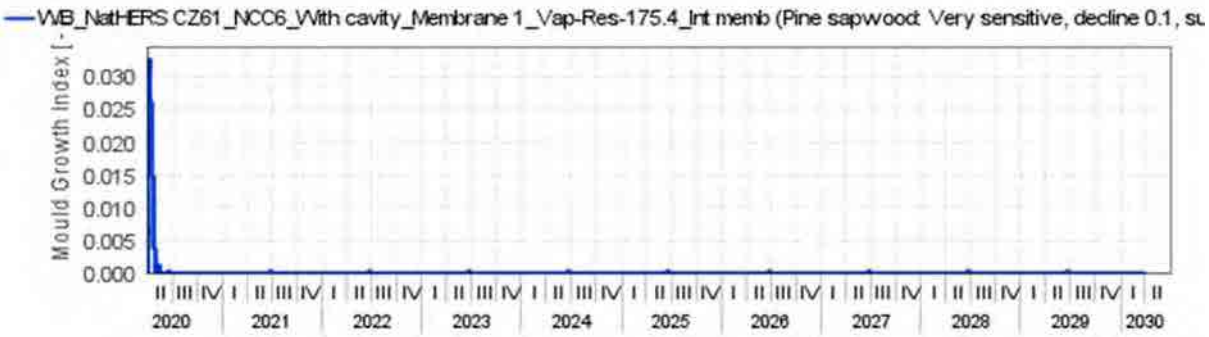

Figure 194 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

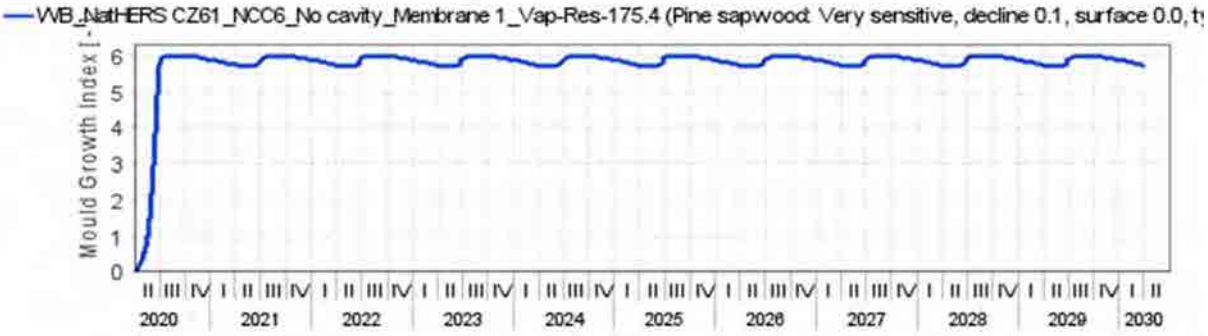

Figure 195: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

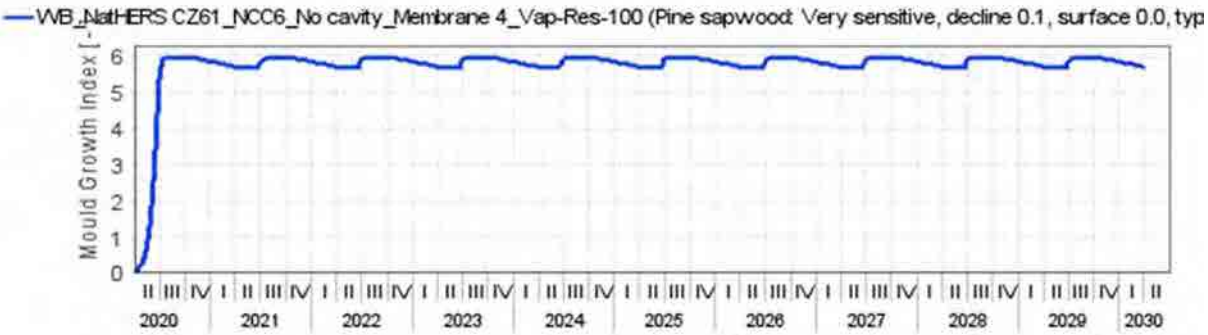

Figure 196 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

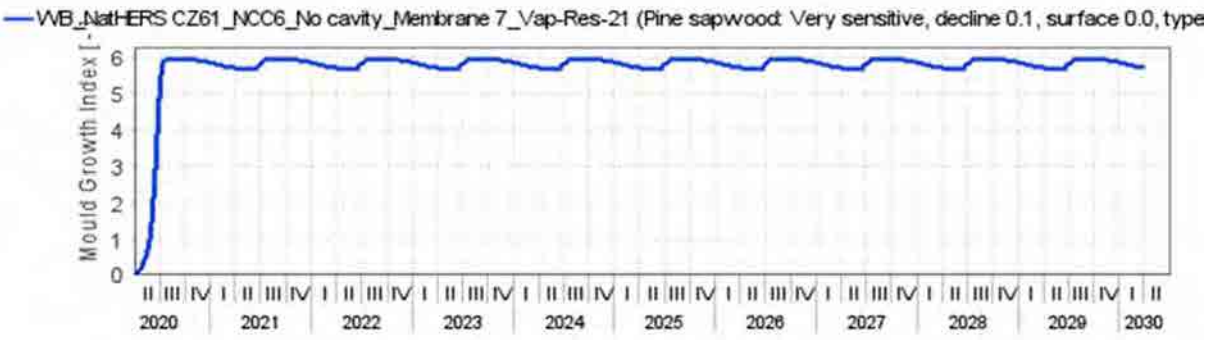

Figure 197: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 198: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 199 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

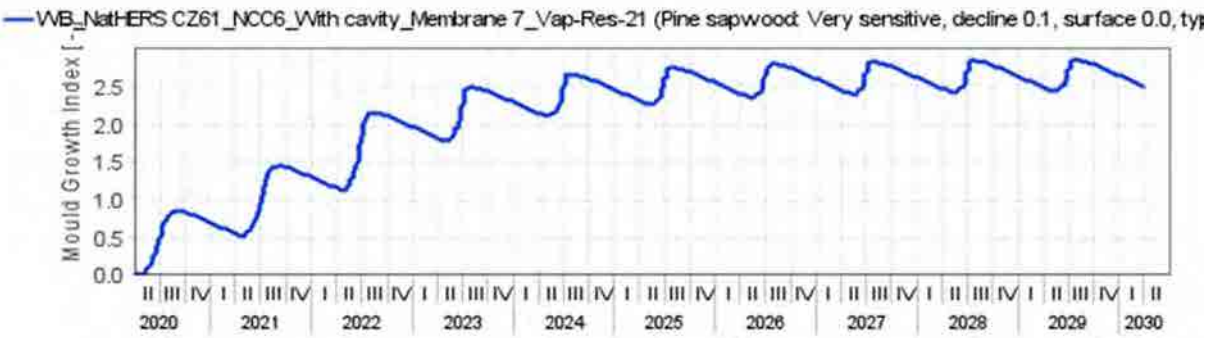

Figure 200: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

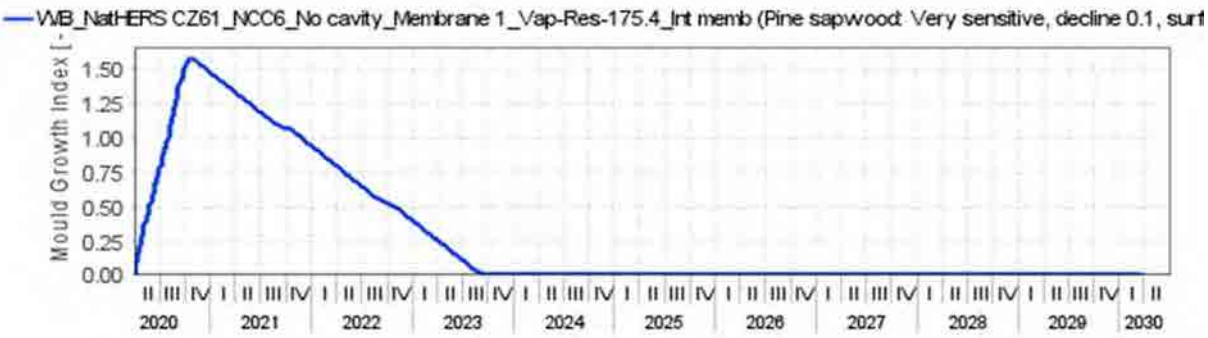

Figure 201 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

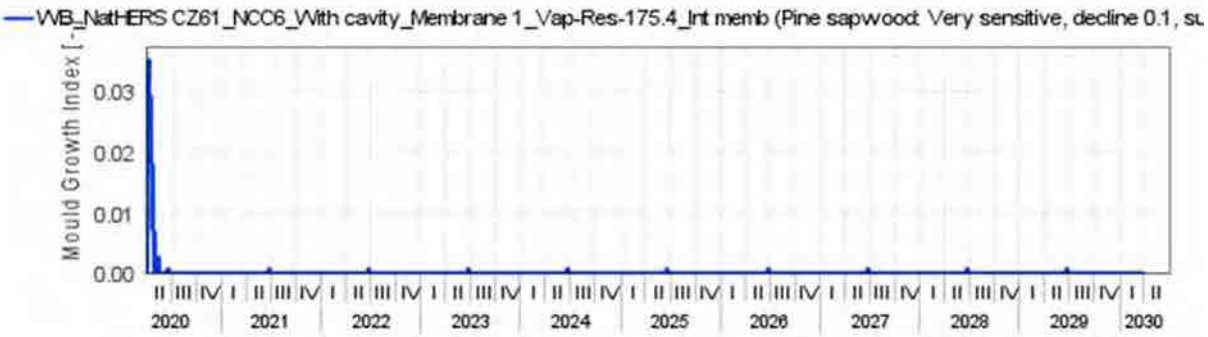

Figure 202 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

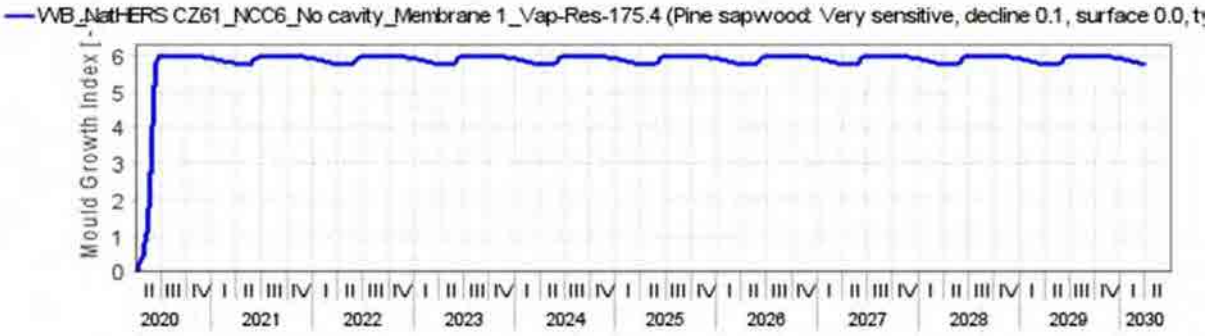

Figure 203: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

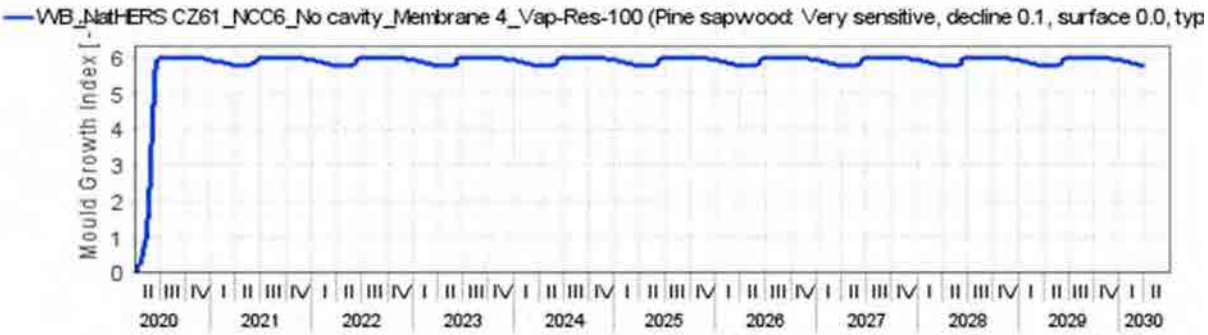

Figure 204 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

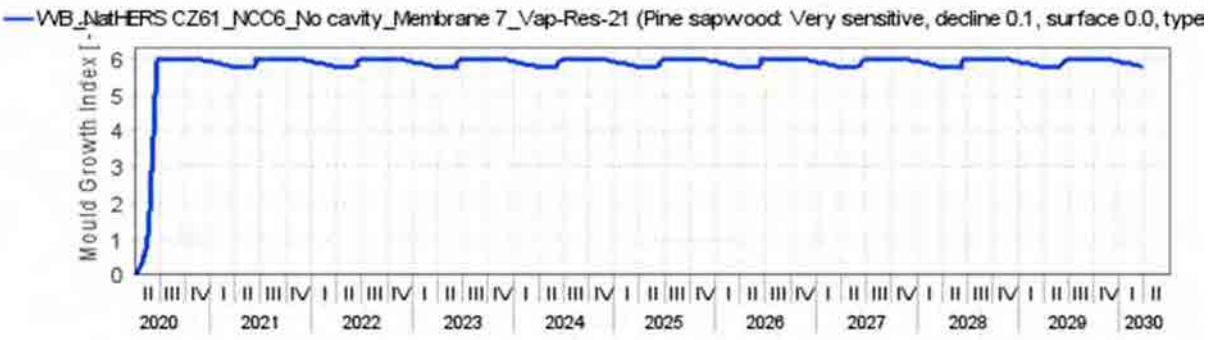

Figure 205: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

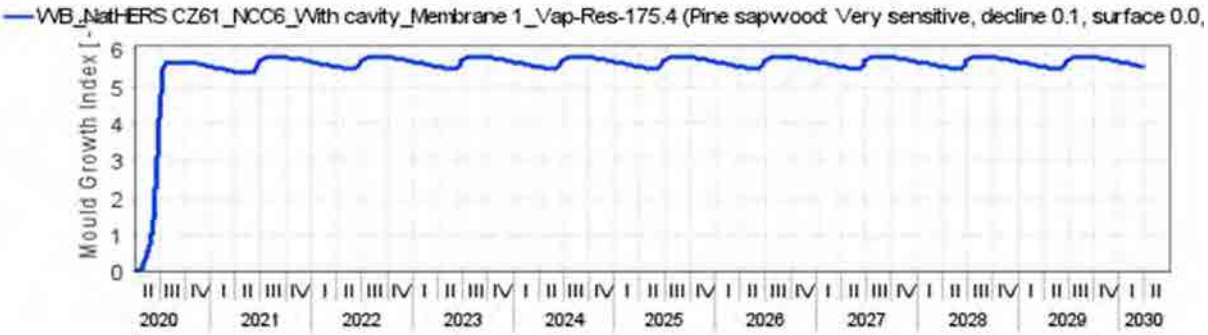

Figure 206: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

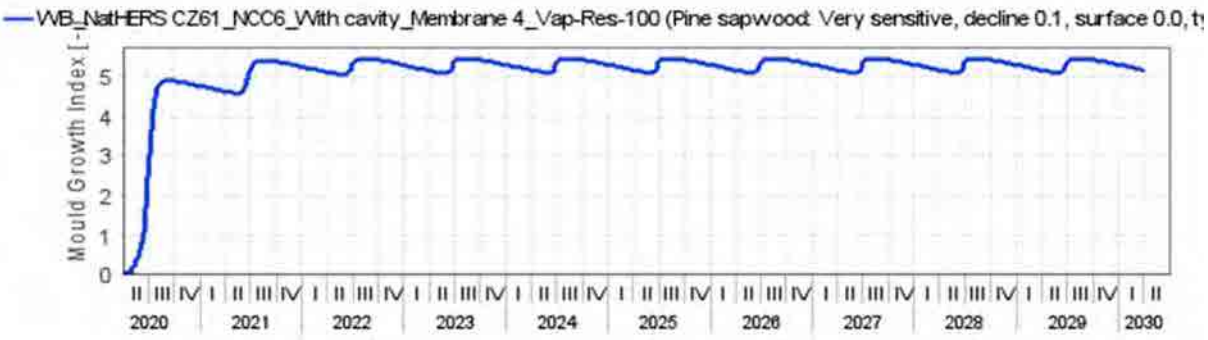

Figure 207 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 208: Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. By the fifth year, the Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

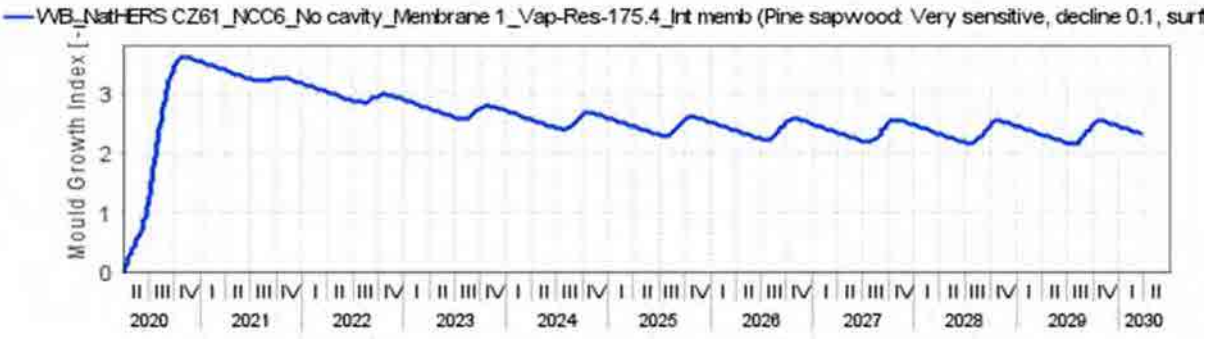

Figure 209 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

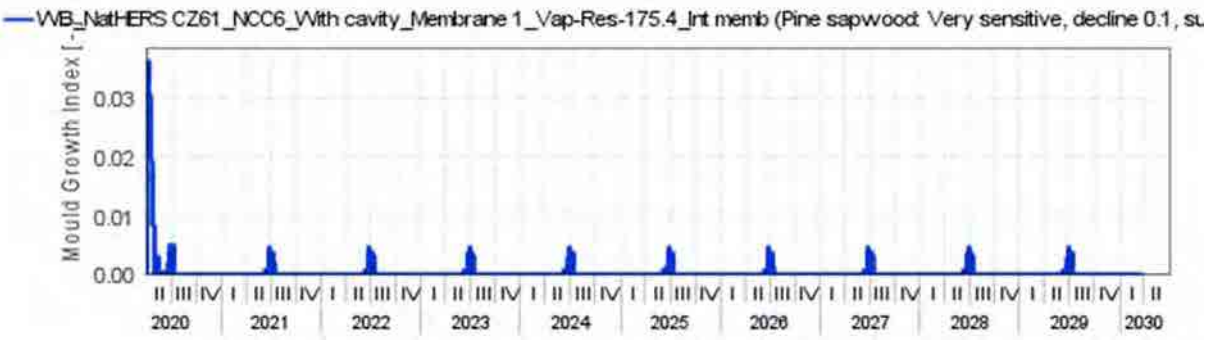

Figure 210 Timber Cladding NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

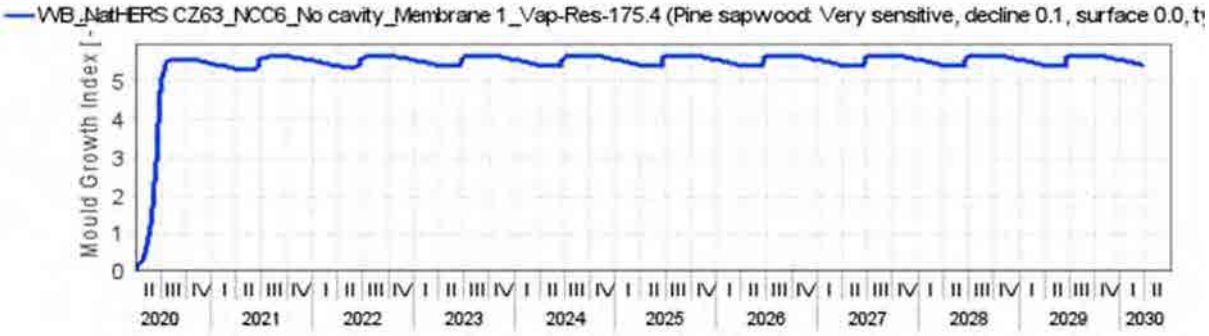

Figure 211: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

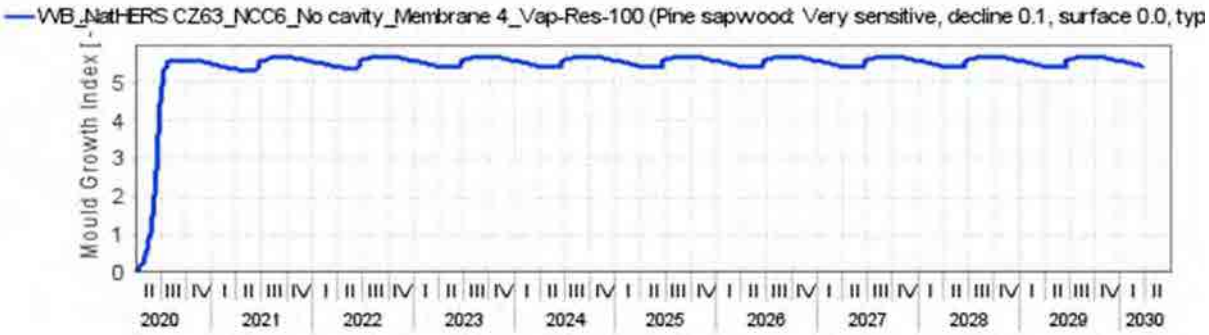

Figure 212 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

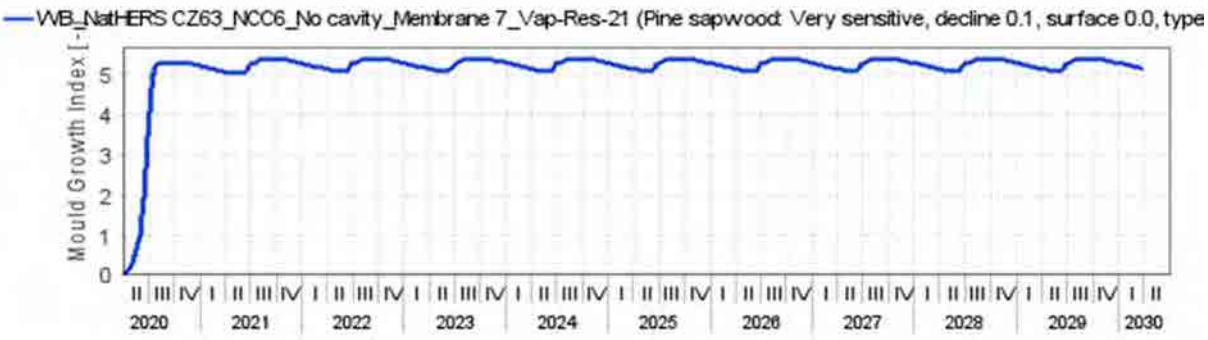

Figure 213: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 214: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

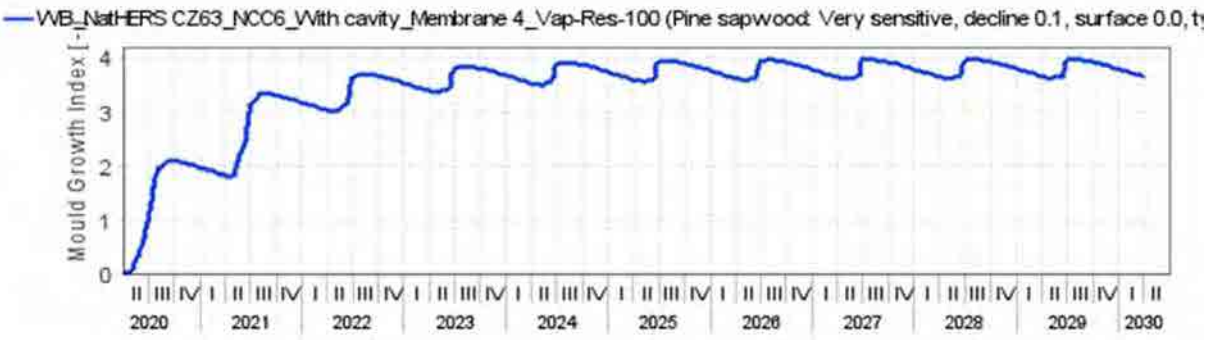

Figure 215 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

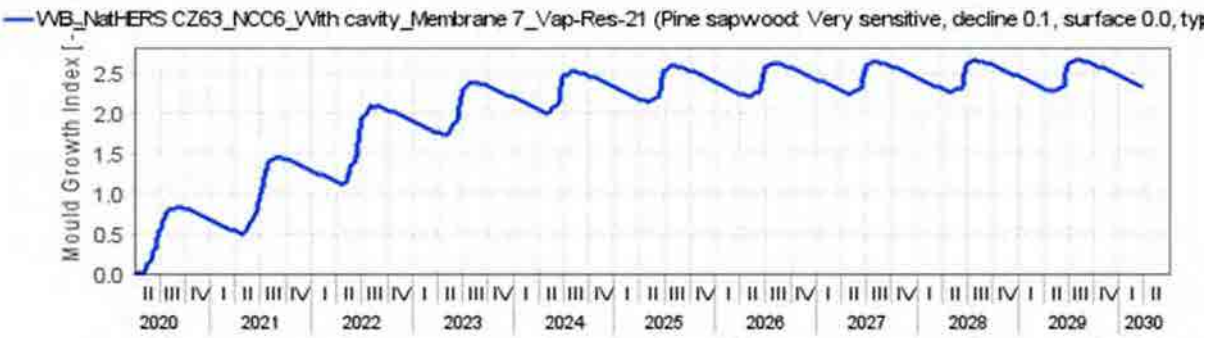

Figure 216: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

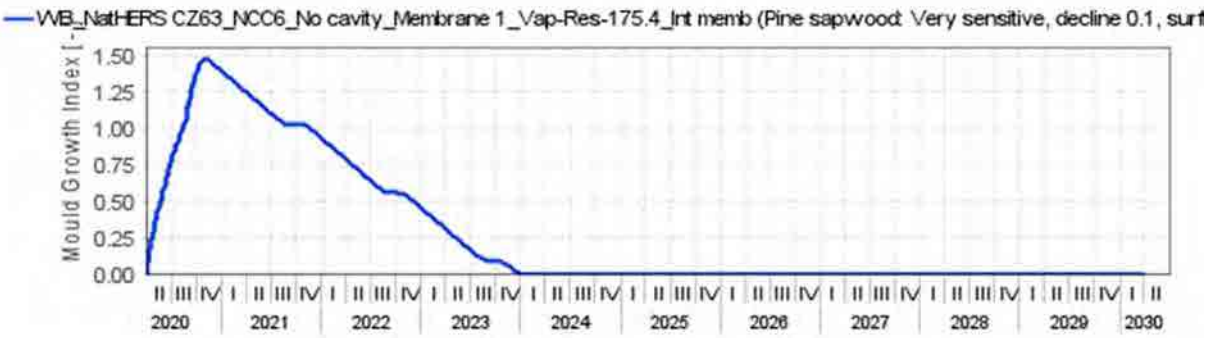

Figure 217 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

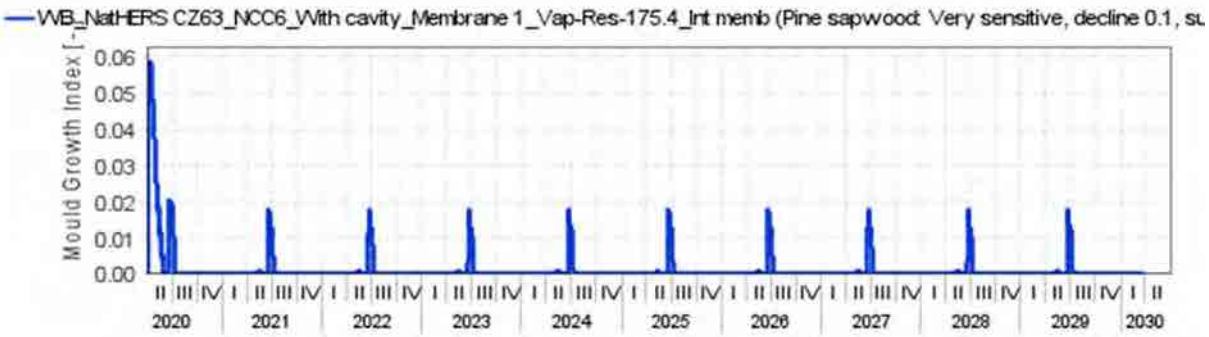

Figure 218 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

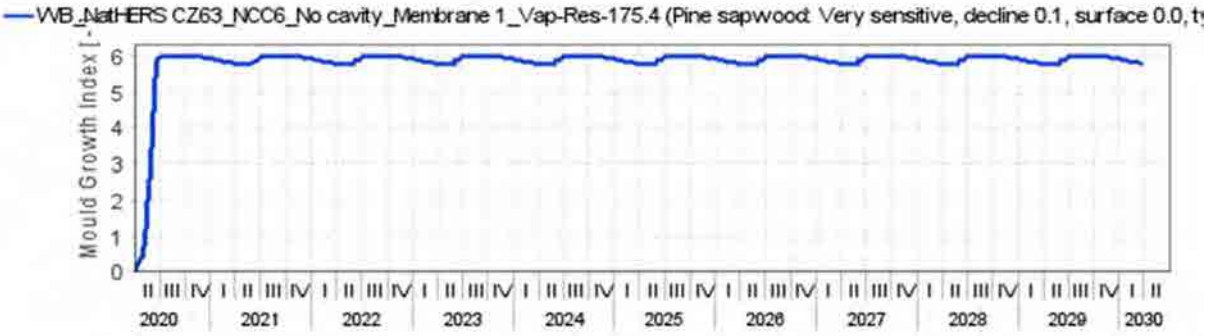

Figure 219: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth –
   Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

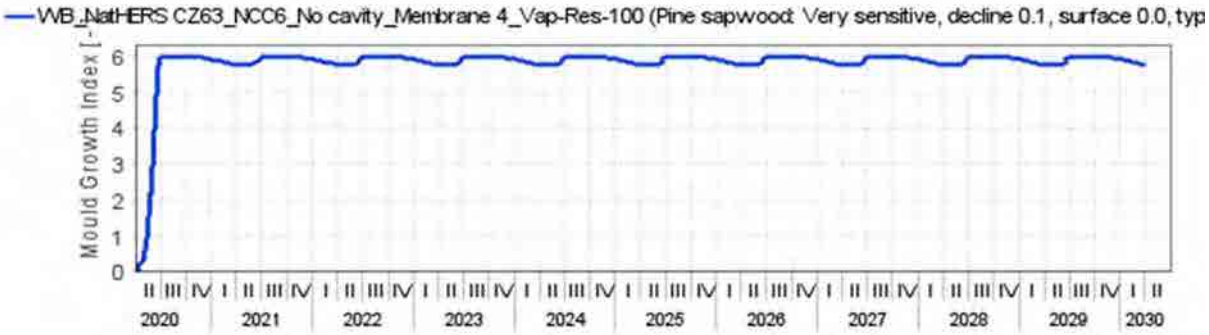

Figure 220 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

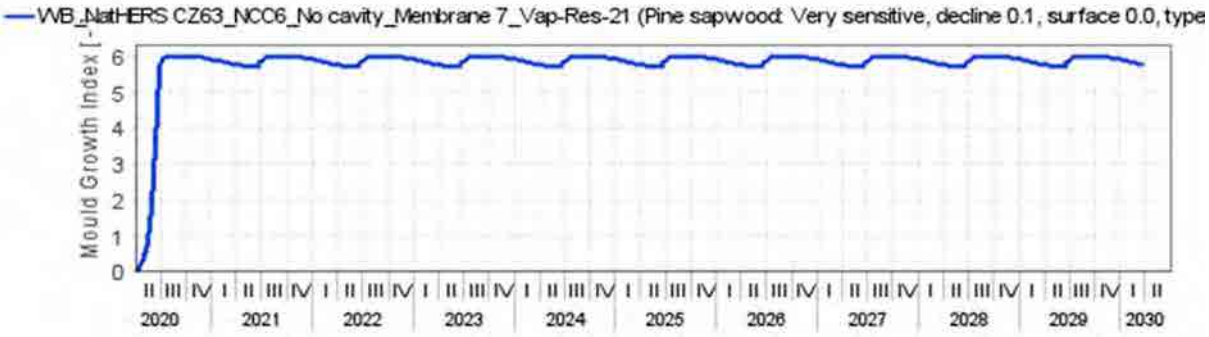

Figure 221: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

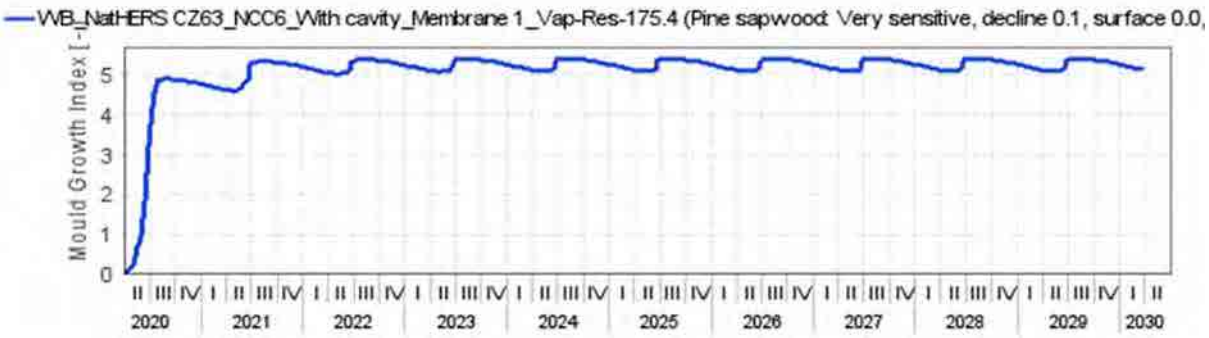

Figure 222: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 223 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

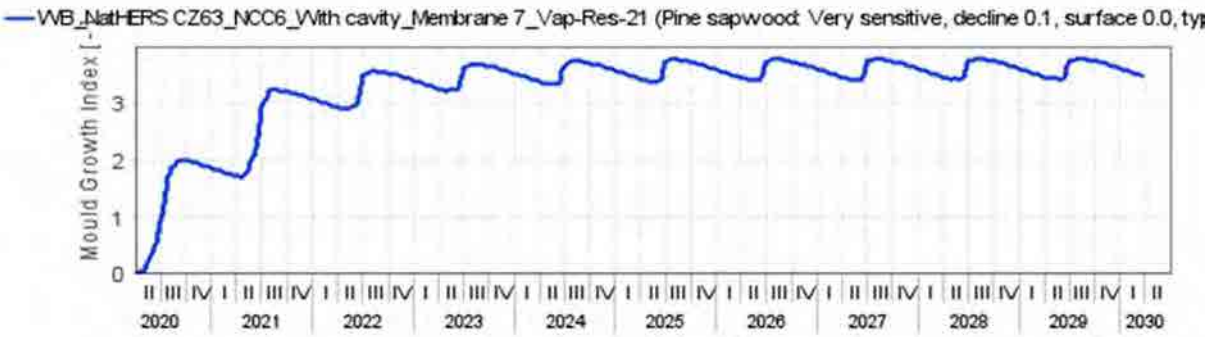

Figure 224: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

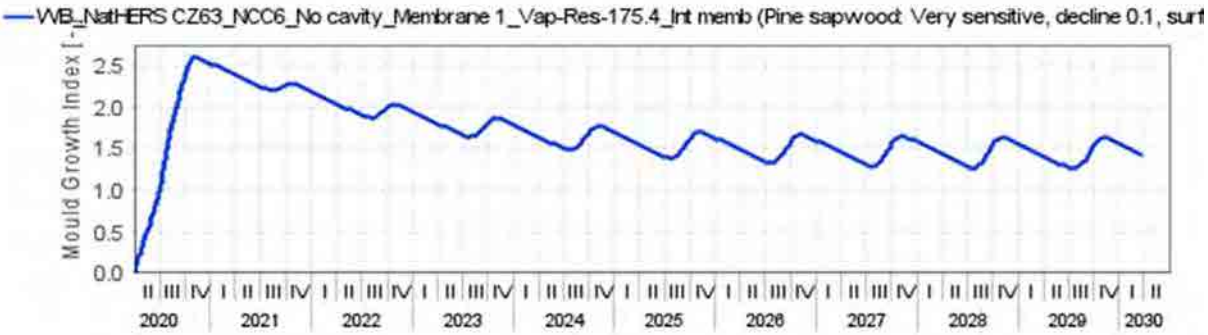

Figure 225 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
The Mould Growth Index within this wall system does not exceed 1.0.

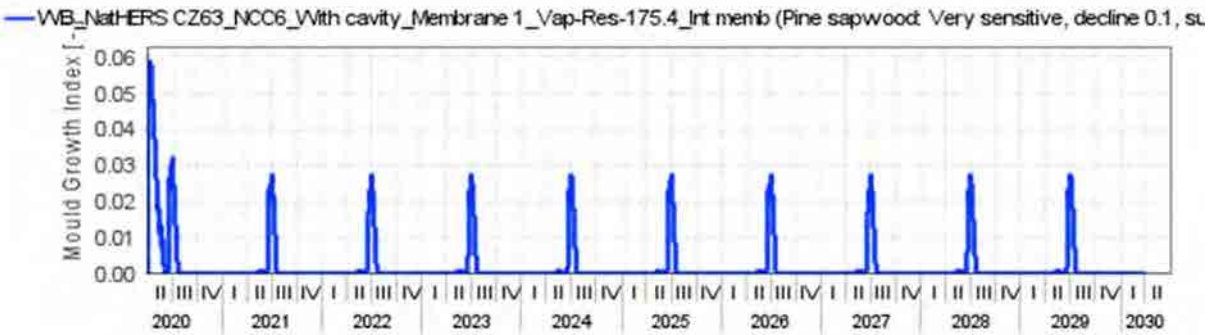

Figure 226 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

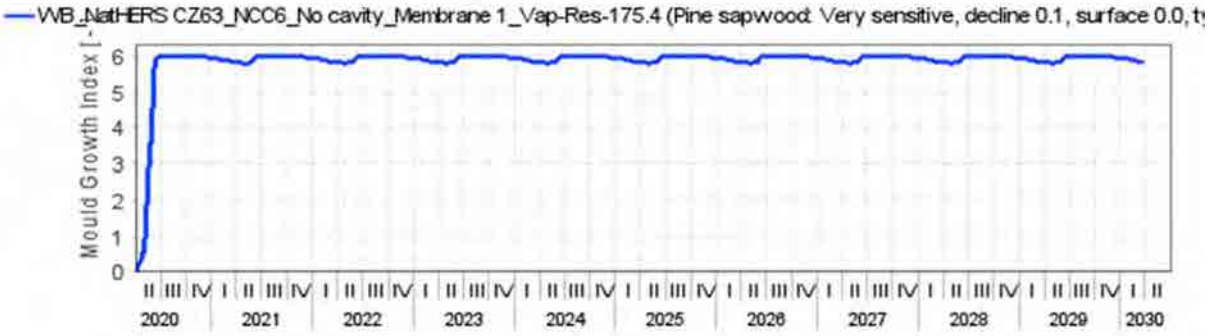

Figure 227: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

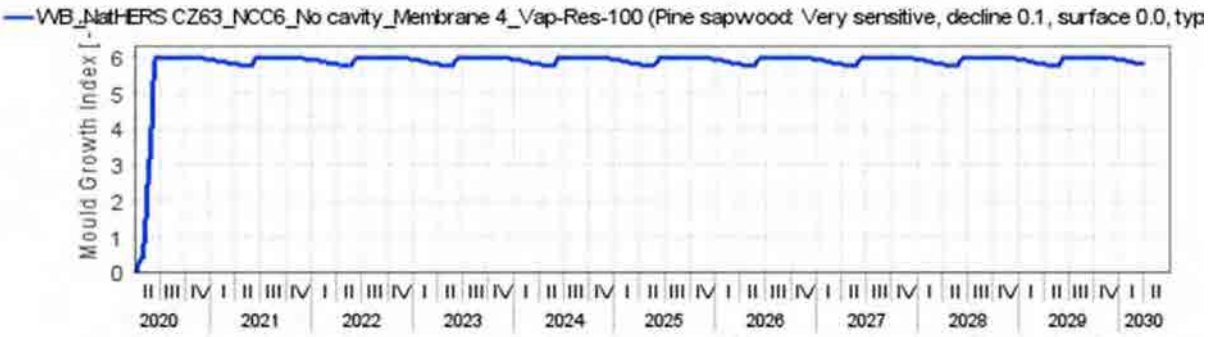

Figure 228 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

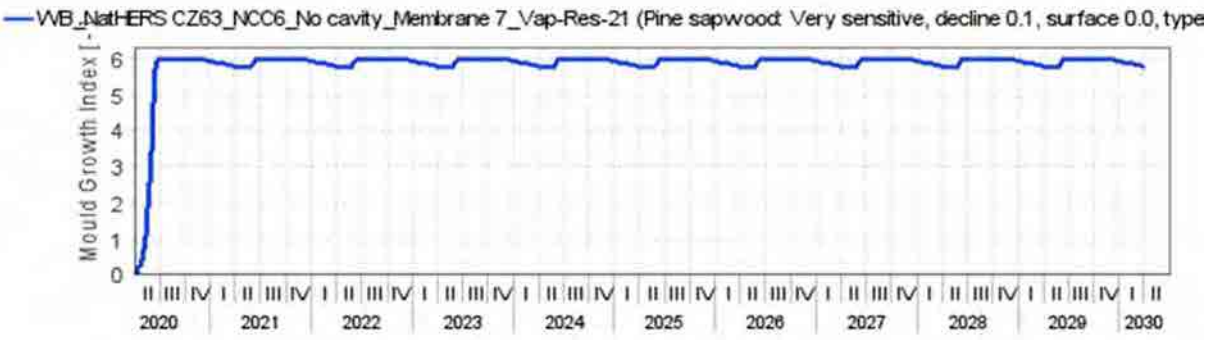

Figure 229: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

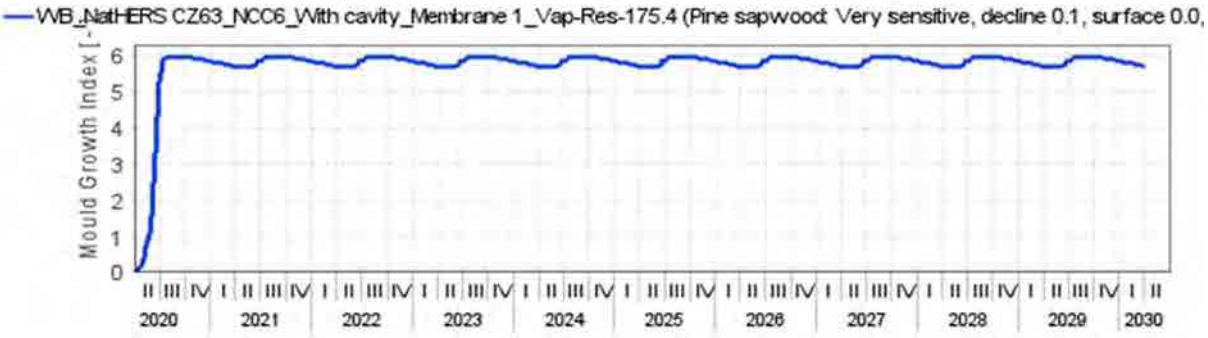

Figure 230: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 231 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 232: Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

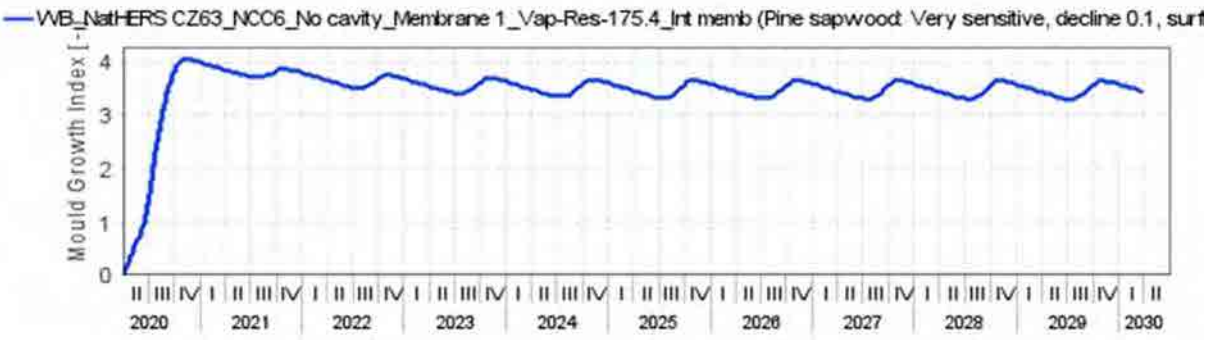

Figure 233 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

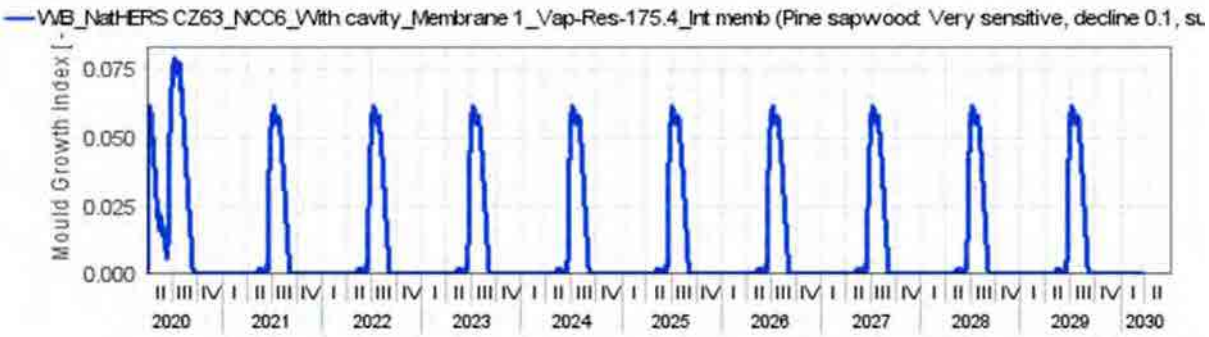

Figure 234 Timber Cladding NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

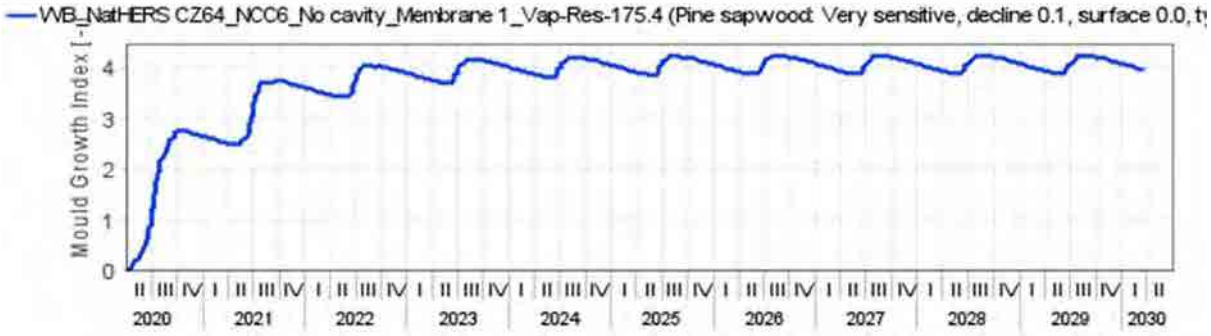

Figure 235: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 236 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

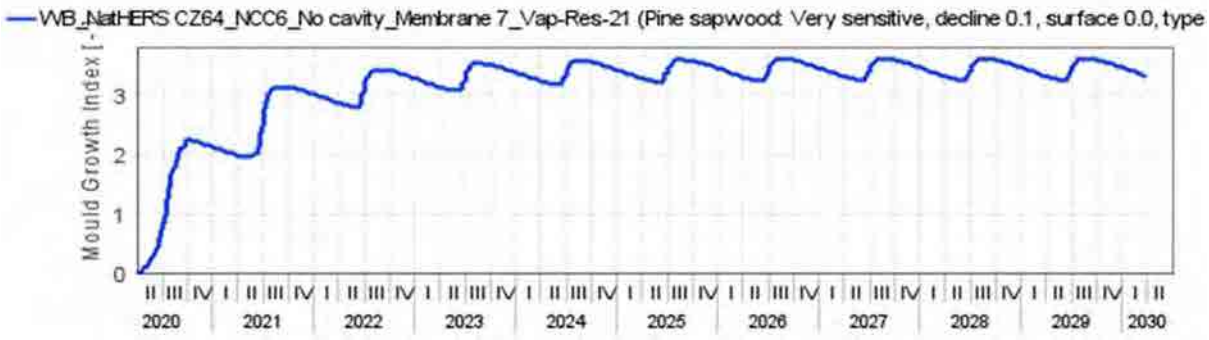

Figure 237: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

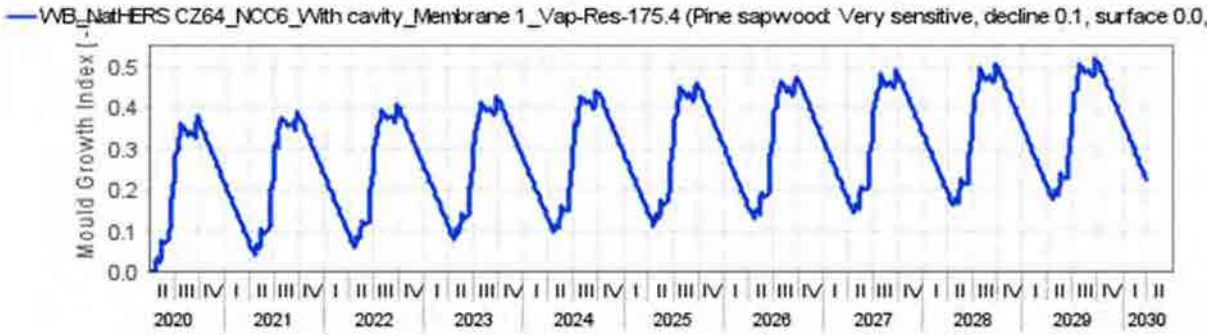

Figure 238: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

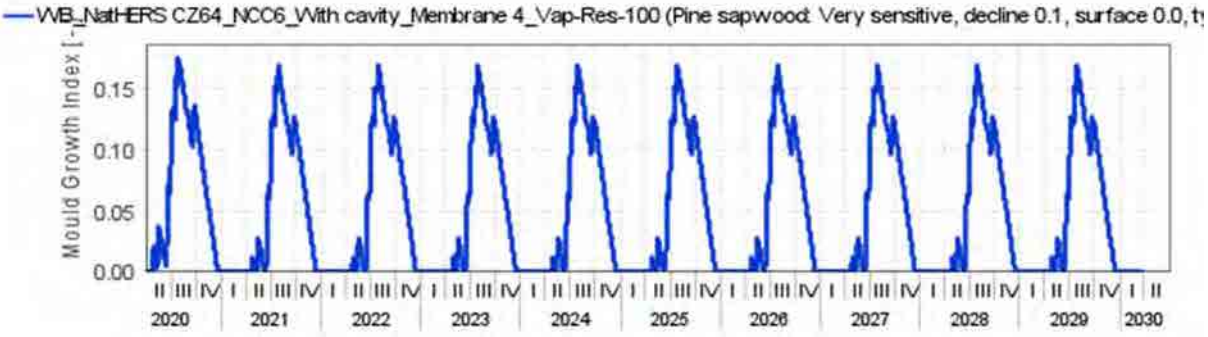

Figure 239 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

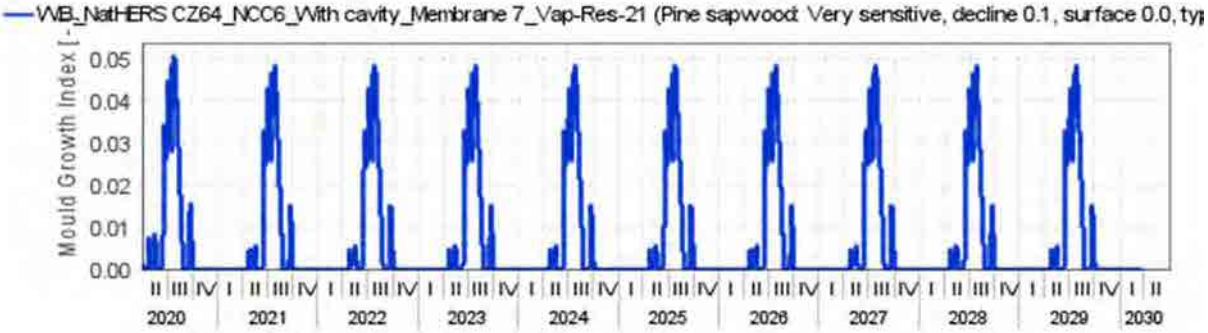

Figure 240: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

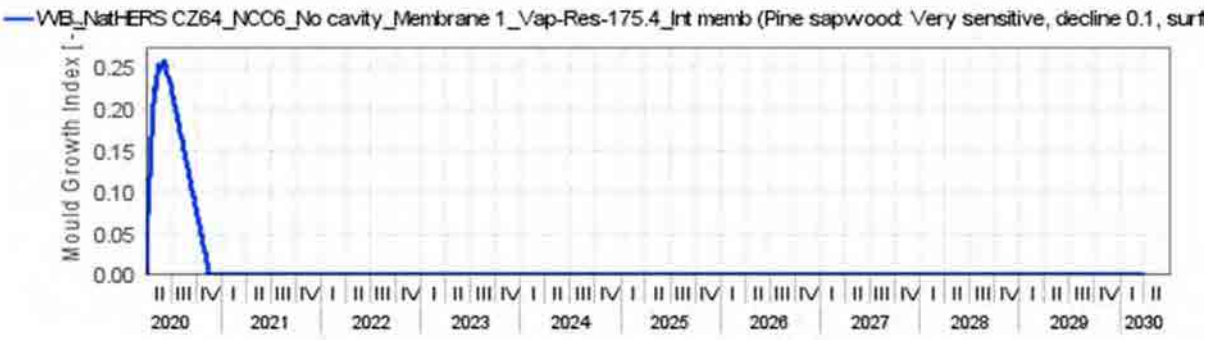

Figure 241 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

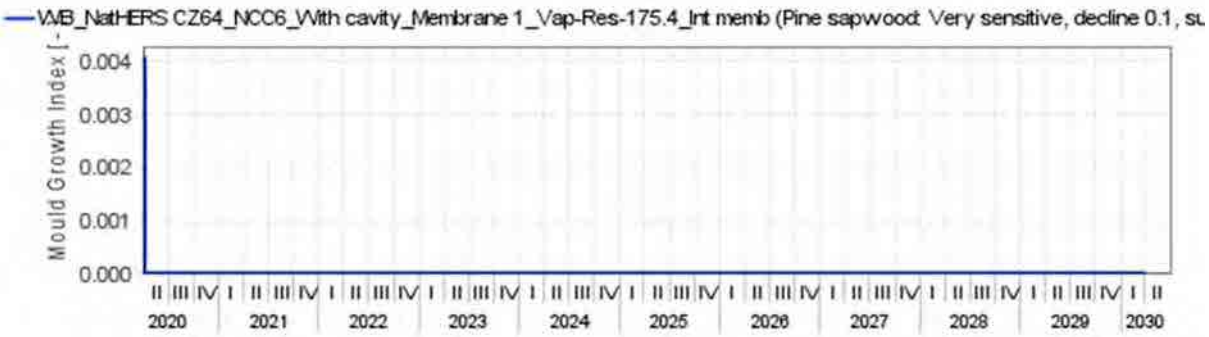

Figure 242 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

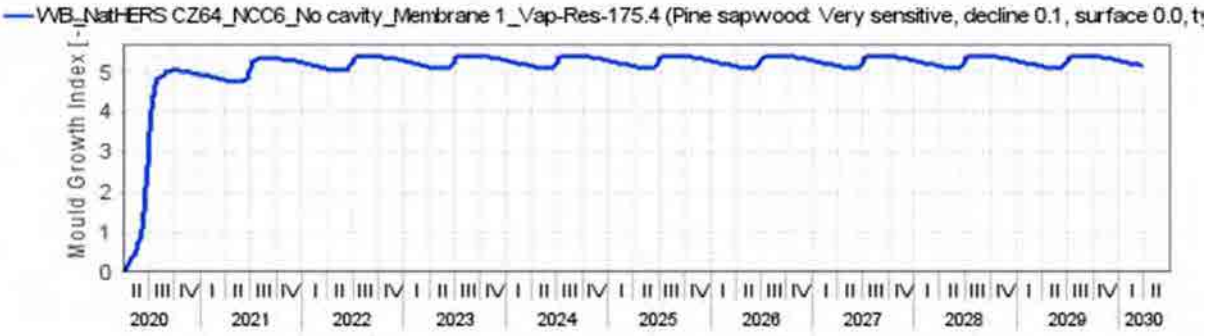

Figure 243: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

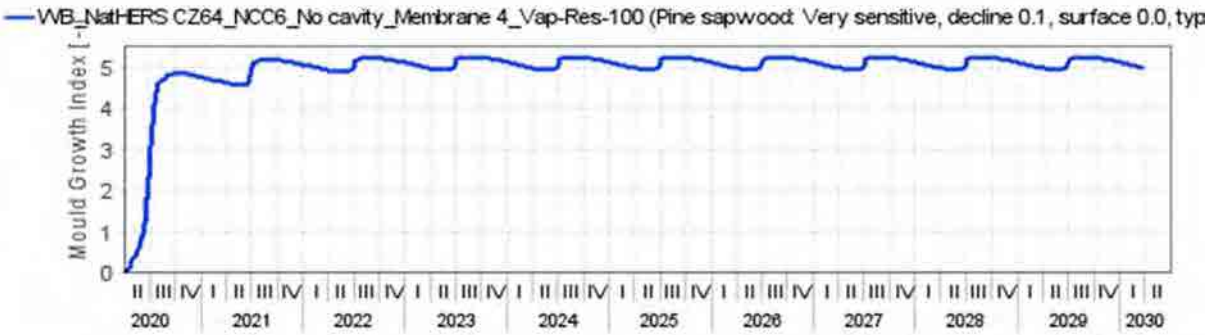

Figure 244 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

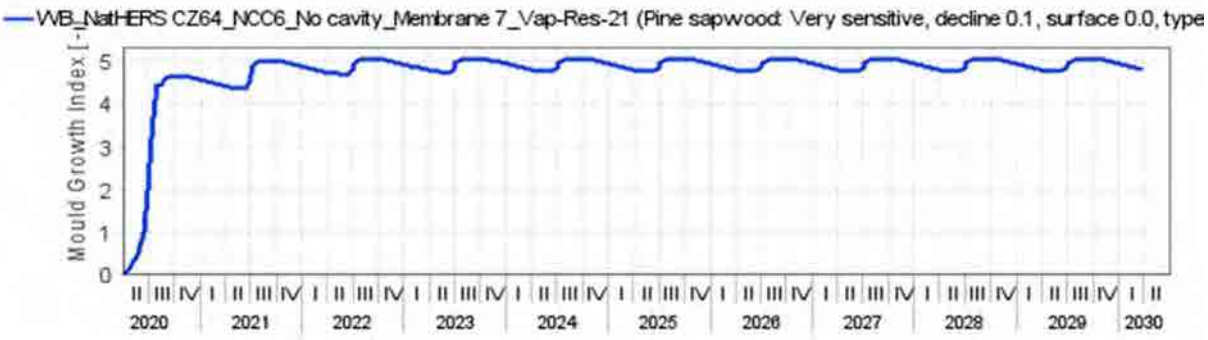

Figure 245: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

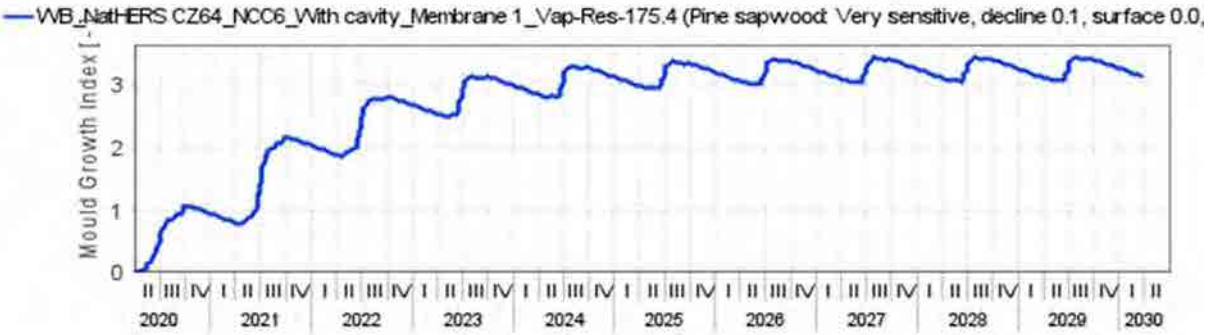

Figure 246: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

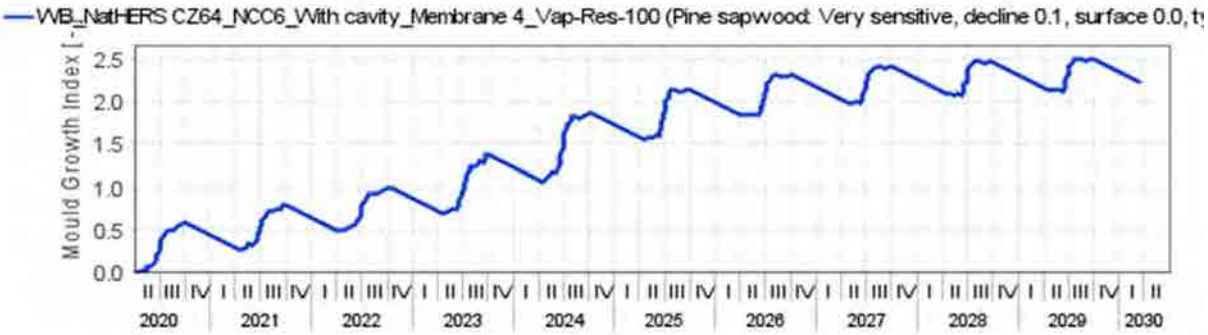

Figure 247 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

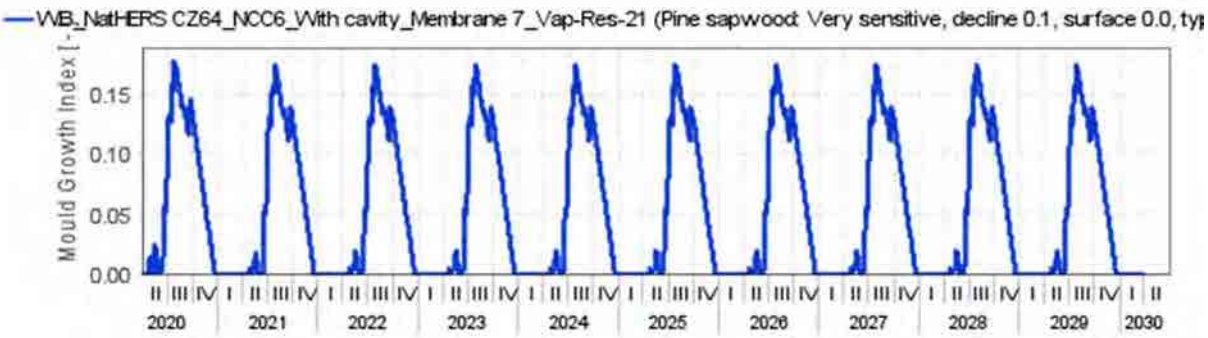

Figure 248: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

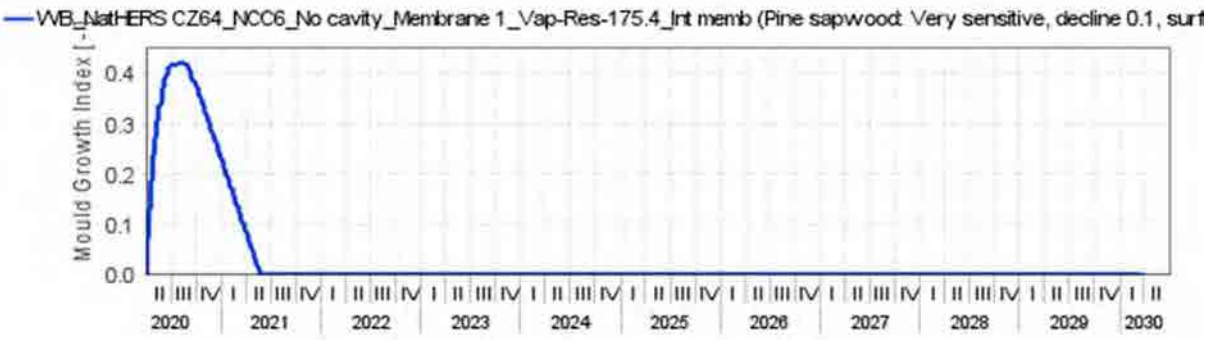

Figure 249 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

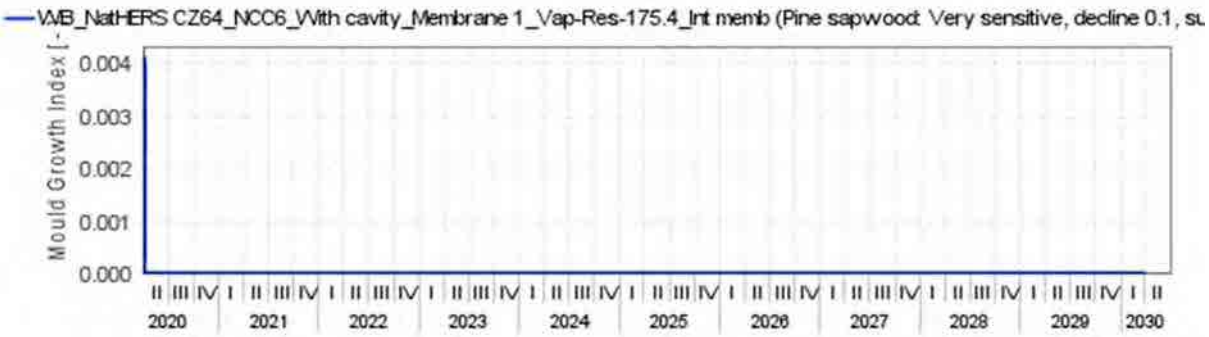

Figure 250 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

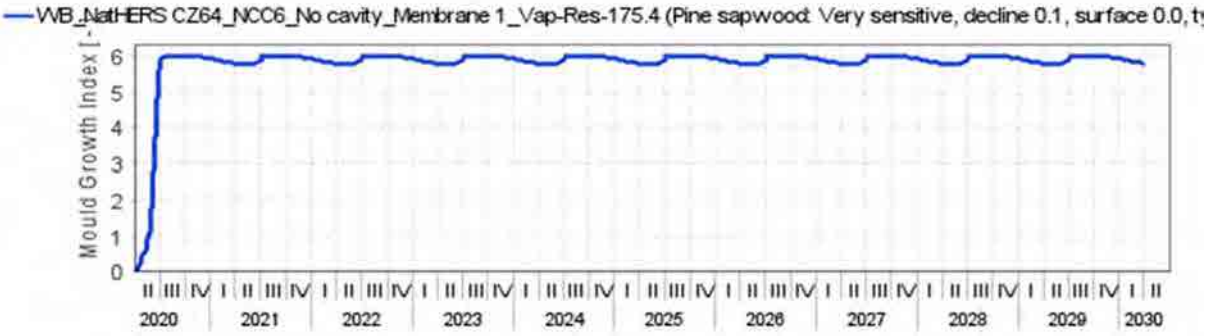

Figure 251: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

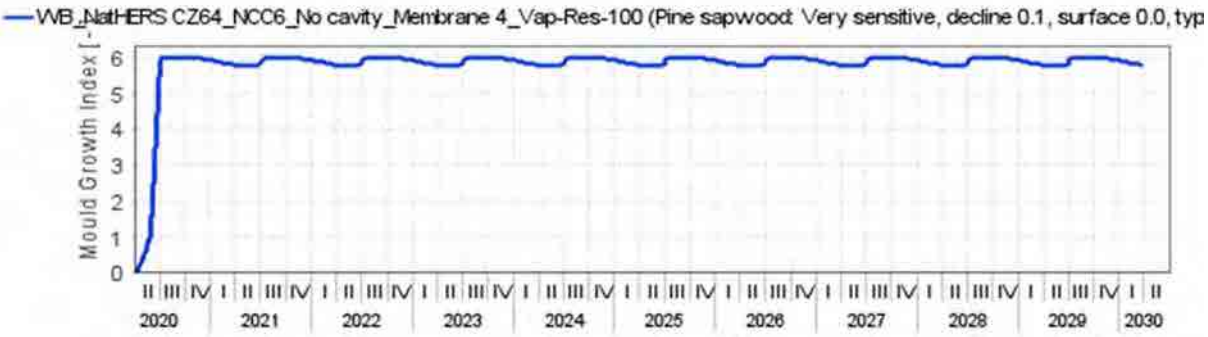

Figure 252 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

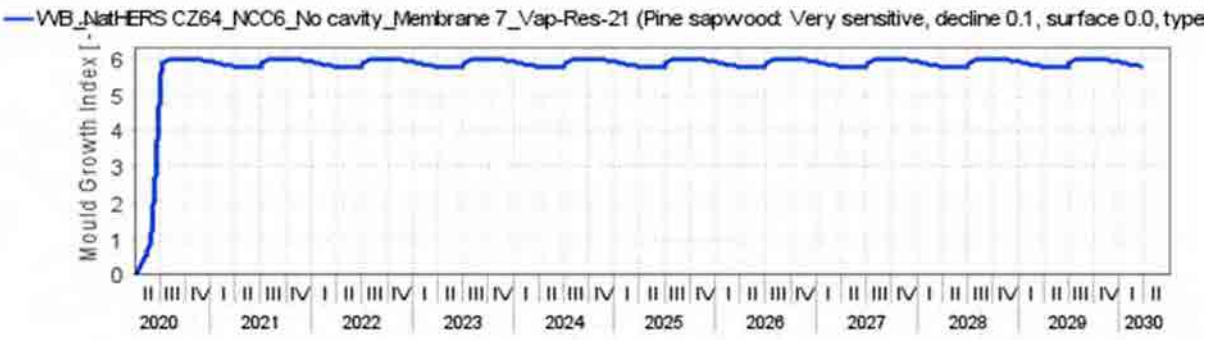

Figure 253: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 254: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

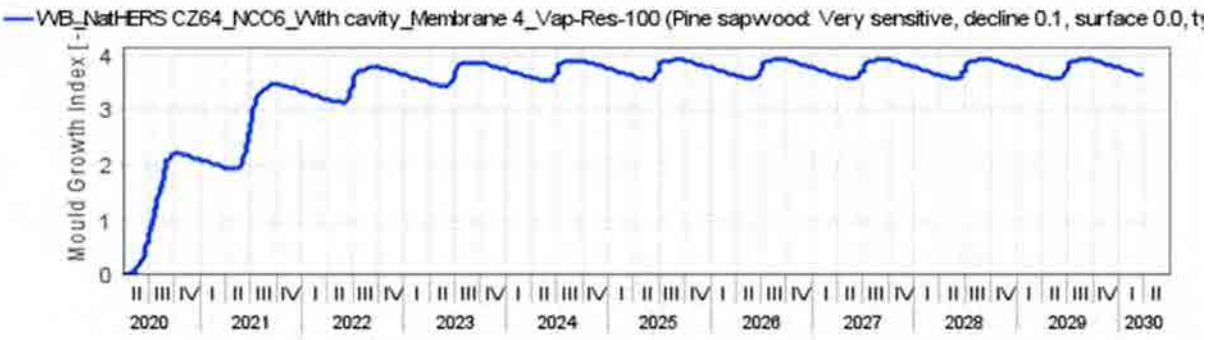

Figure 255 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

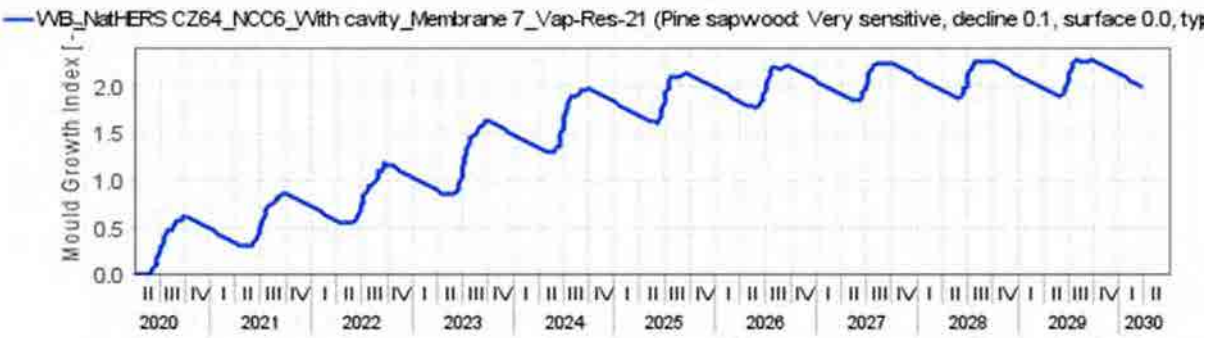

Figure 256: Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

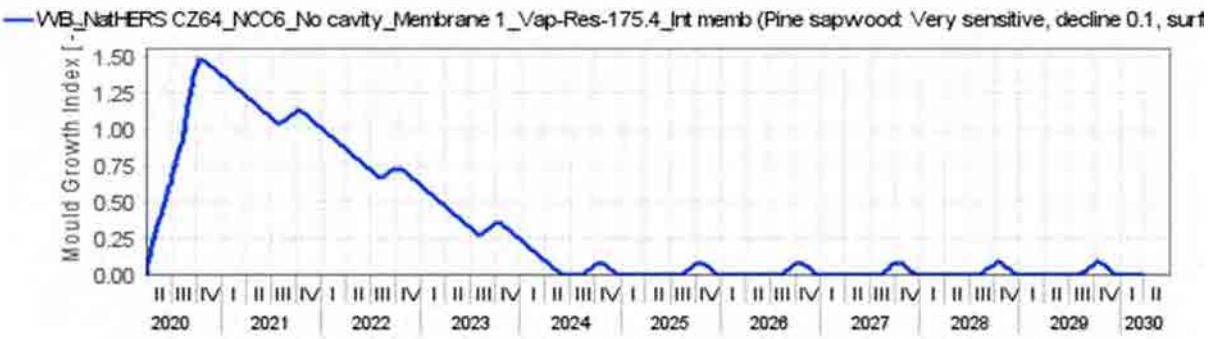

Figure 257 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

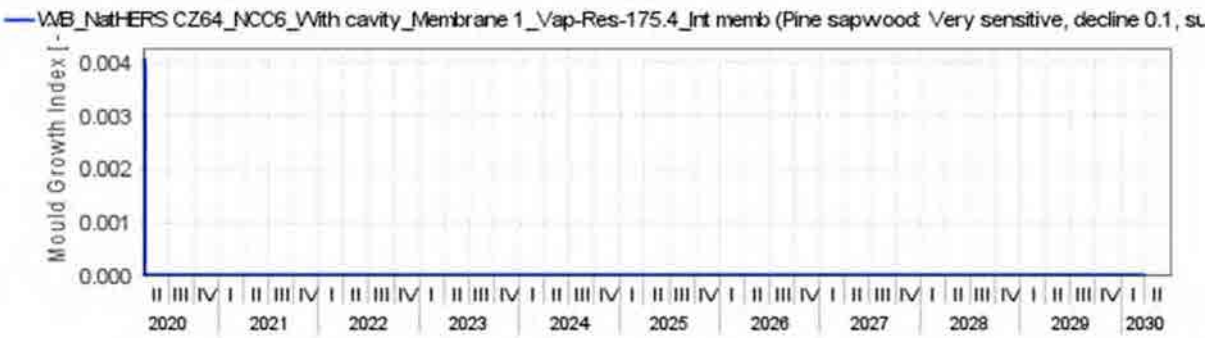

Figure 258 Timber Cladding NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 6 Star and 7 Star timber clad external wall

ACR 10 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

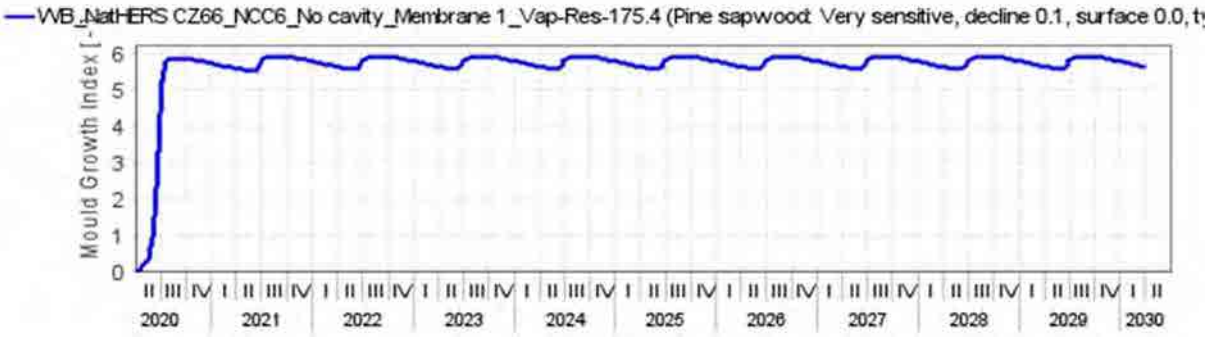

Figure 259: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

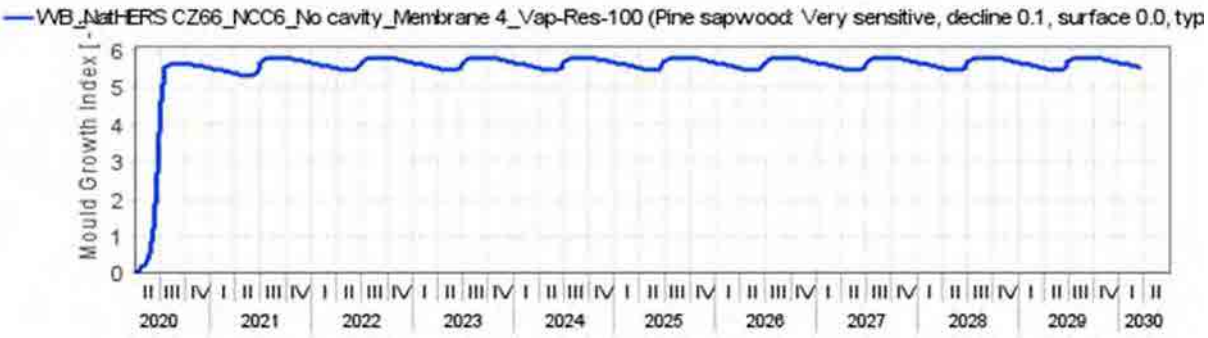

Figure 260 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

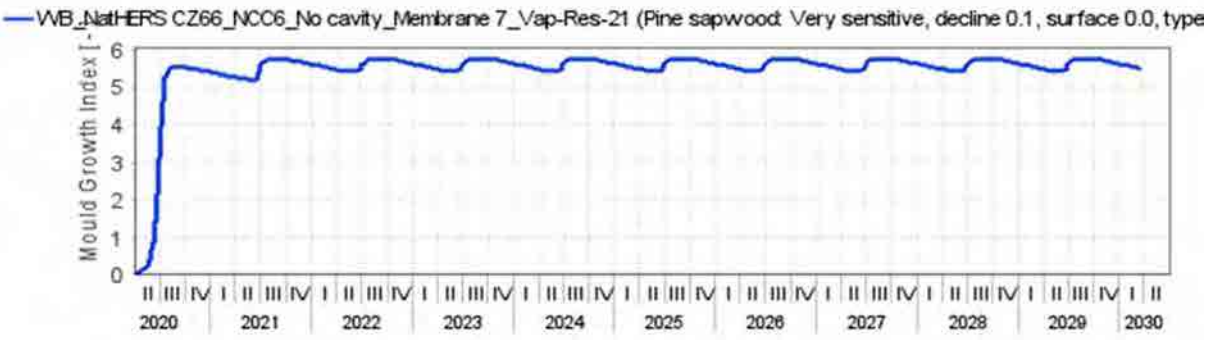

Figure 261: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 262: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

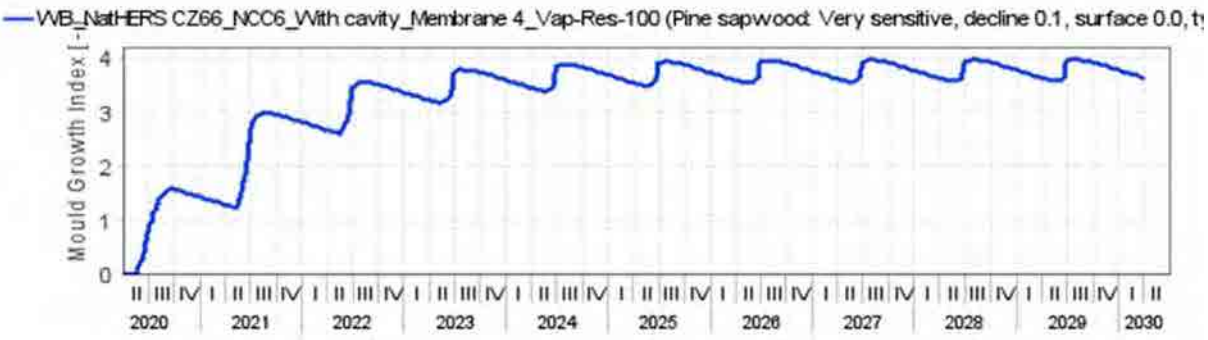

Figure 263 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

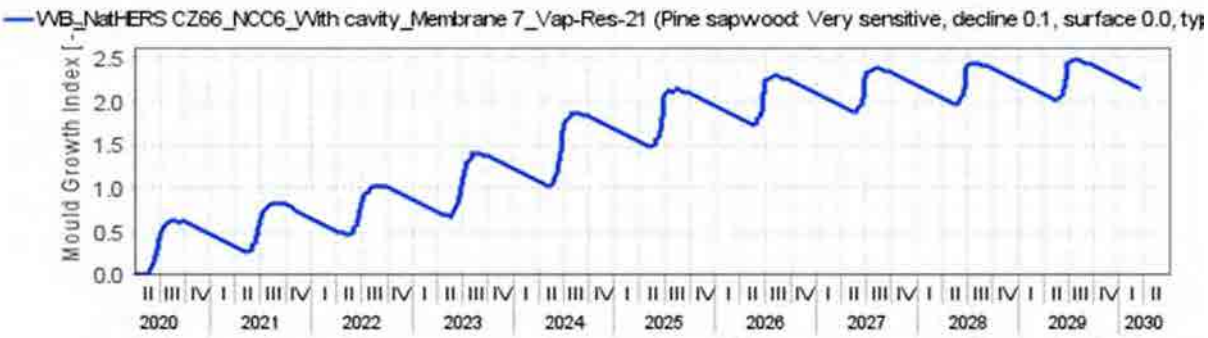

Figure 264: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

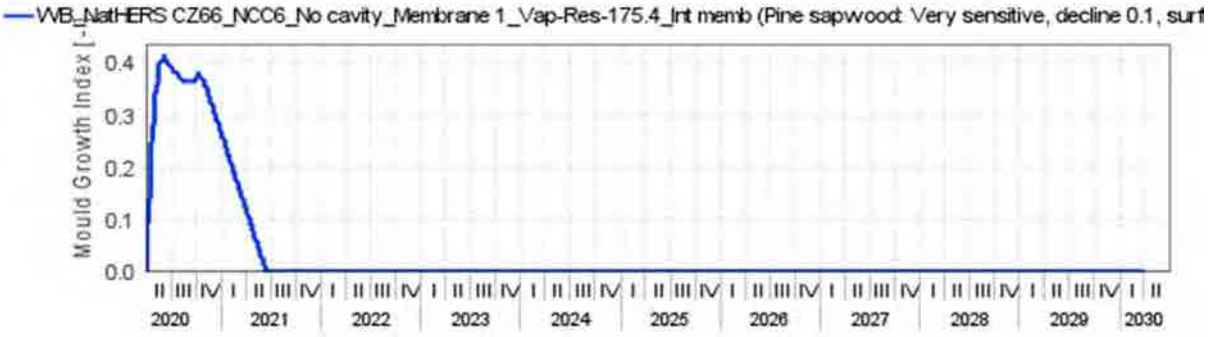

Figure 265 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

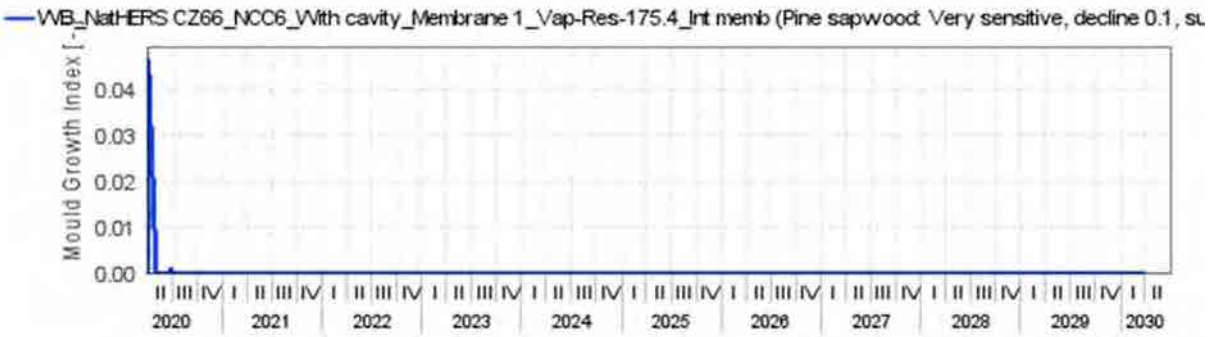

Figure 266 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

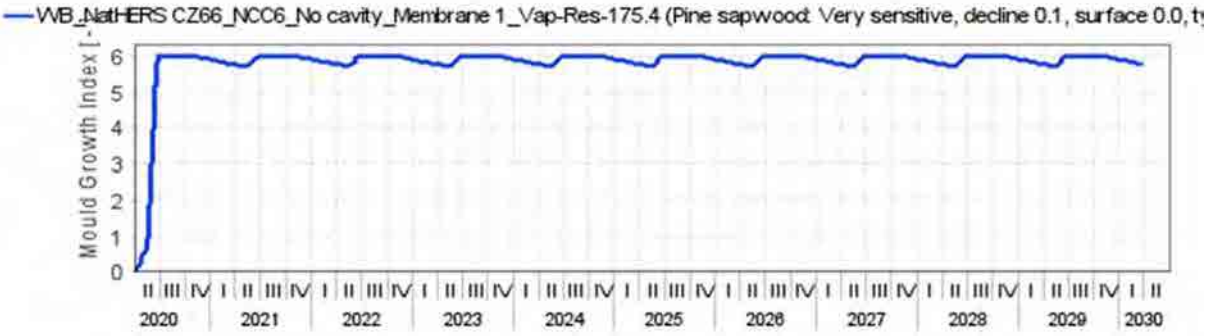

Figure 267: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

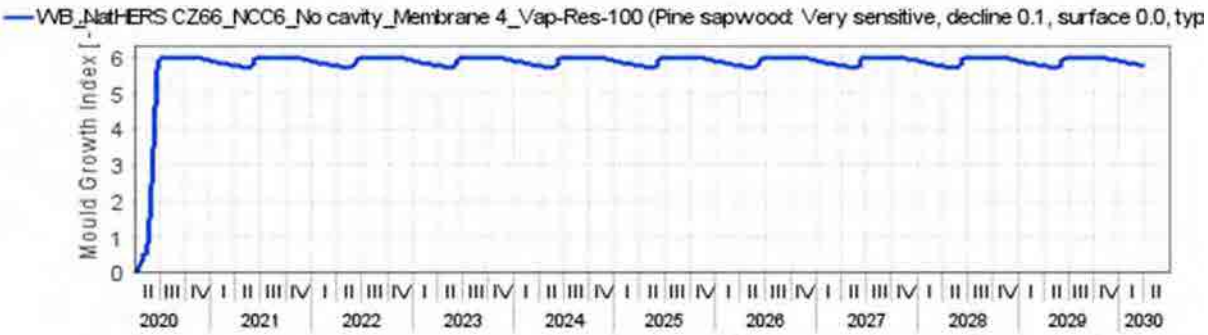

Figure 268 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

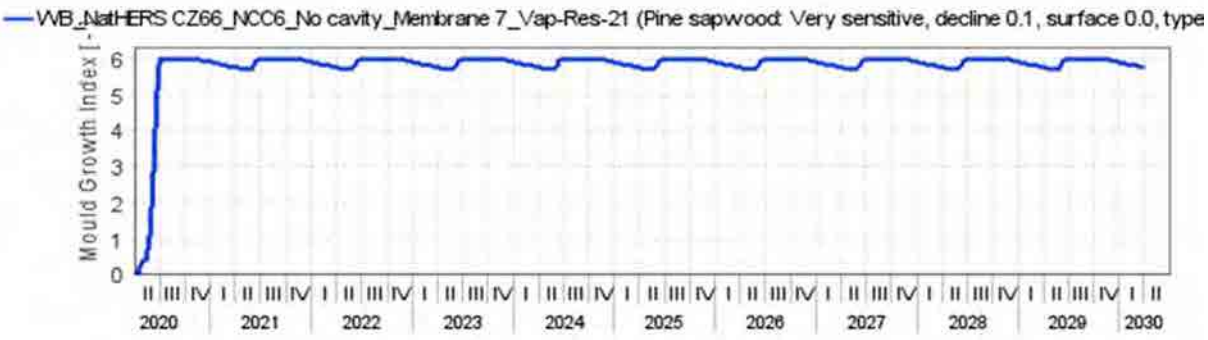

Figure 269: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

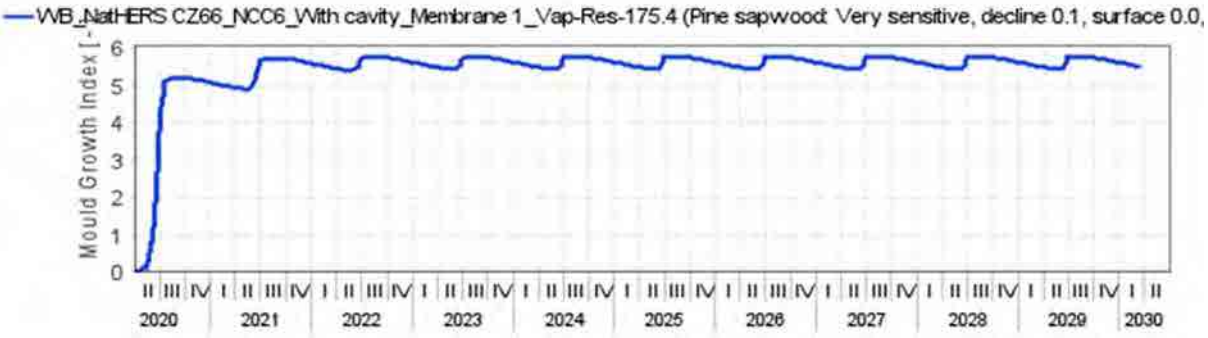

Figure 270: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

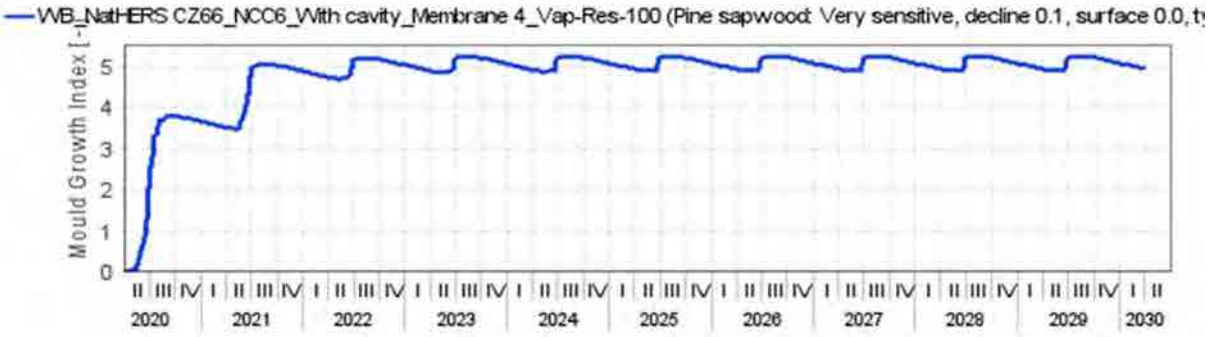

Figure 271 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

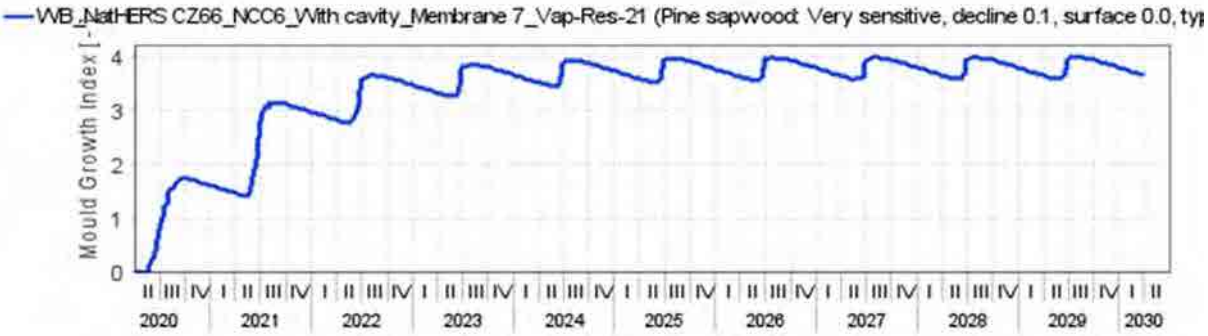

Figure 272: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

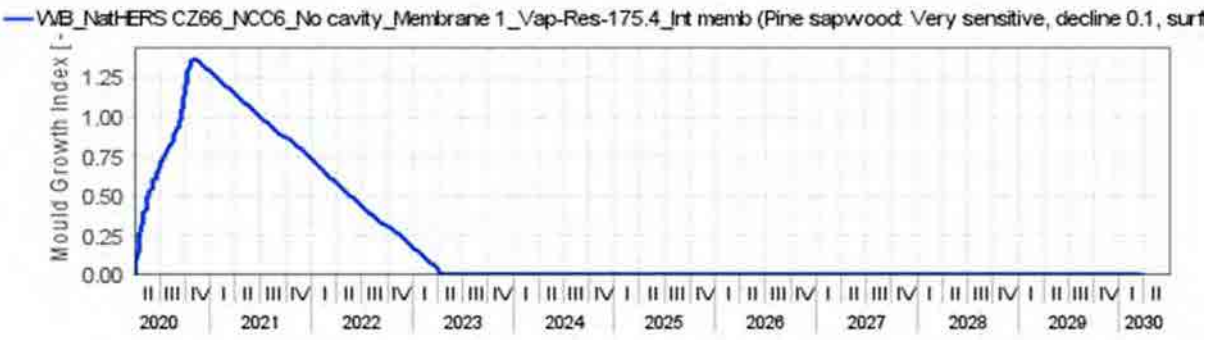

Figure 273 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
The Mould Growth Index within this wall system does not exceed 1.0.

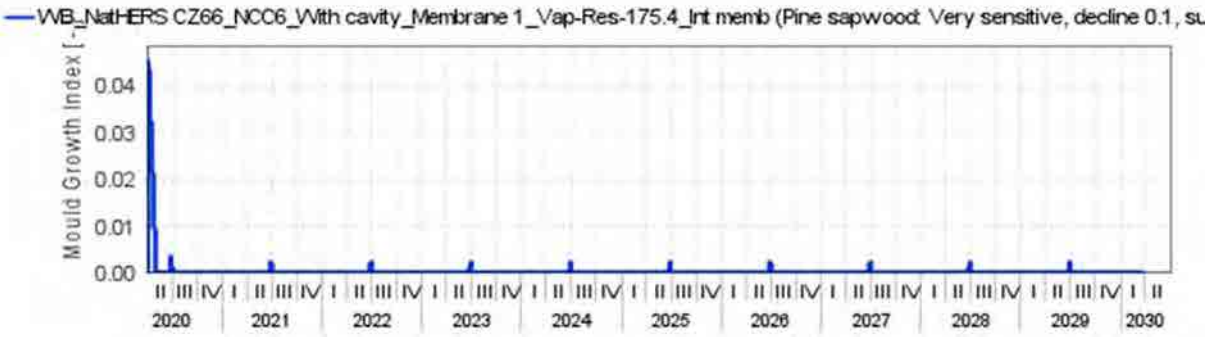

Figure 274 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Timber clad - South Only

1. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

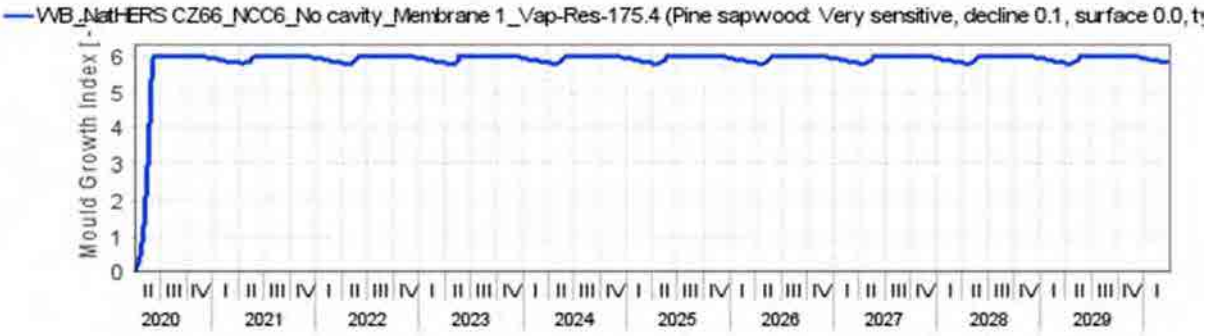

Figure 275: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

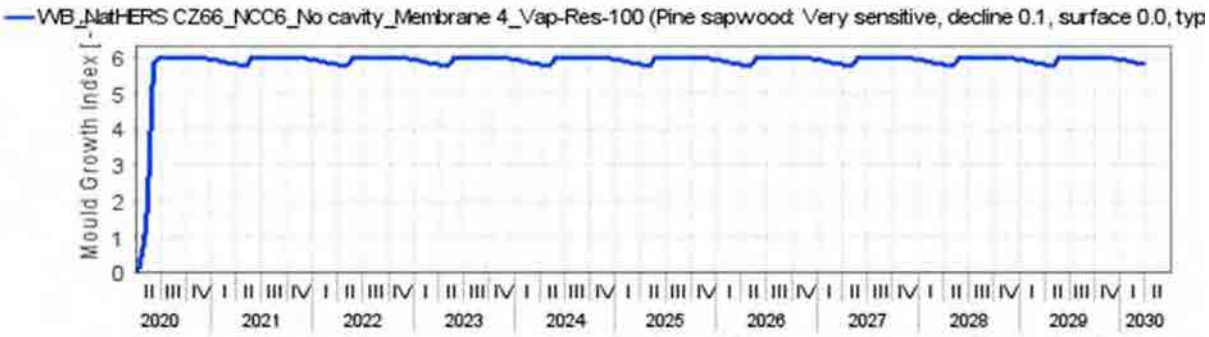

Figure 276 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

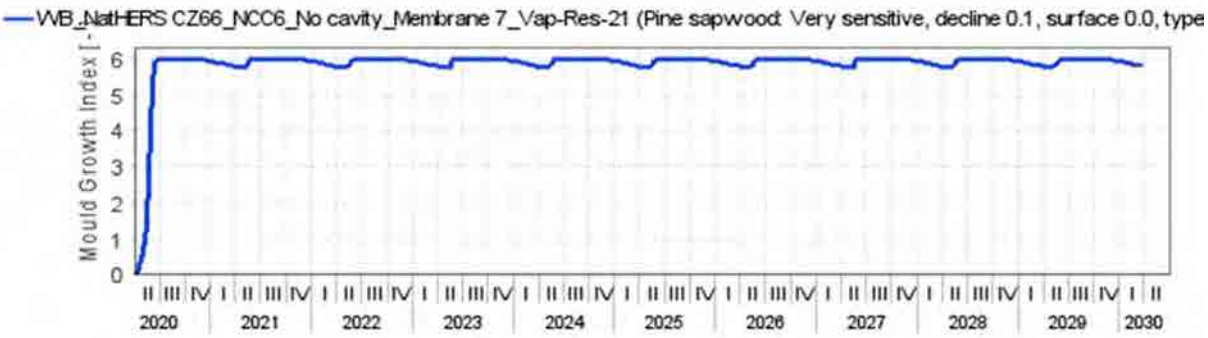

Figure 277: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

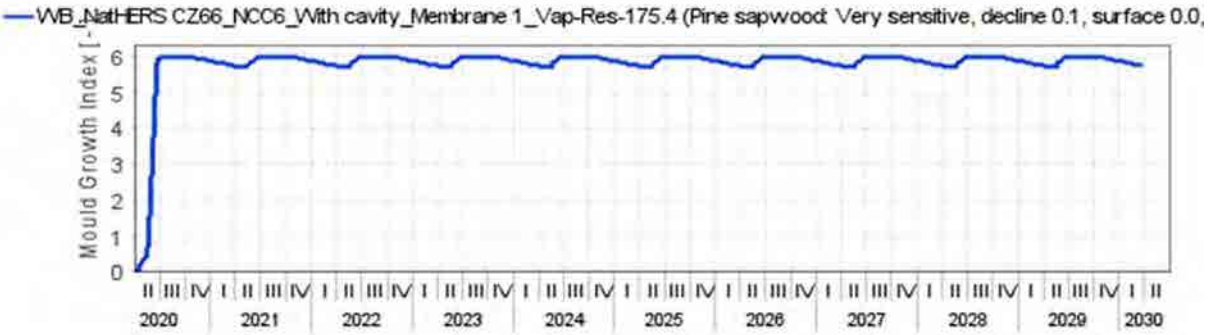

Figure 278: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 279 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With Cavity –Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

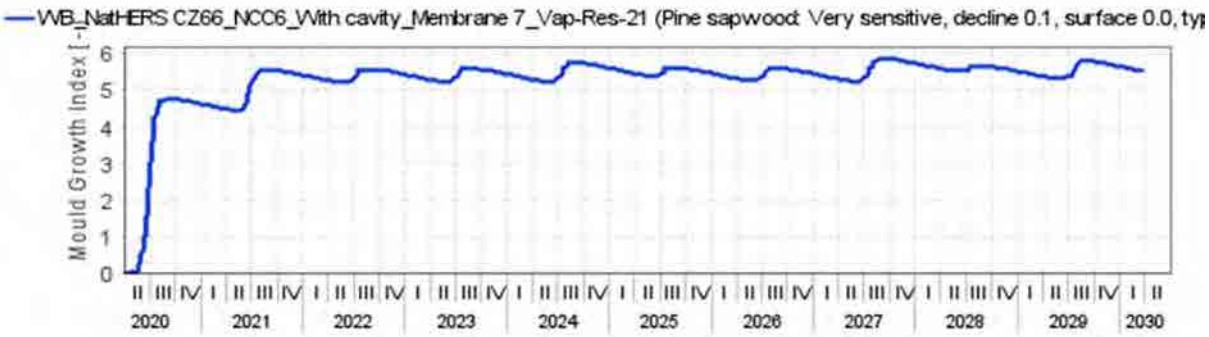

Figure 280: Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

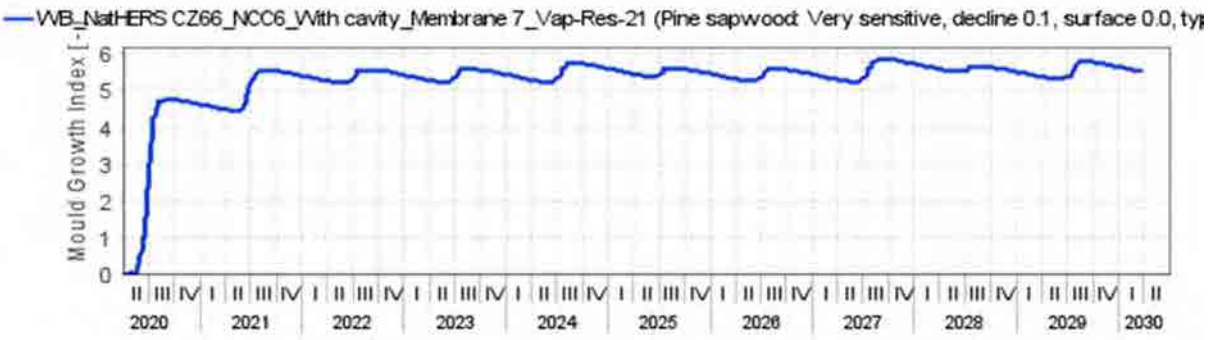

Figure 281 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

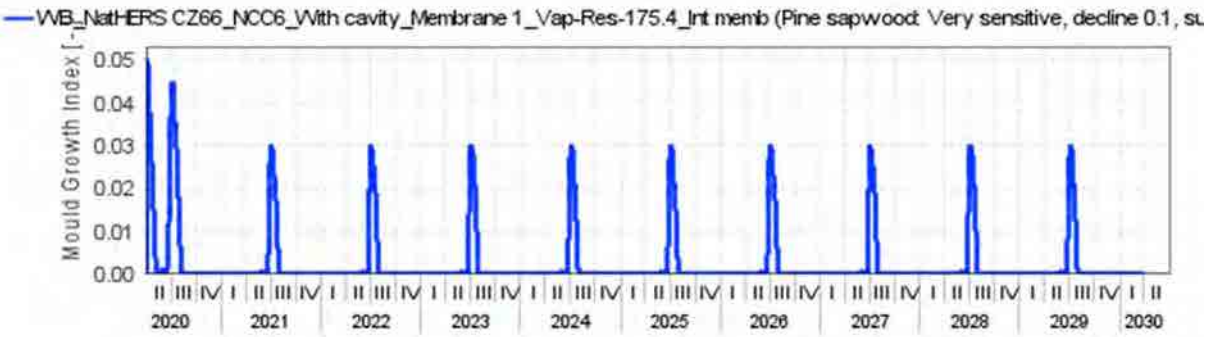

Figure 282 Timber Cladding NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 2: Hygrothermal simulation results – 6 Star and 7 Star compressed fibre cement sheet cladding with insulated frame (Wall 2)

Revision 01 (17/12/2023)

NCC CZ 4

NatHERS CZ 27, NCC CZ4: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

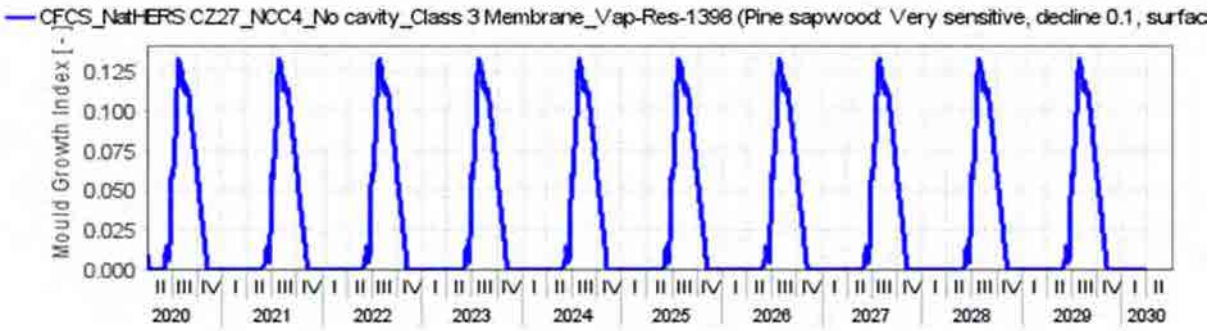

Figure 1: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

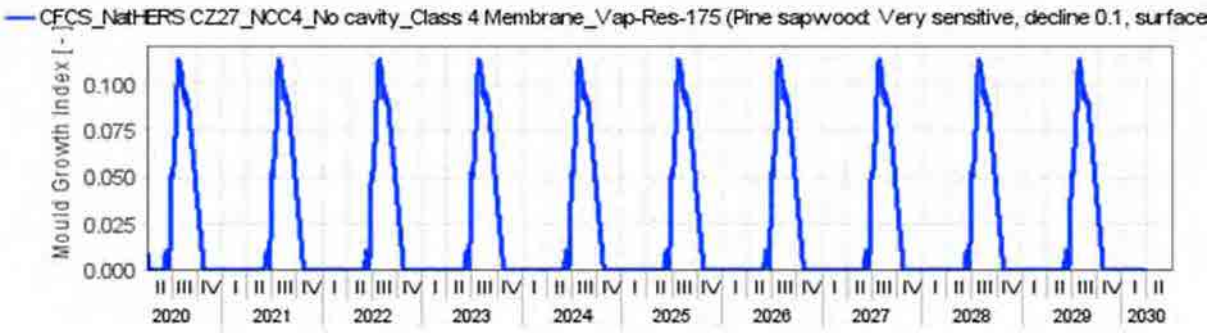

Figure 2: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

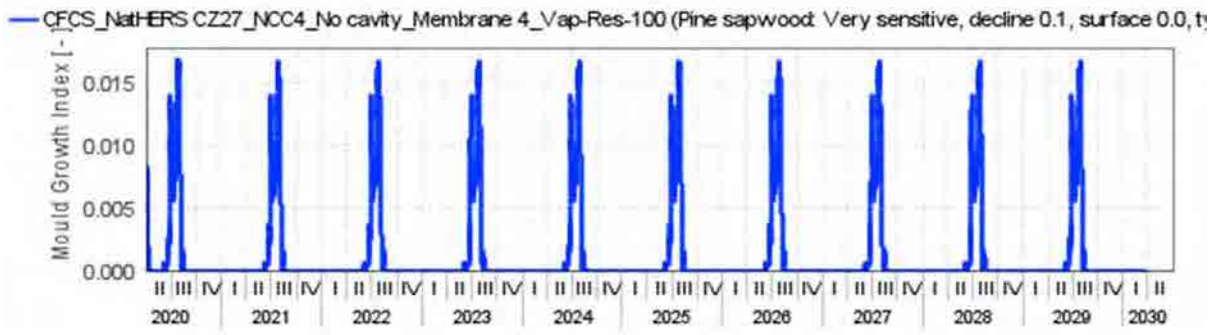

Figure 3: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

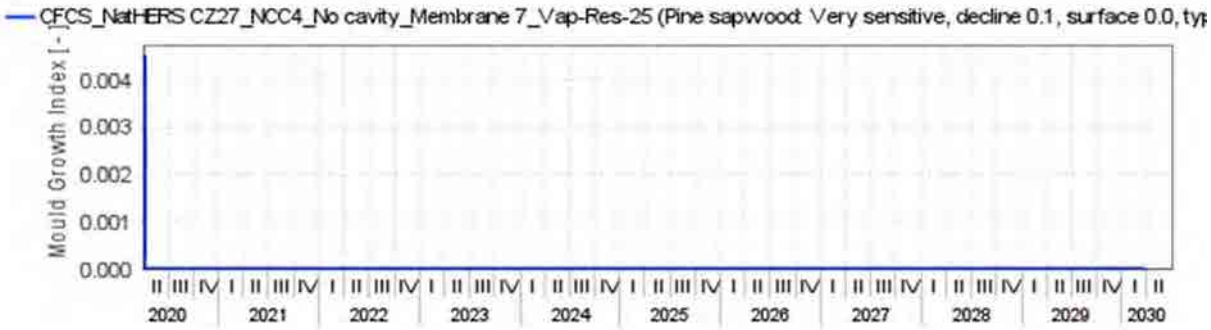

Figure 4: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

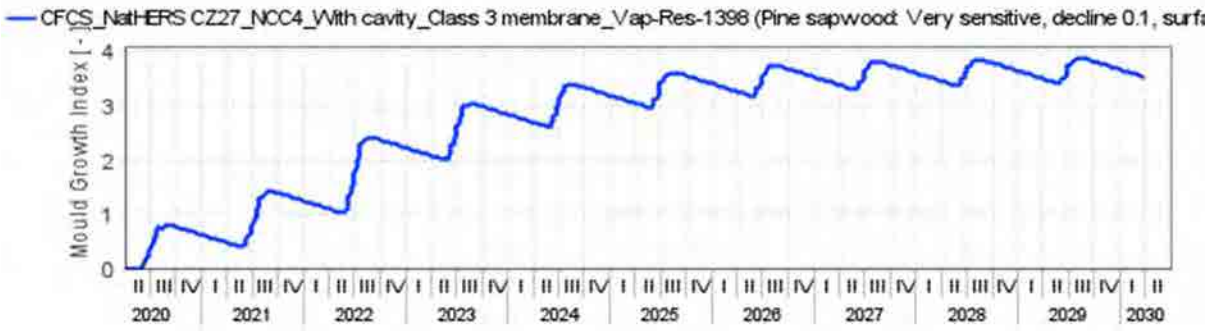

Figure 5: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

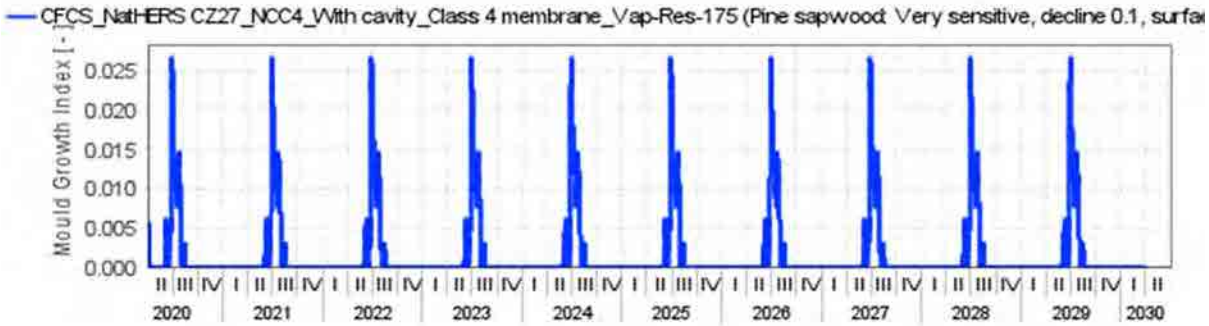

Figure 6: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

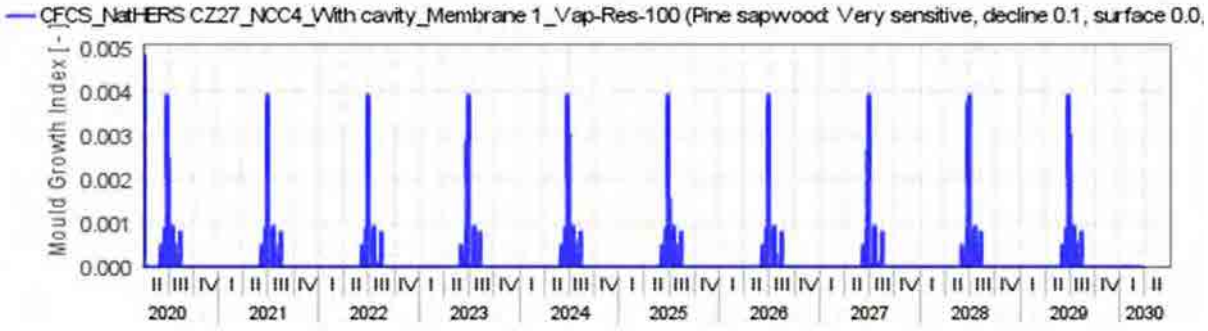

Figure 7: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

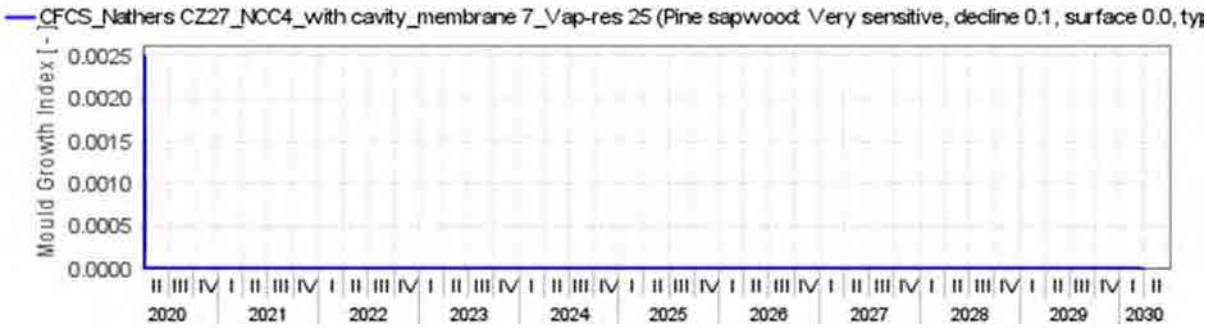

Figure 8: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

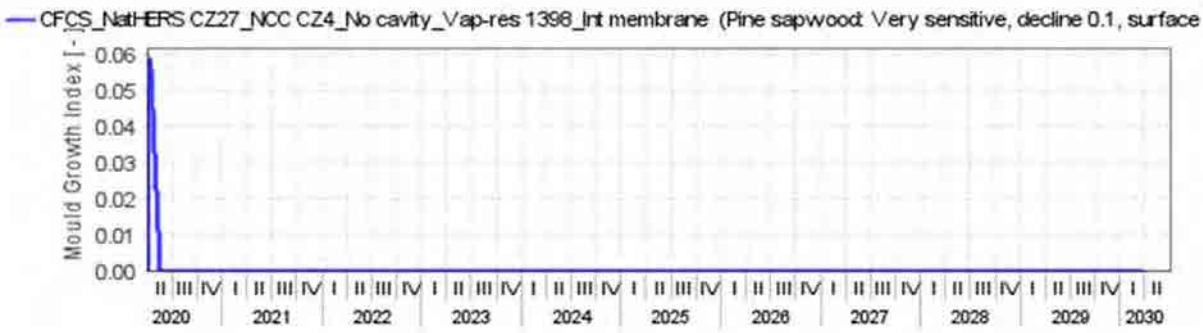

Figure 9: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

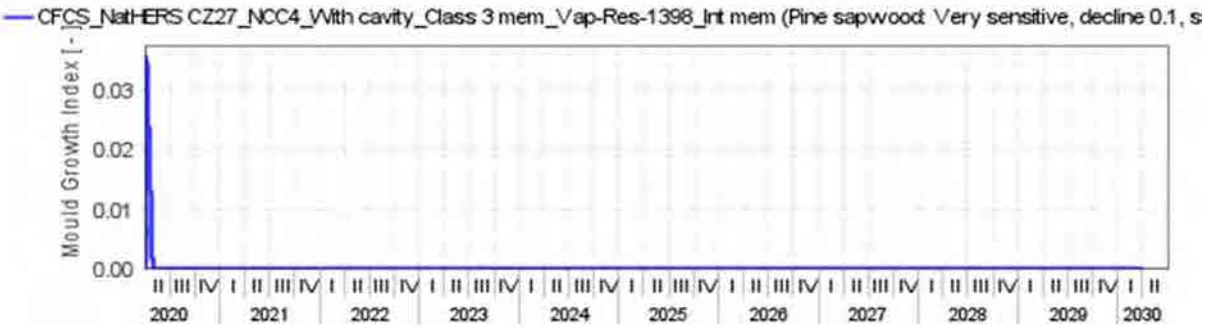

Figure 10: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

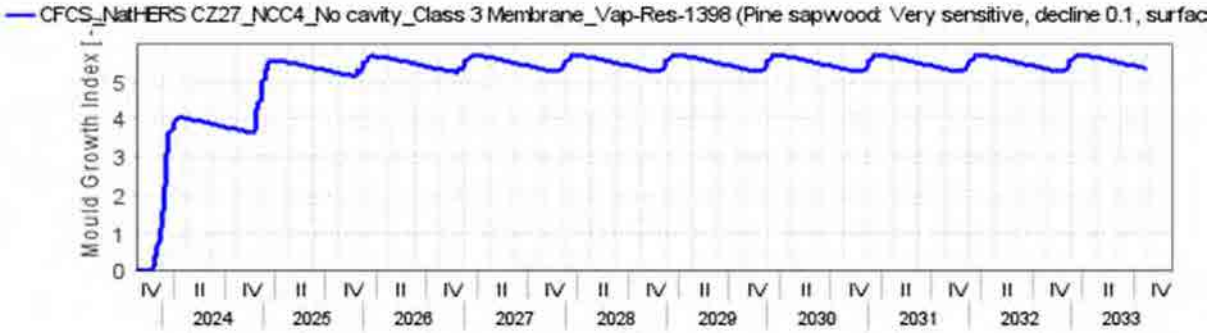

Figure 11: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

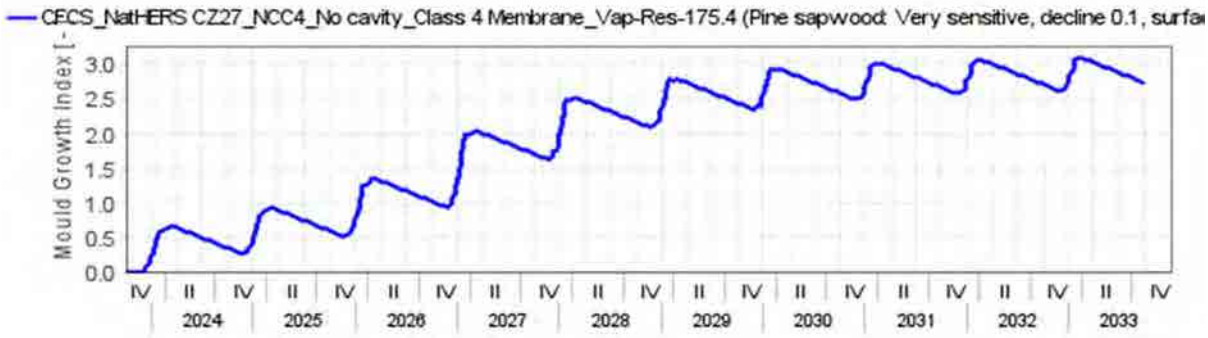

Figure 12: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

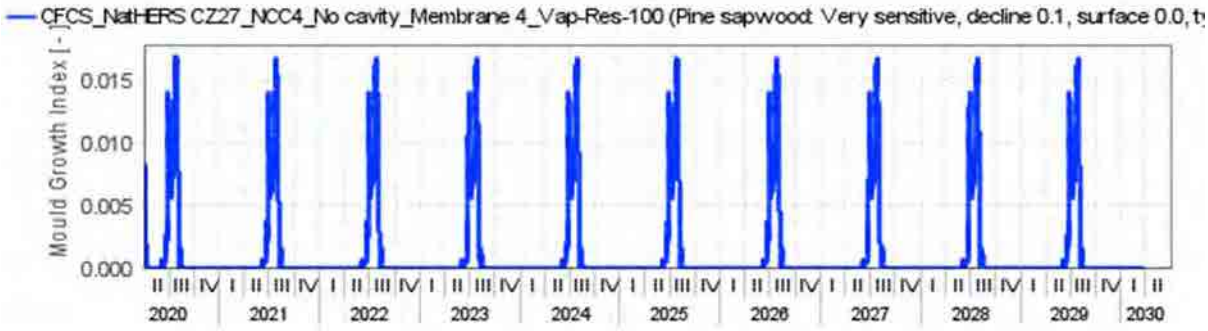

Figure 13: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

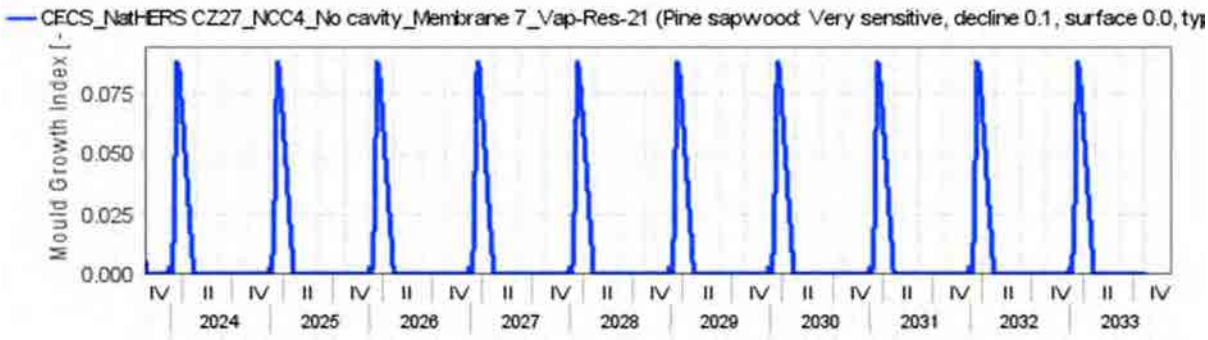

Figure 14: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

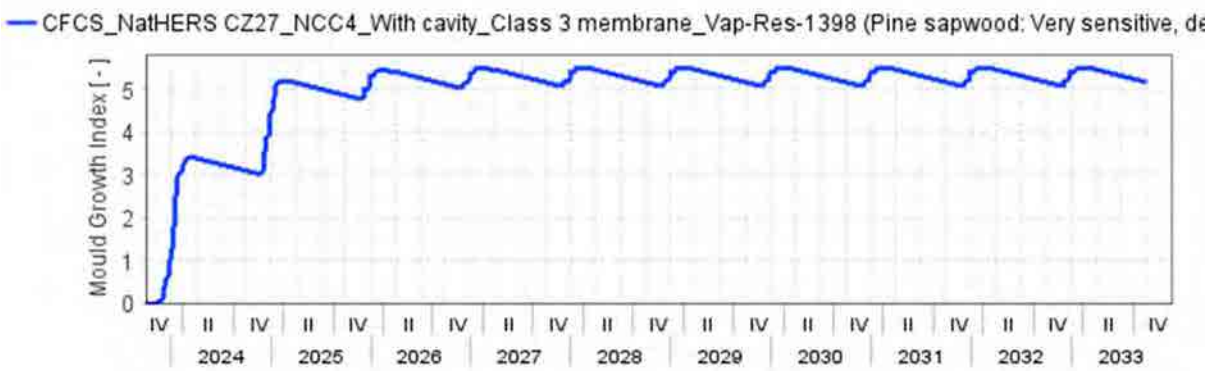

Figure 15: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

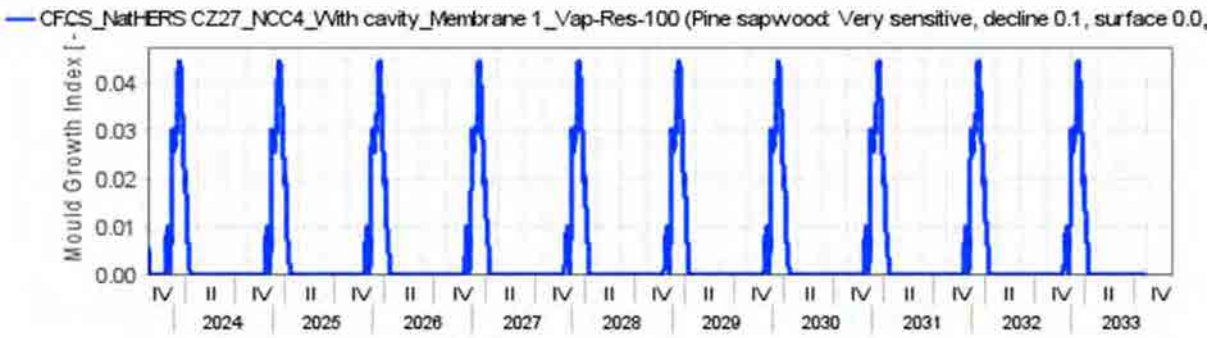

Figure 16: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

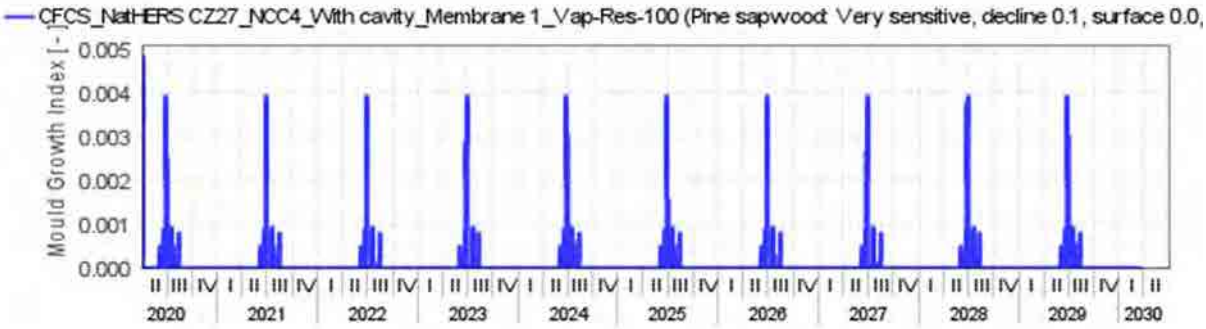

Figure 17: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

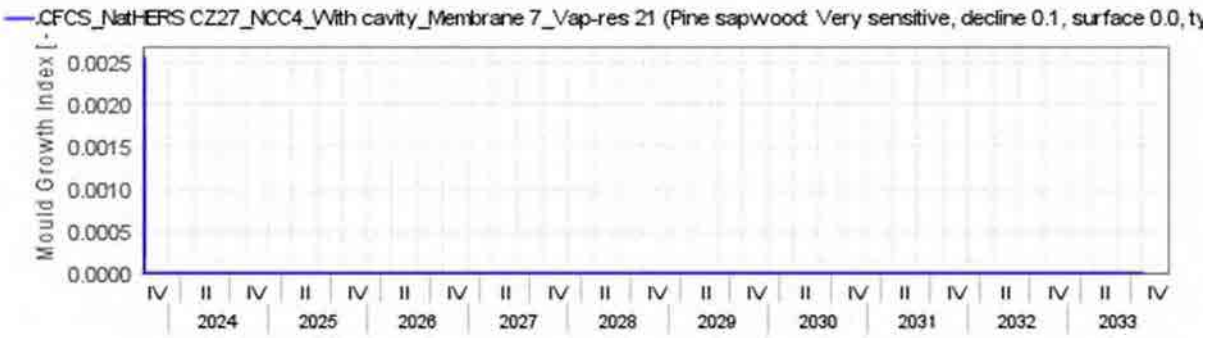

Figure 18: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

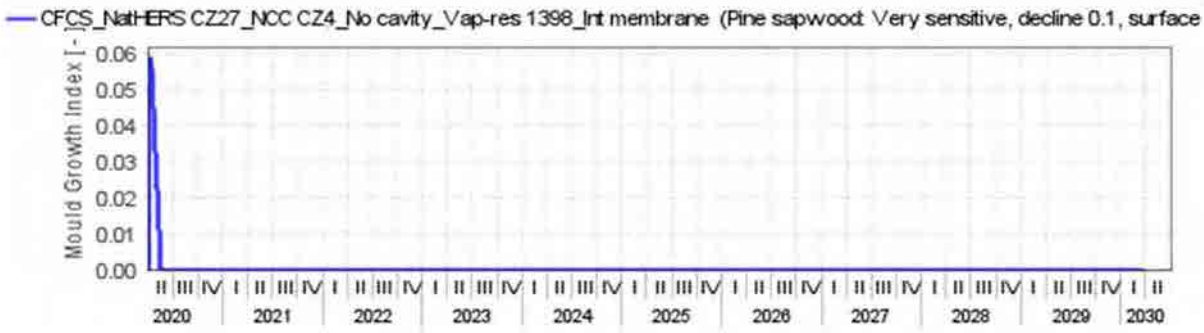

Figure 19: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

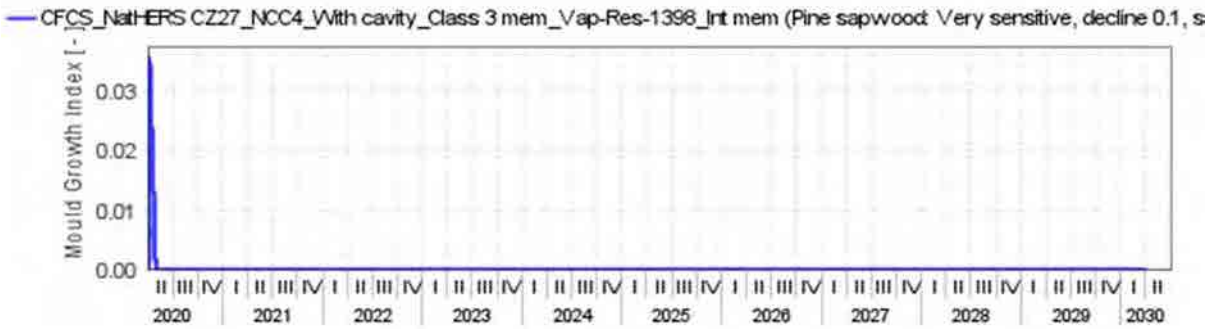

Figure 20: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

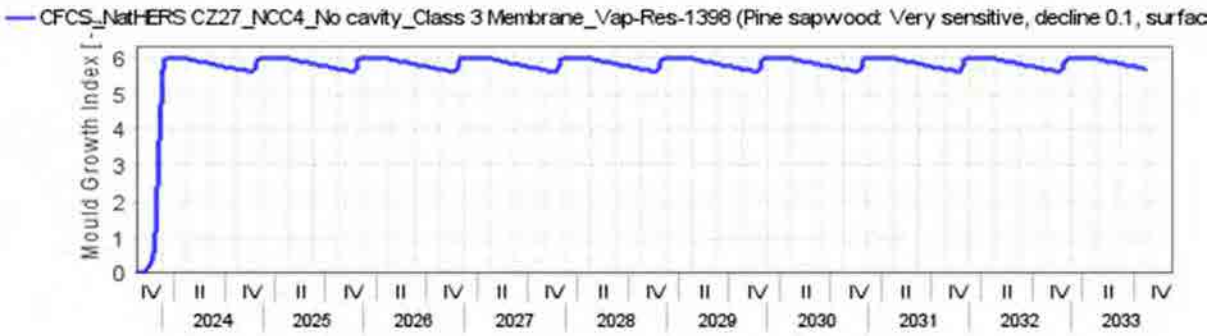

Figure 21: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

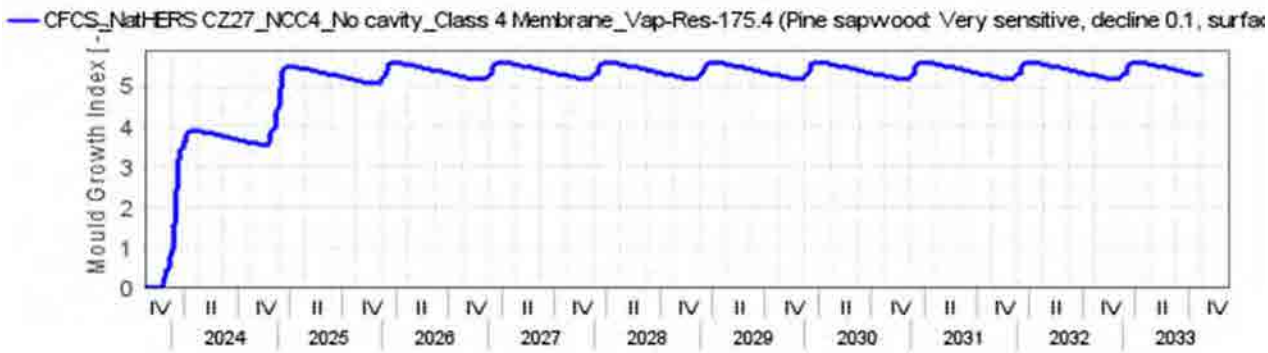

Figure 22: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

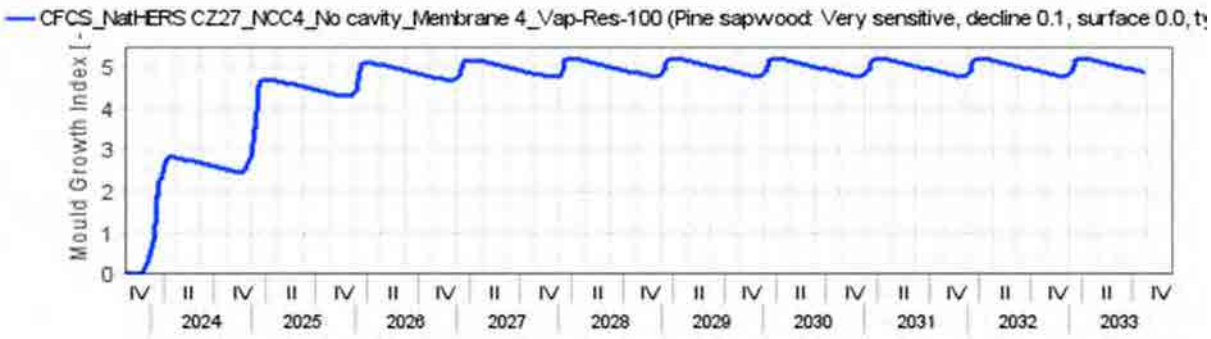

Figure 23: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

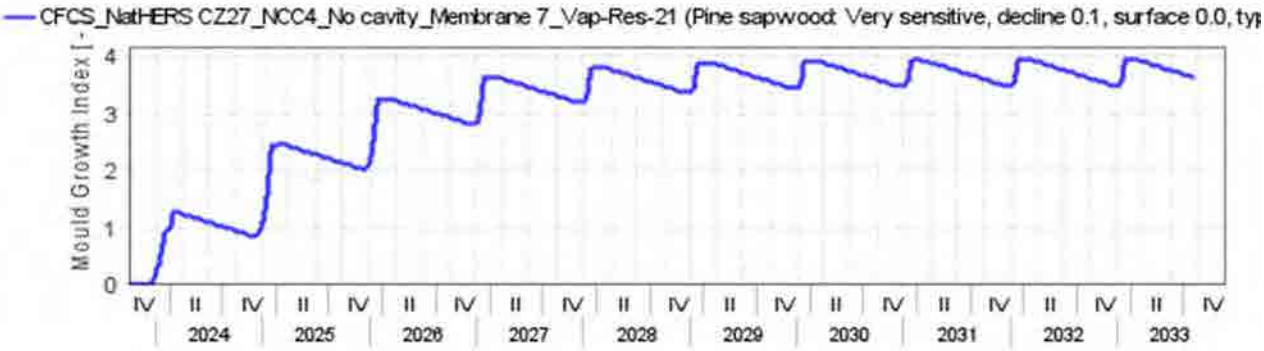

Figure 24: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

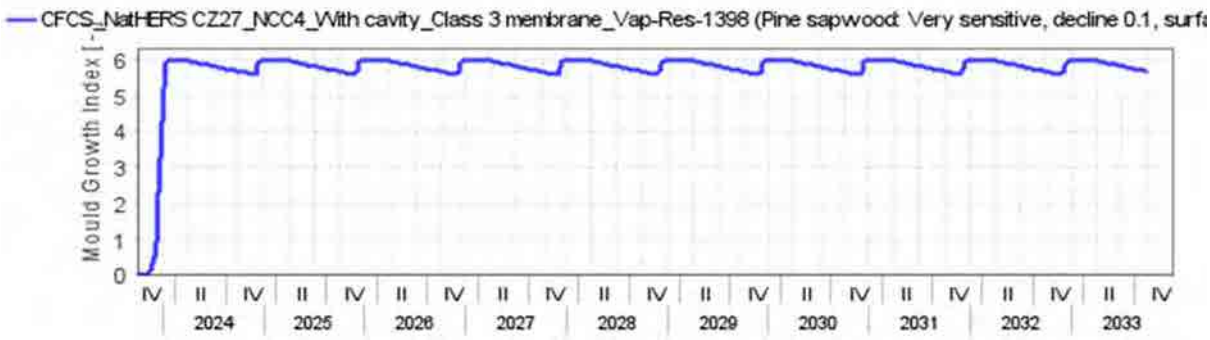

Figure 25: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 26: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

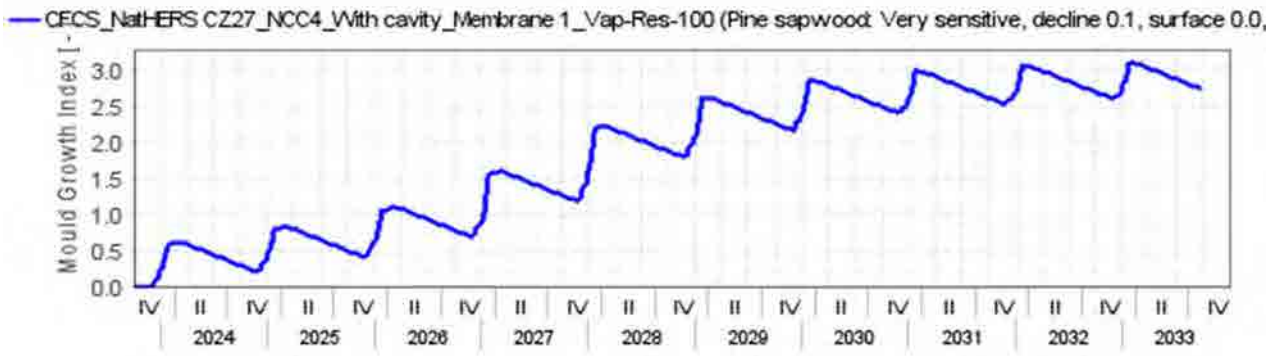

Figure 27: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

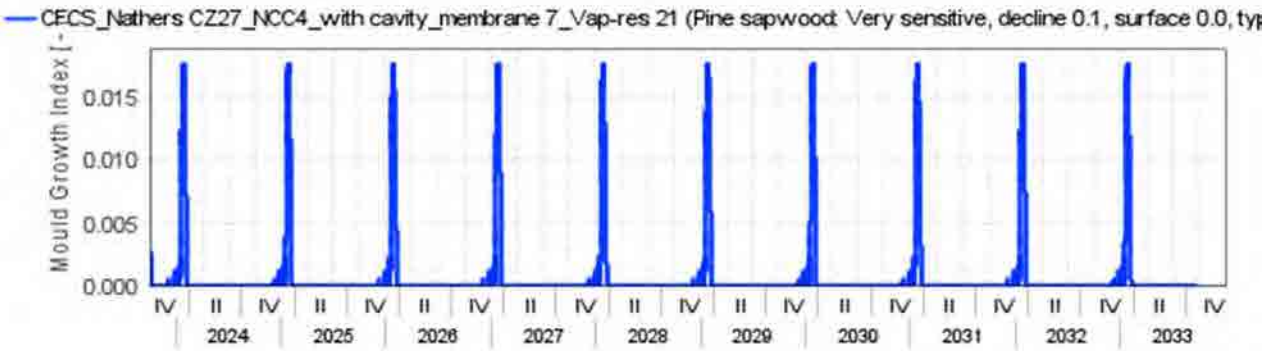

Figure 28: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

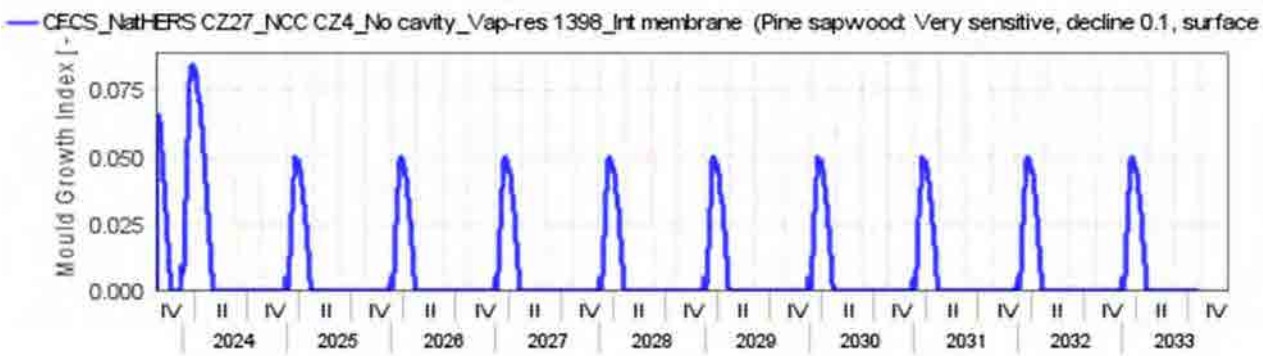

Figure 29: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

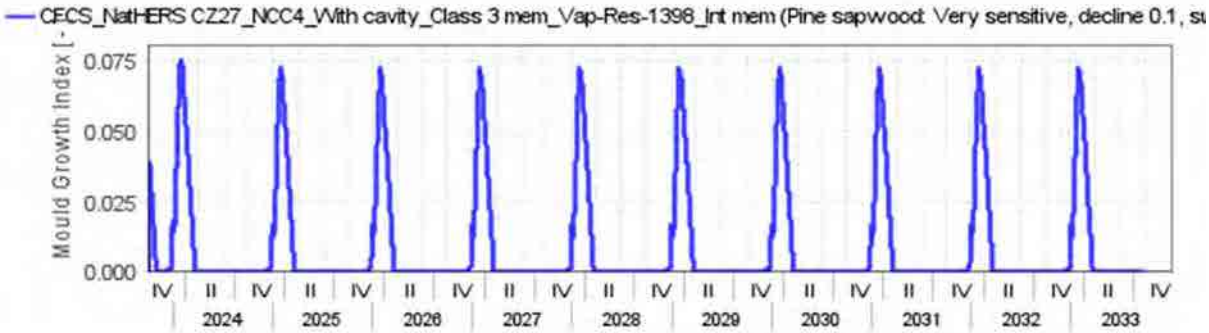

Figure 30: CFCS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

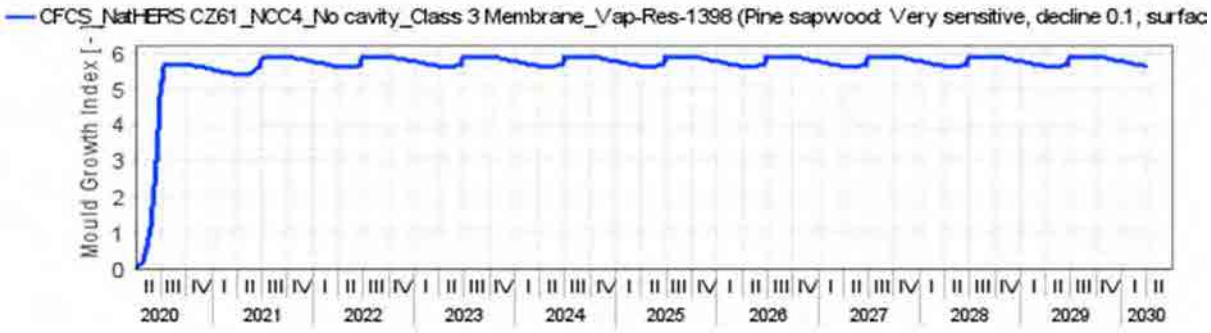

Figure 31: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

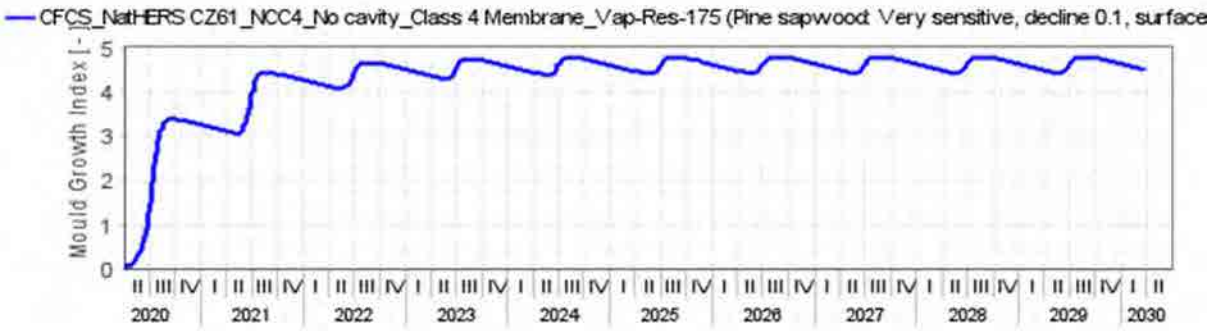

Figure 32: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 33: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

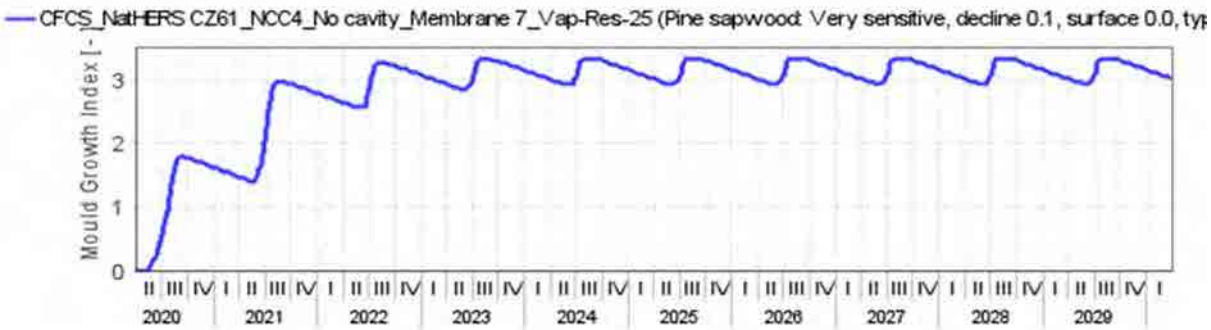

Figure 34: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

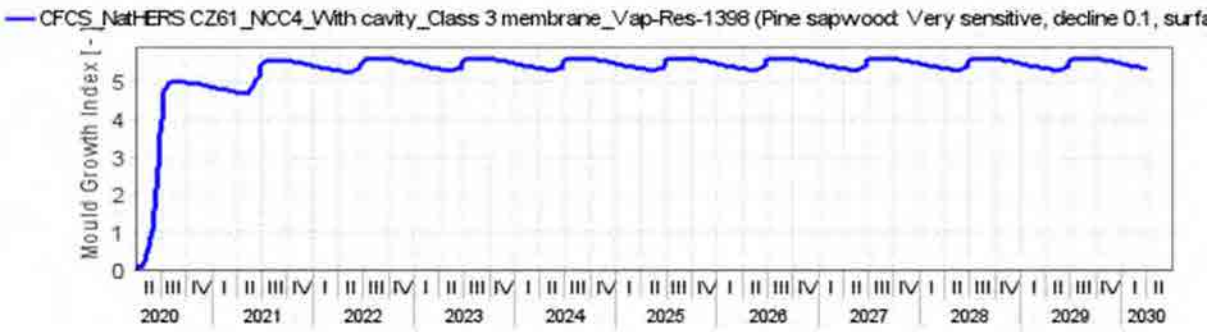

Figure 35: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

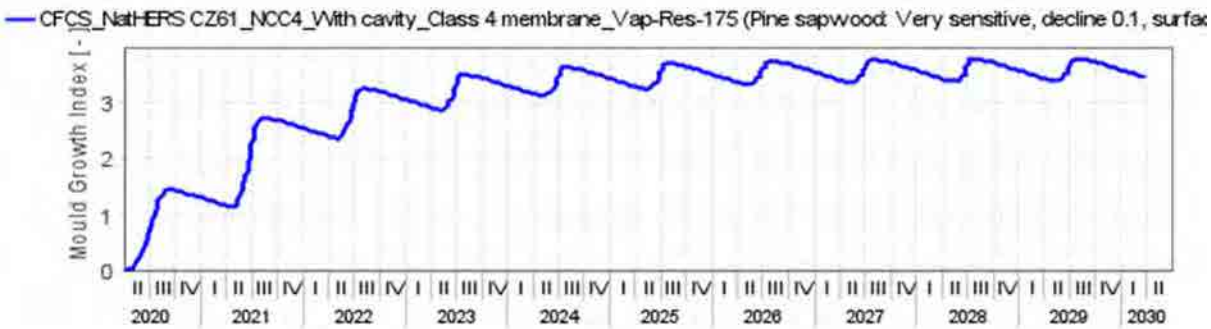

Figure 36: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

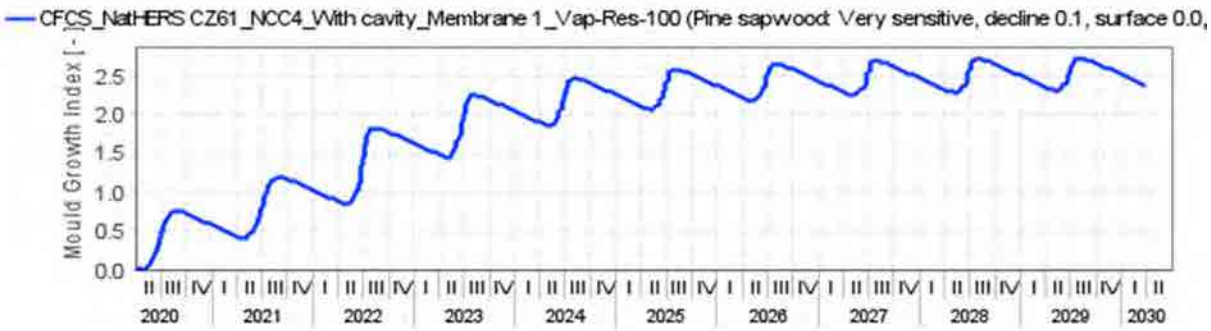

Figure 37: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

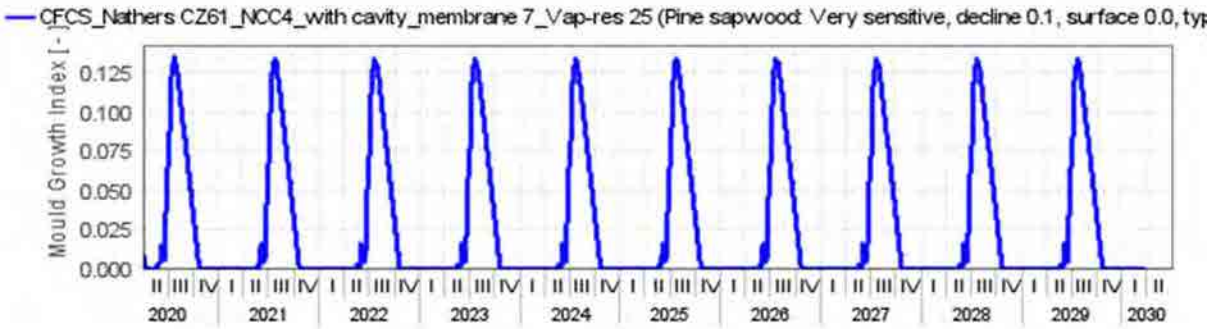

Figure 38: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

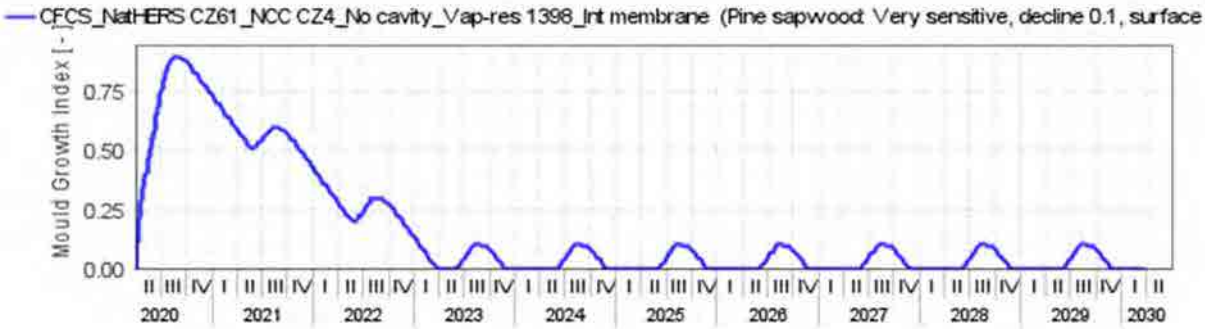

Figure 39: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

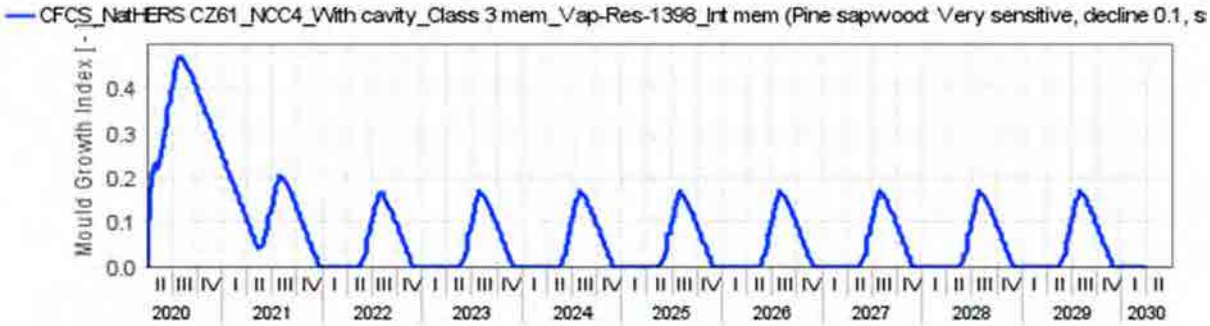

Figure 40: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

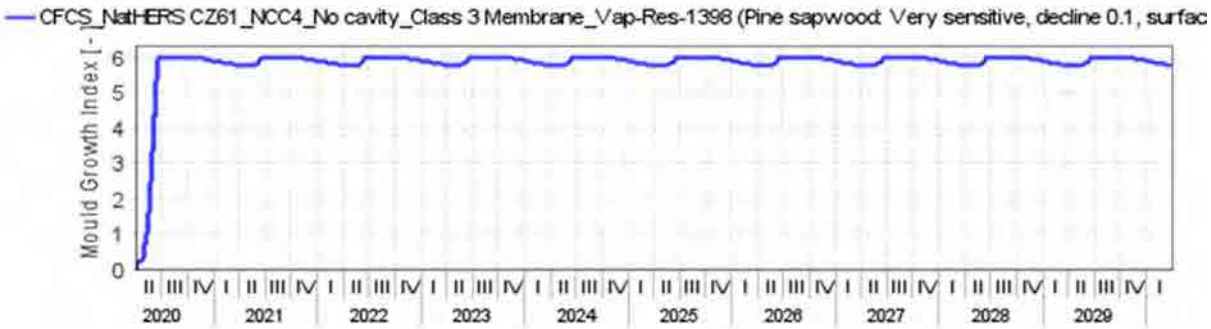

Figure 41: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

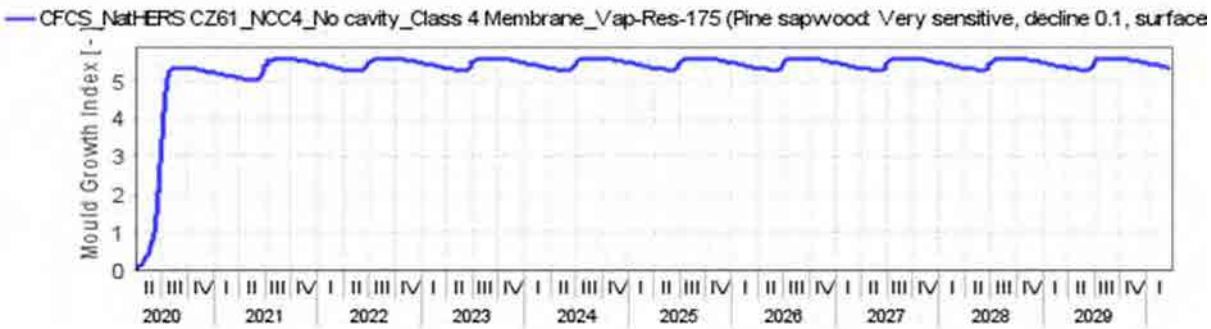

Figure 42: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

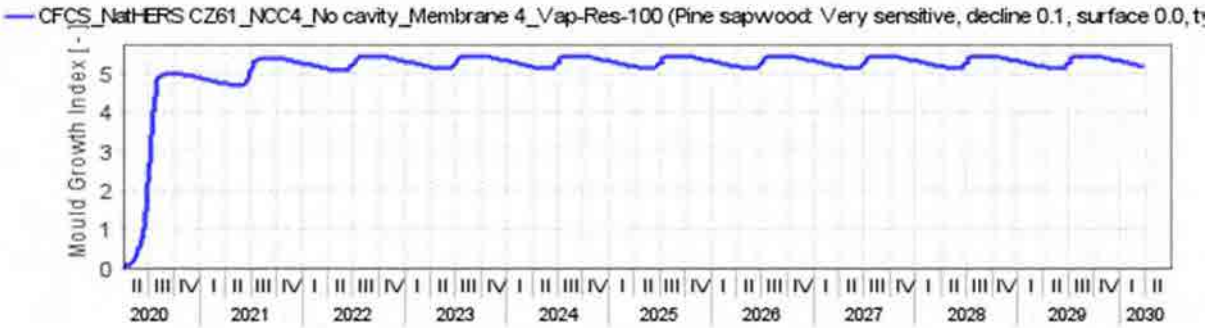

Figure 43: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

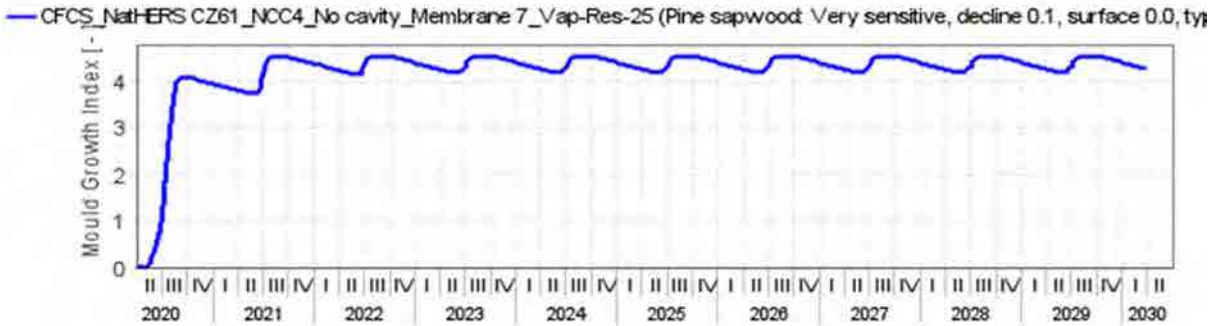

Figure 44: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

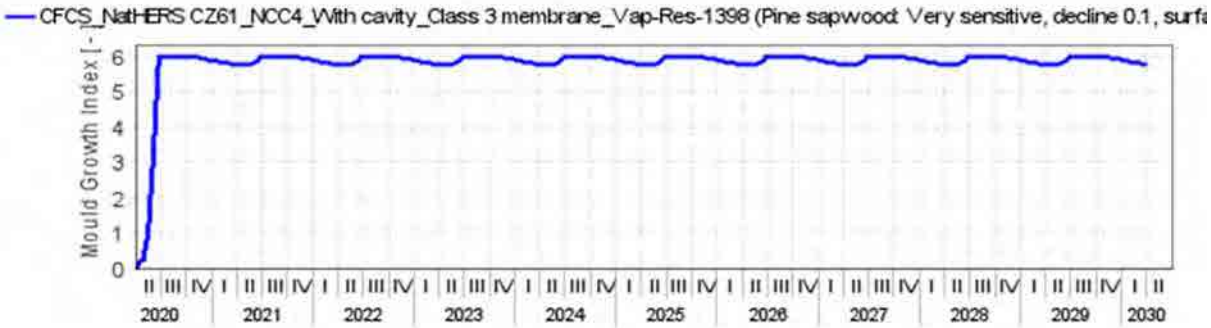

Figure 45: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

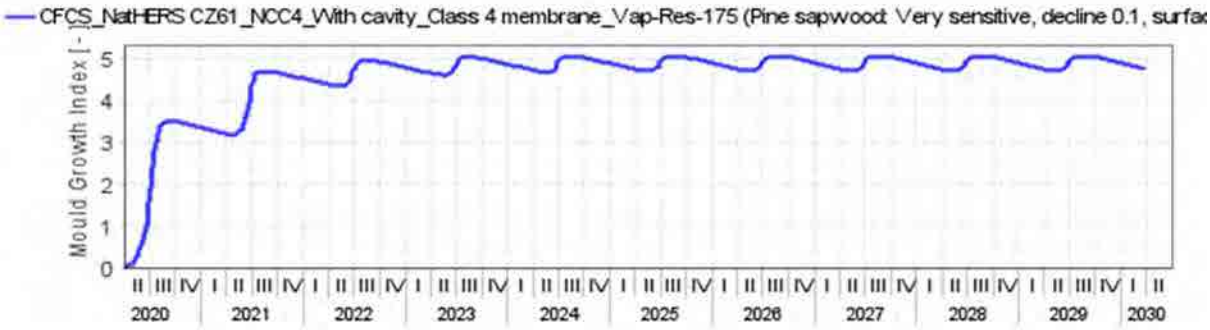

Figure 46: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

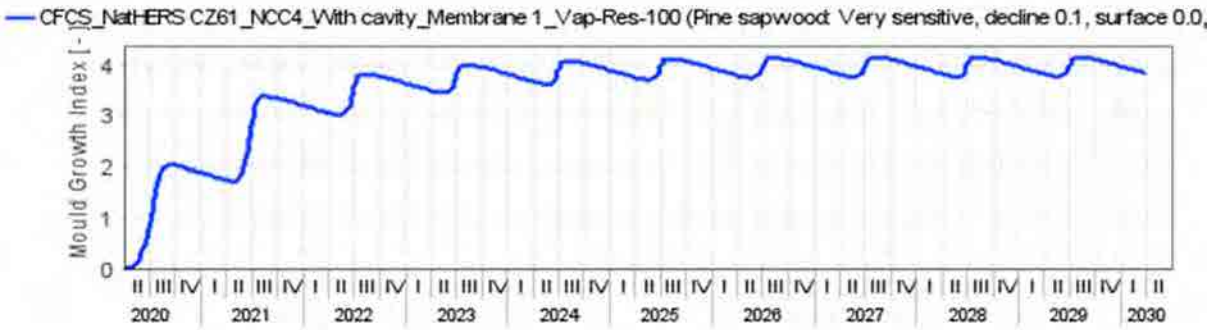

Figure 47: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

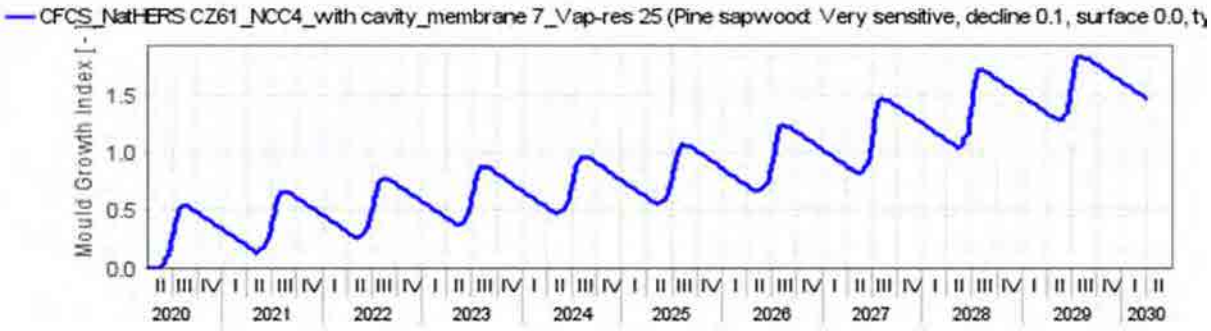

Figure 48: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

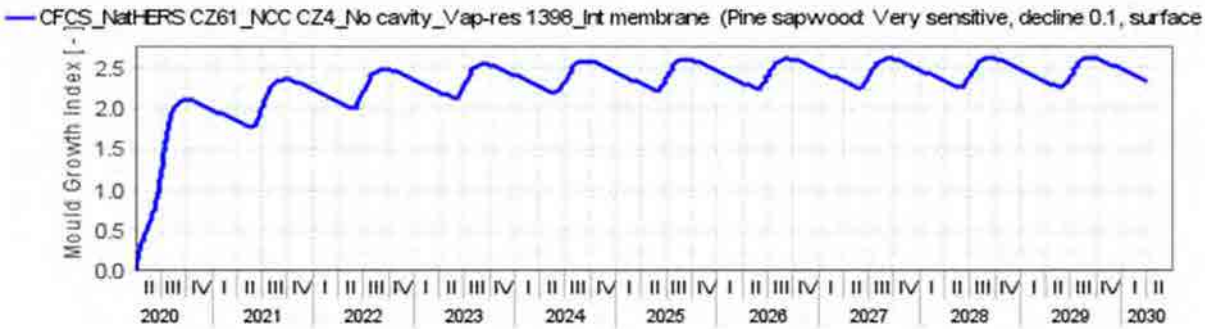

Figure 49: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

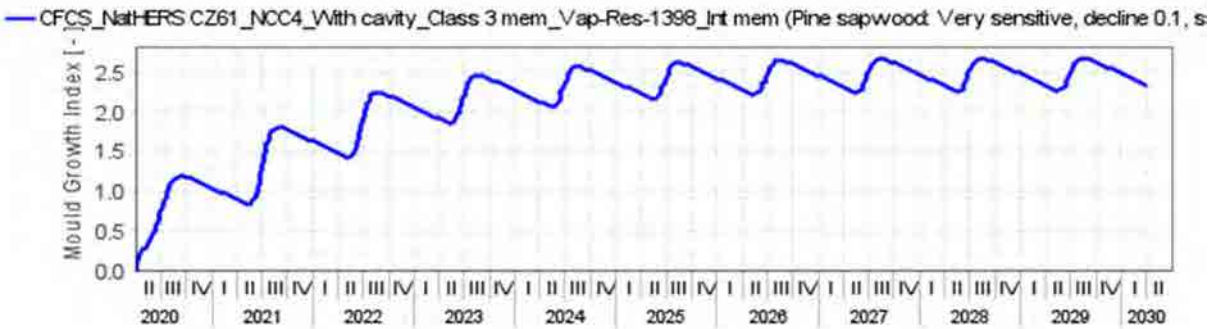

Figure 50: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

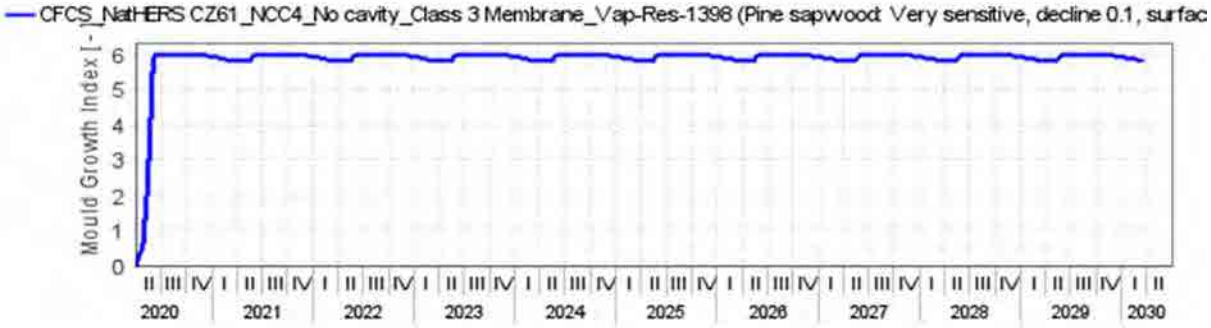

Figure 51: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

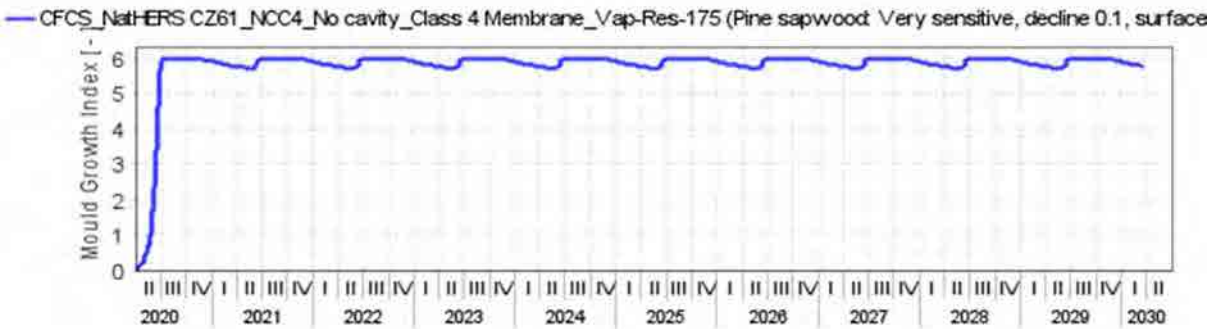

Figure 52: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

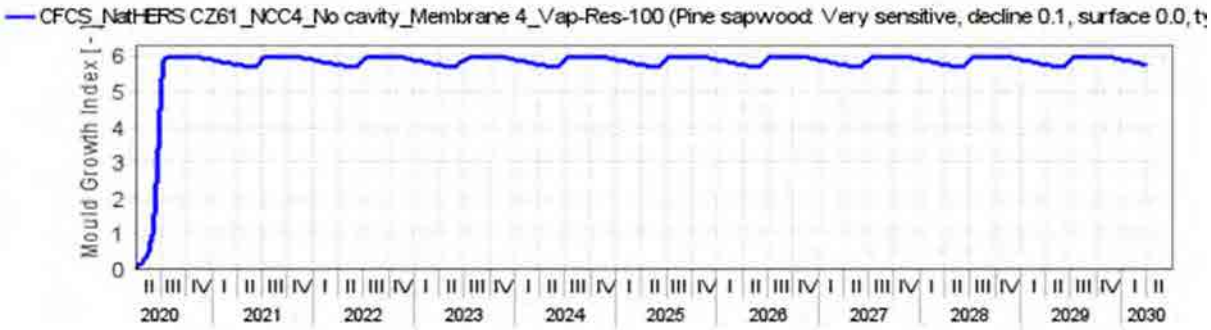

Figure 53: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

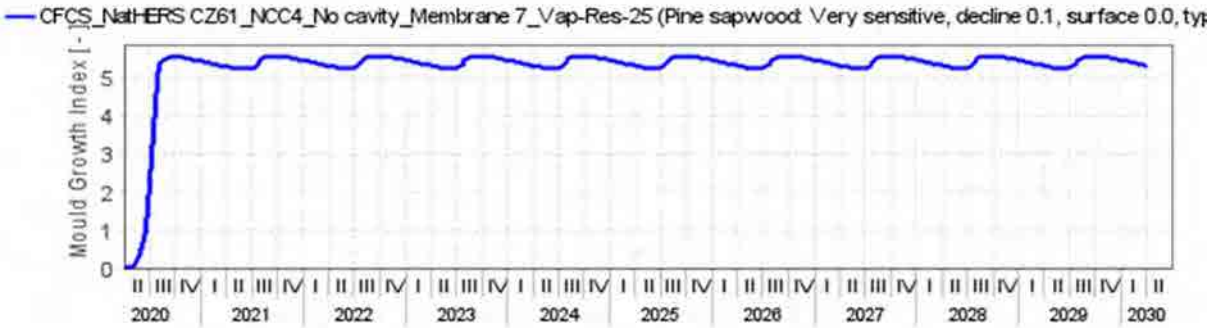

Figure 54: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

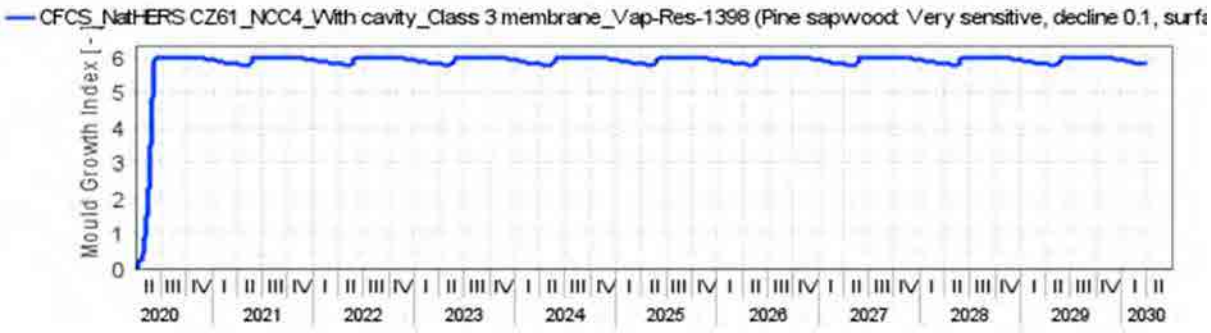

Figure 55: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

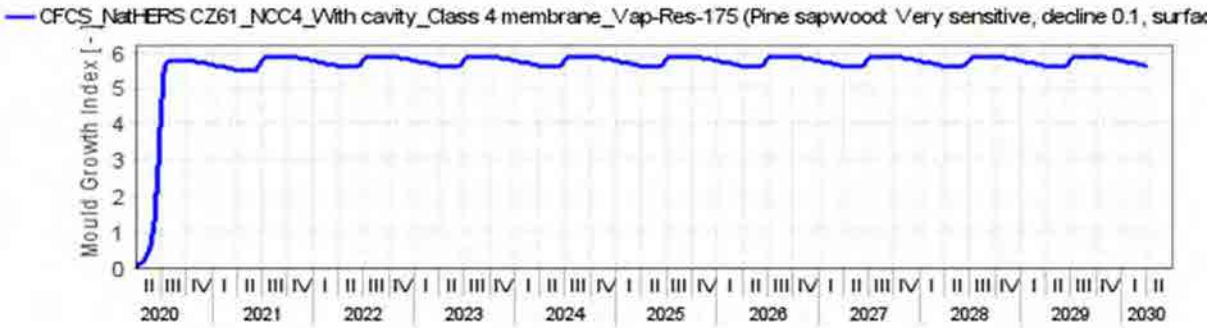

Figure 56: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

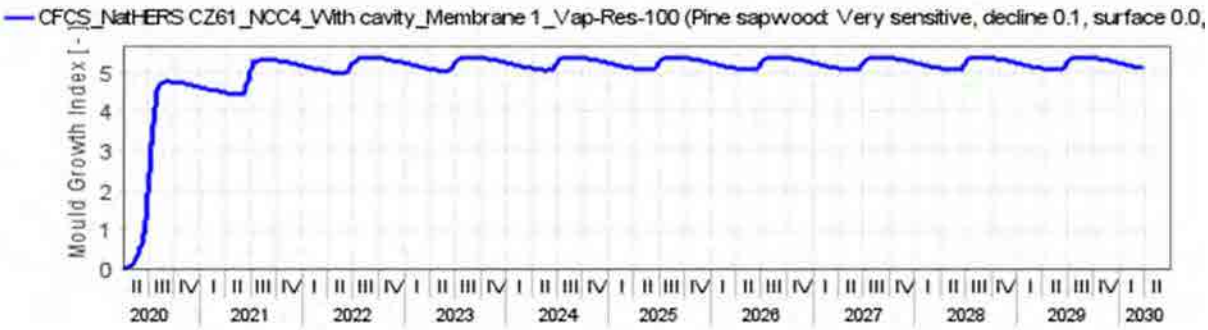

Figure 57: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

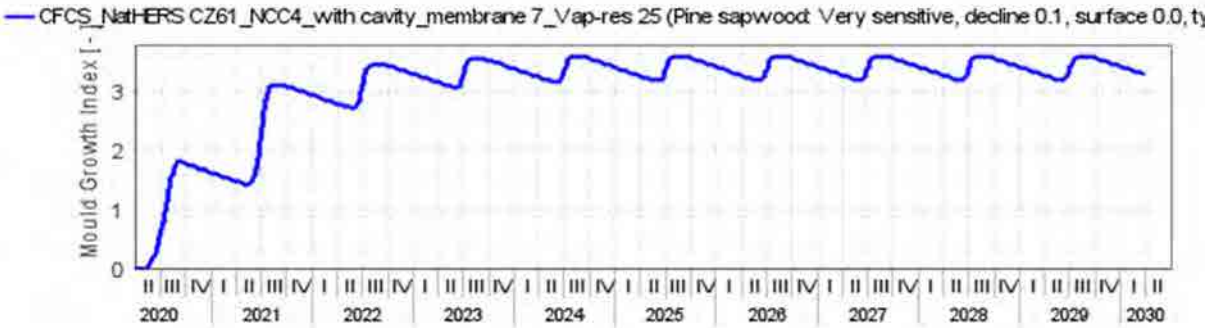

Figure 58: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

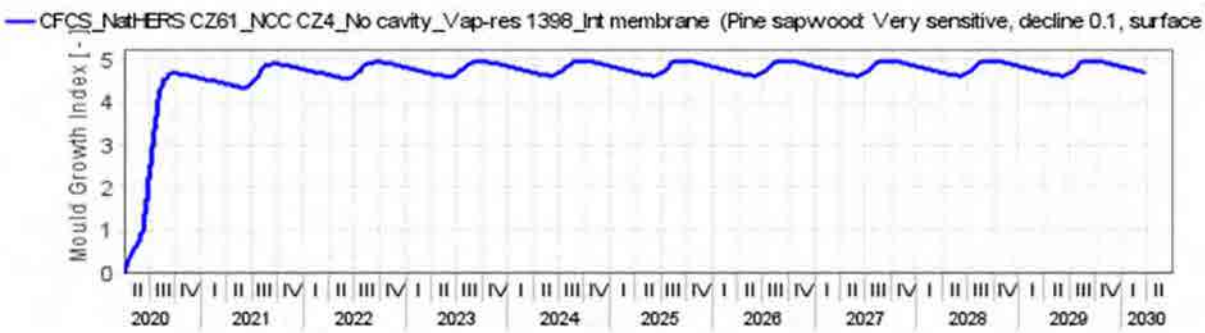

Figure 59: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

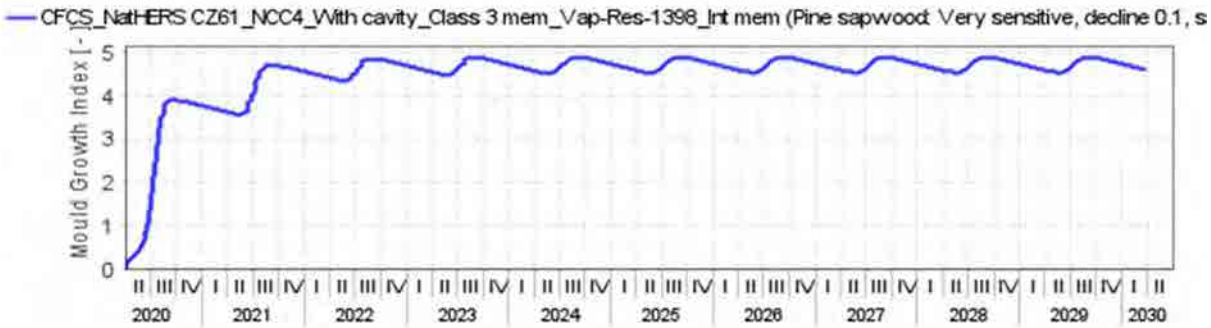

Figure 60: CFCS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

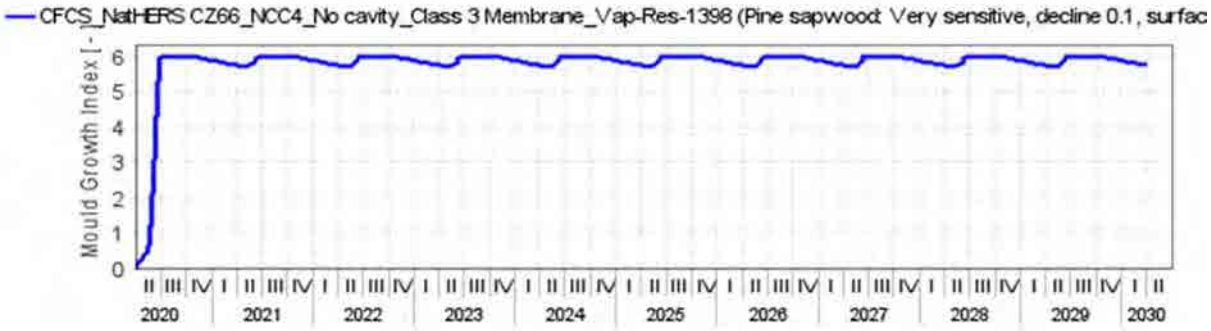

Figure 61: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

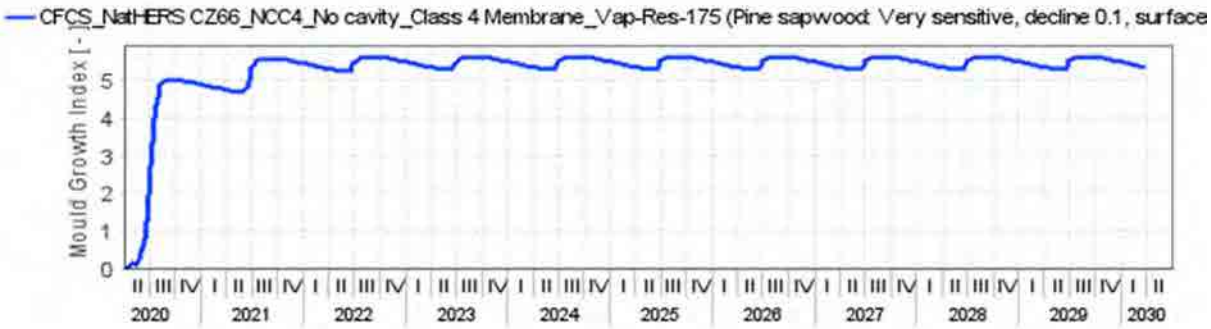

Figure 62: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

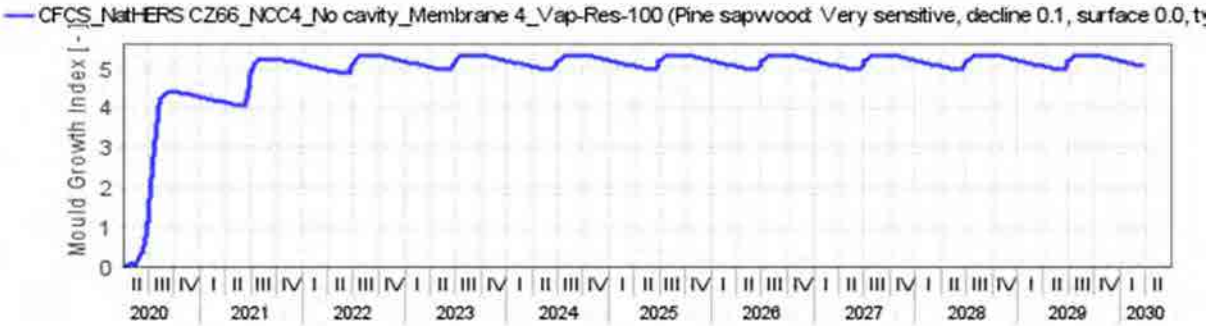

Figure 63: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

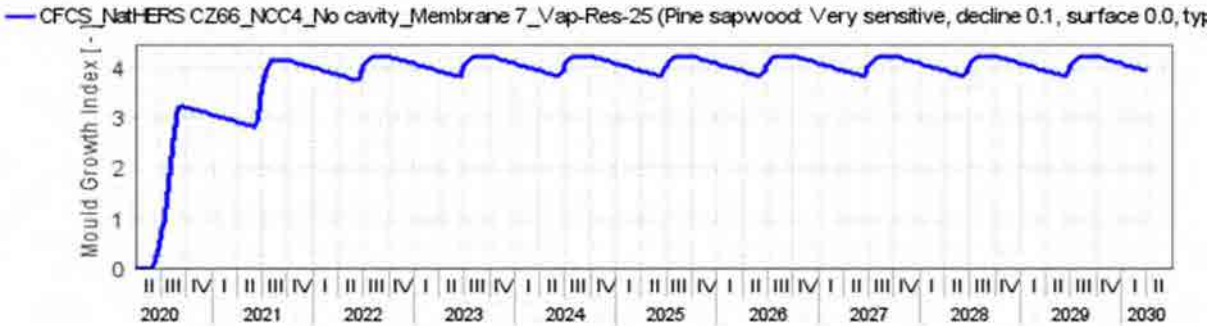

Figure 64: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

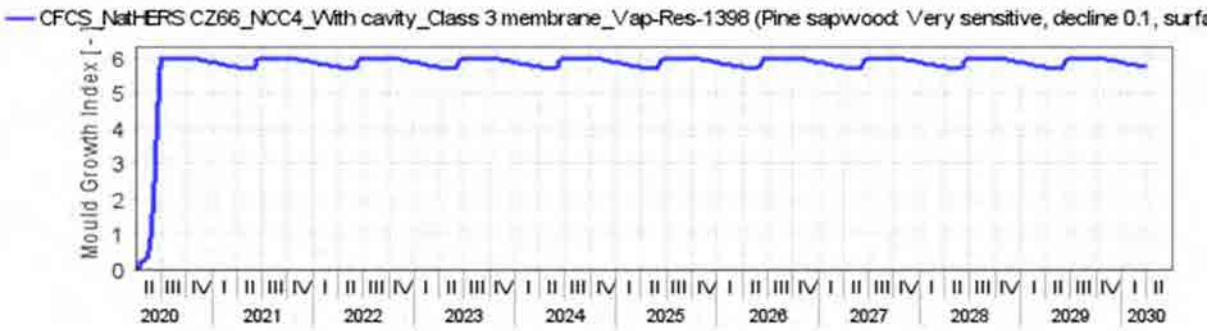

Figure 65: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

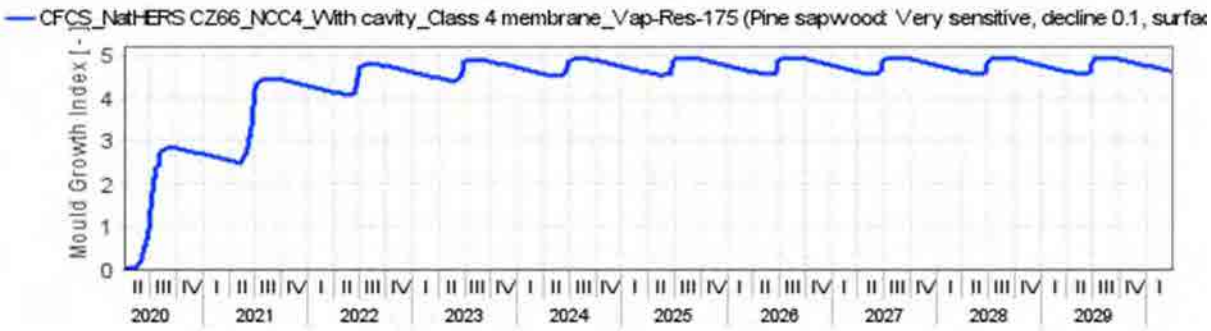

Figure 66: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

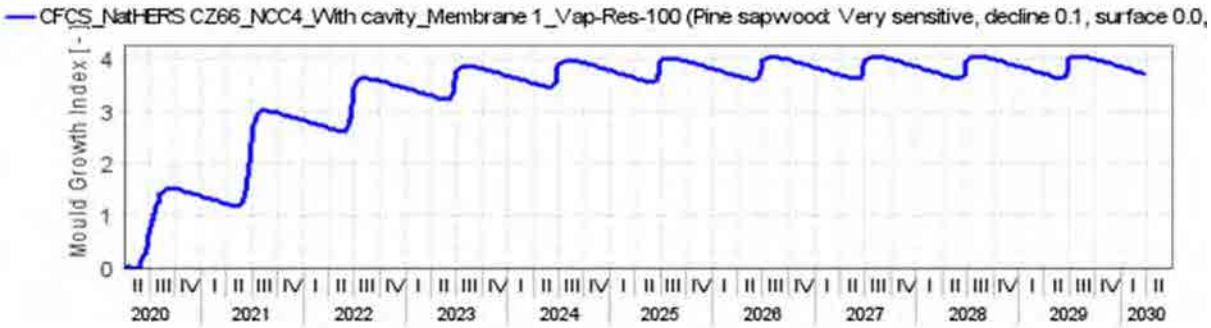

Figure 67: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

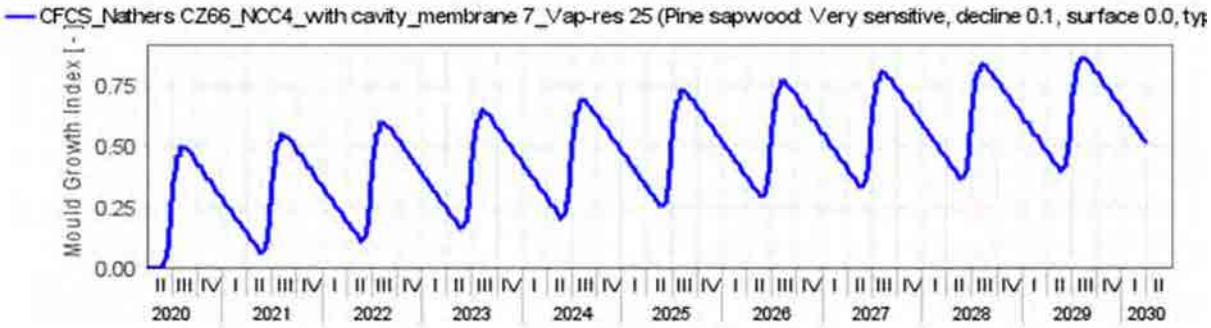

Figure 68: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

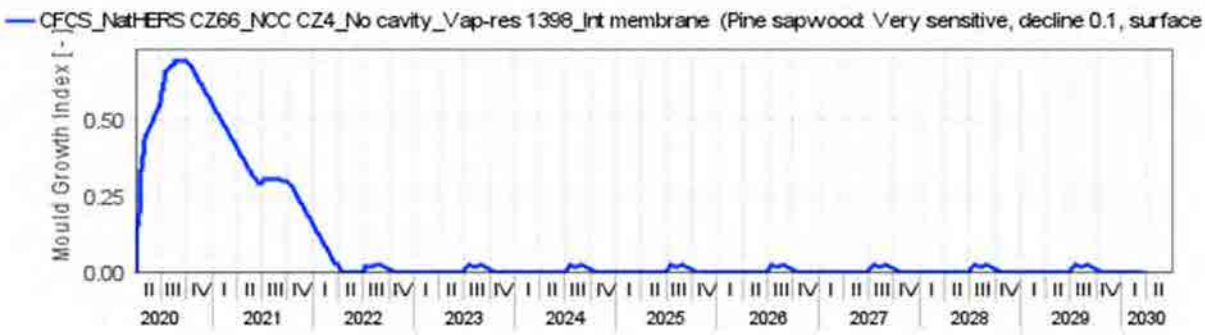

Figure 69: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

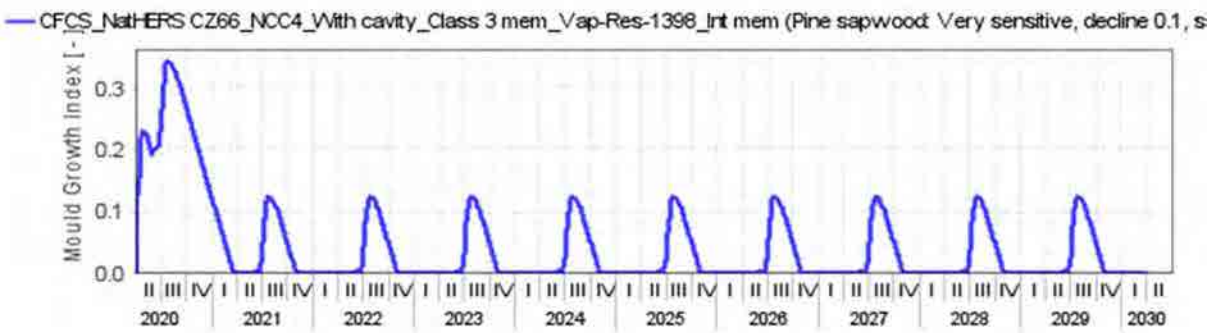

Figure 70: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

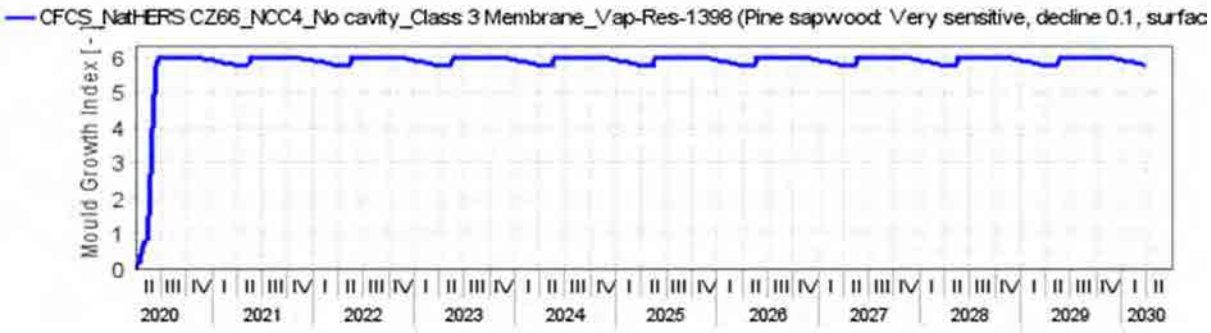

Figure 71: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

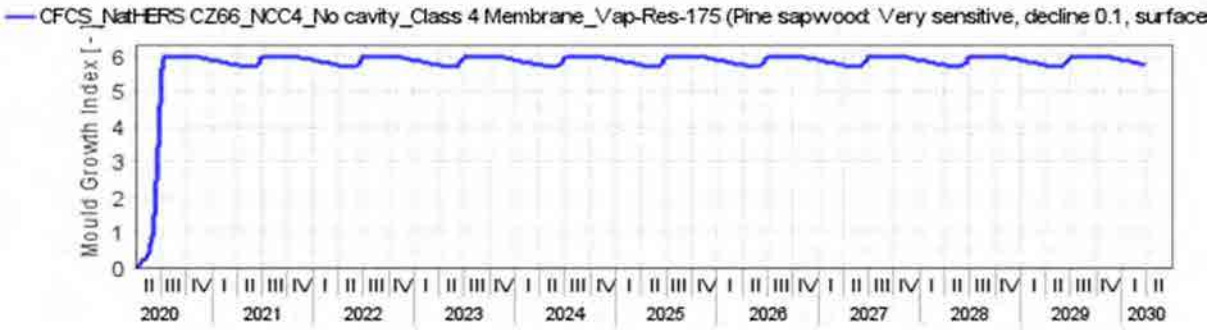

Figure 72: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

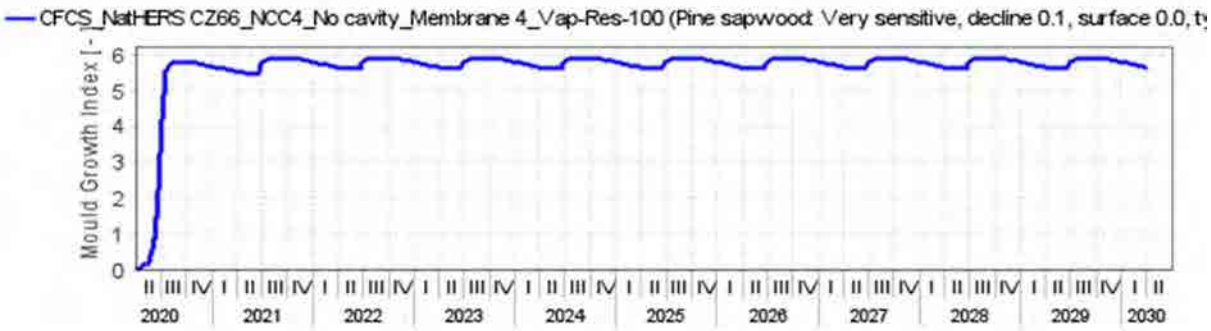

Figure 73: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

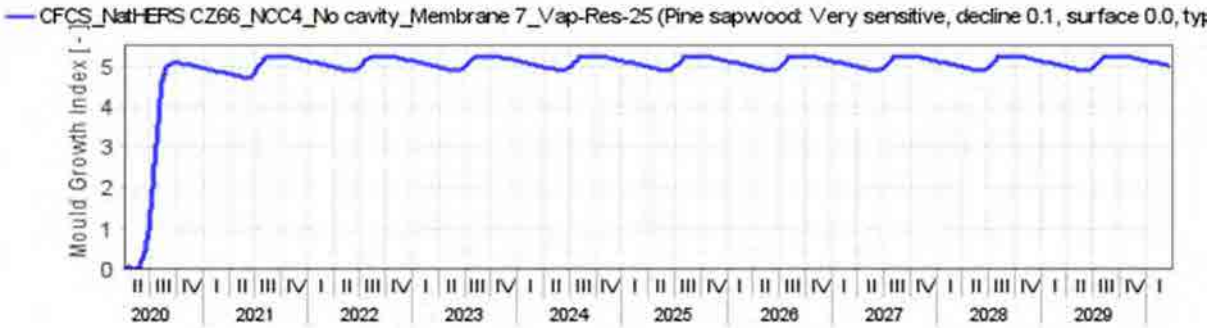

Figure 74: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

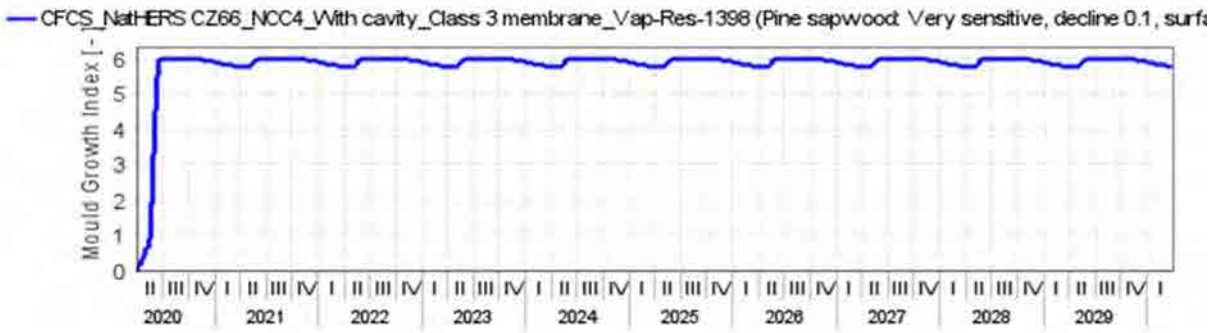

Figure 75: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

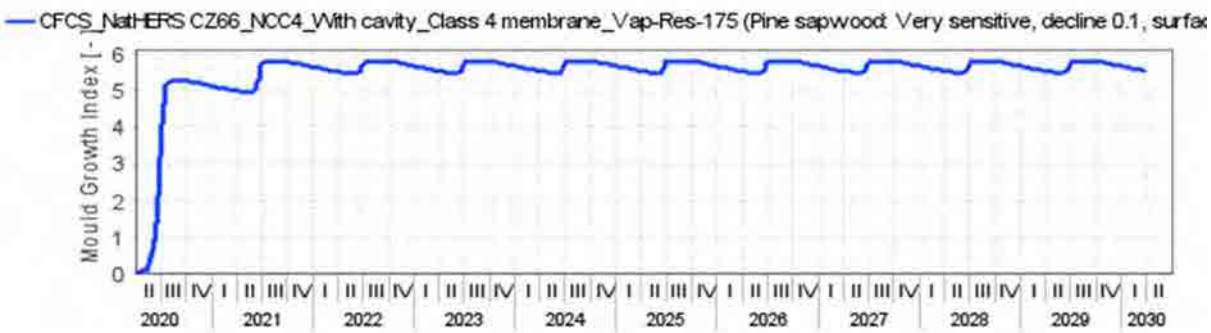

Figure 76: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

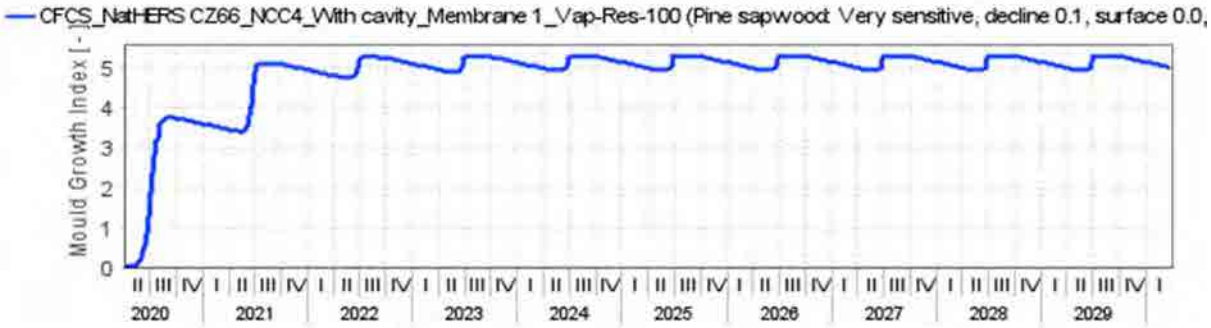

Figure 77: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 78: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

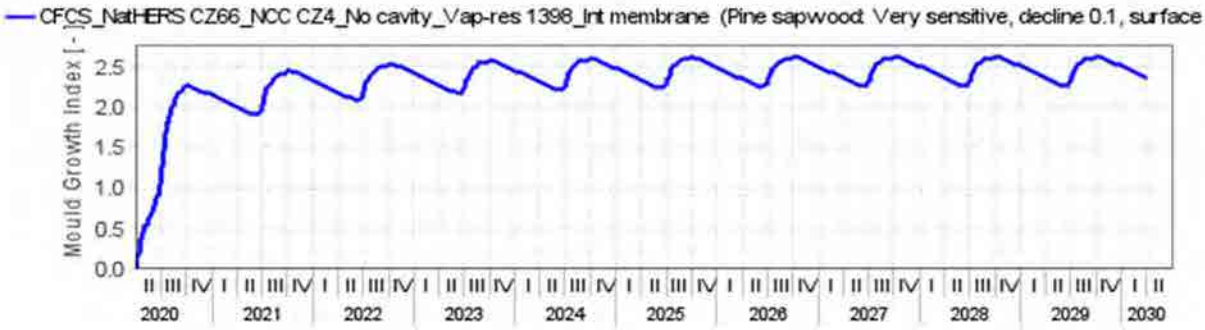

Figure 79: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

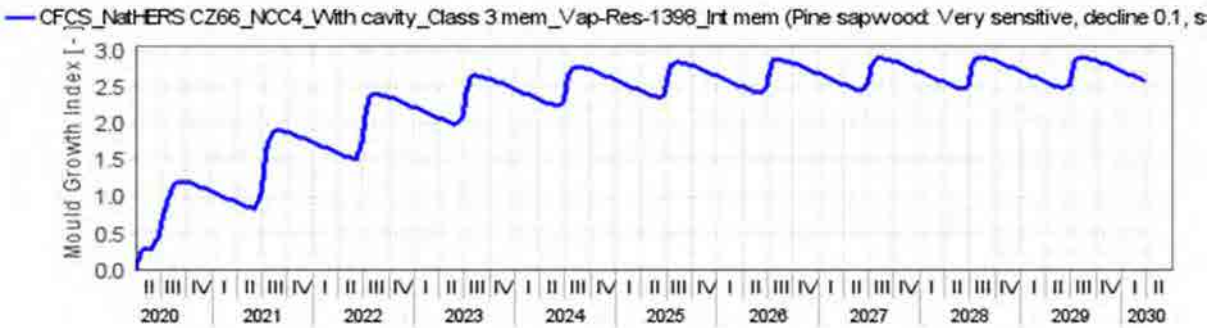

Figure 80: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

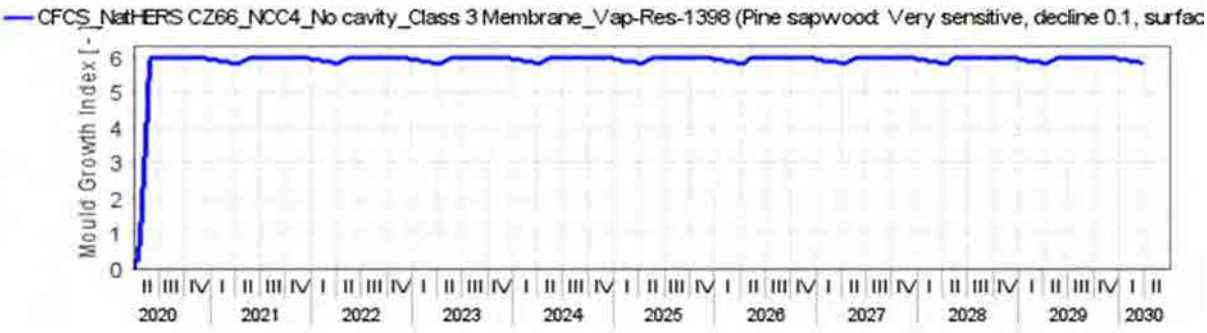

Figure 81: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

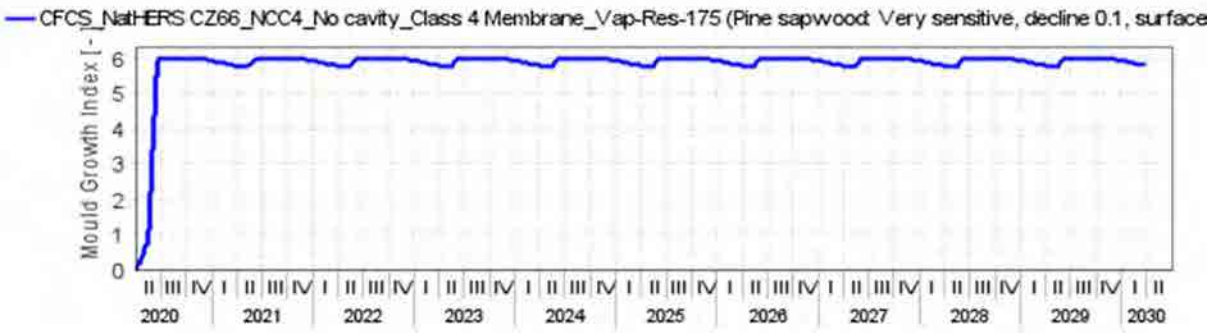

Figure 82: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

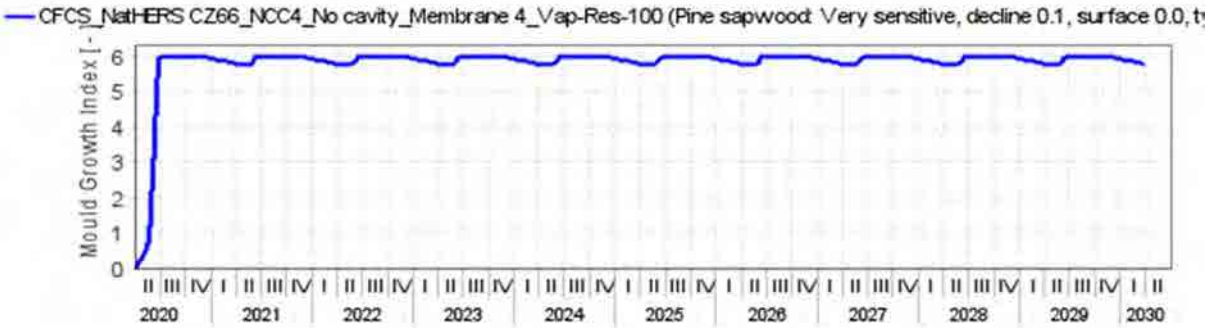

Figure 83: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 84: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

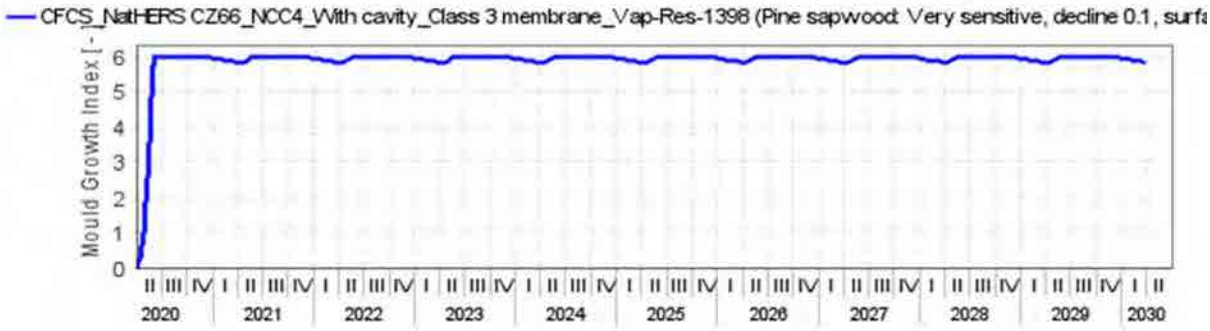

Figure 85: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

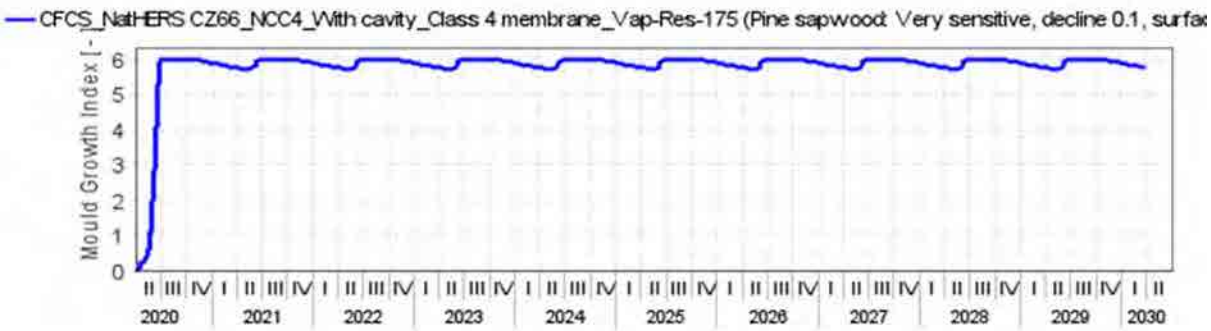

Figure 86: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

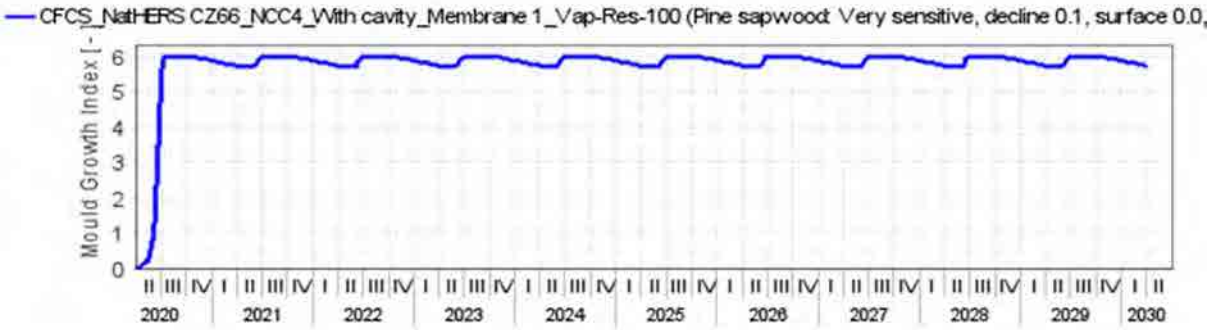

Figure 87: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 88: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

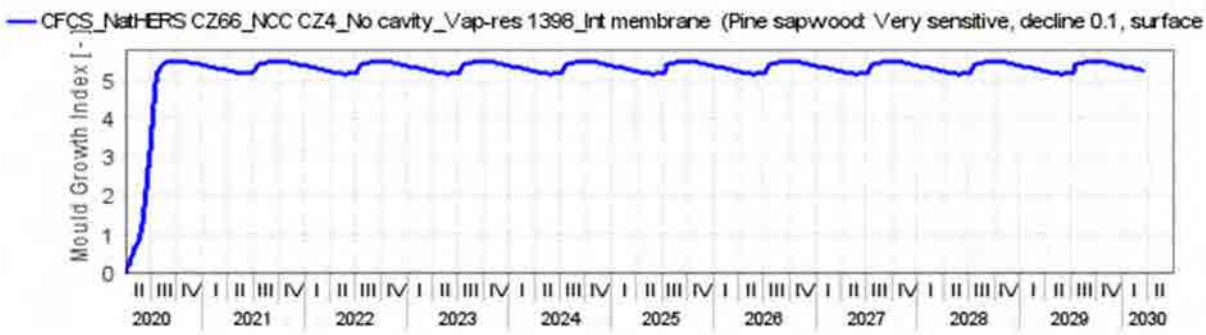

Figure 89: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

10. Cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

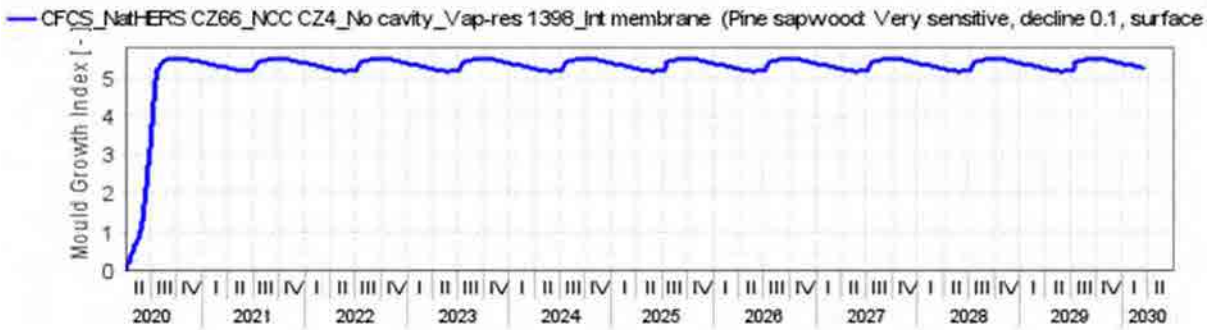

Figure 90: CFCS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NCC 6

NatHERS CZ 21, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

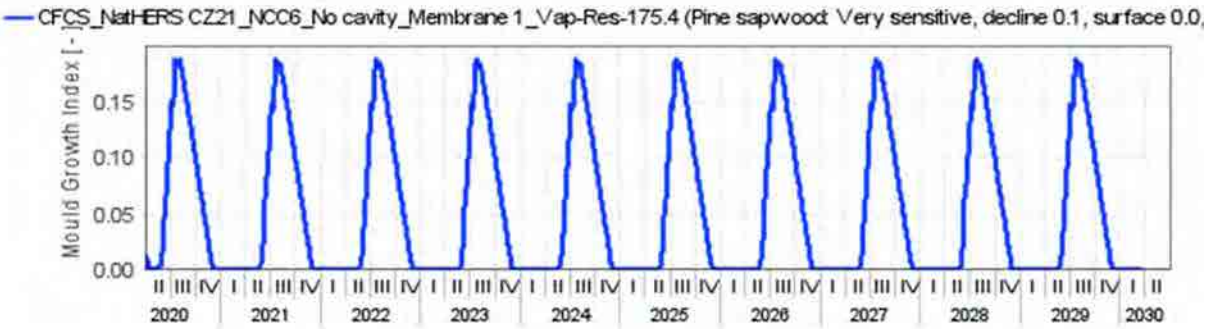

Figure 91: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

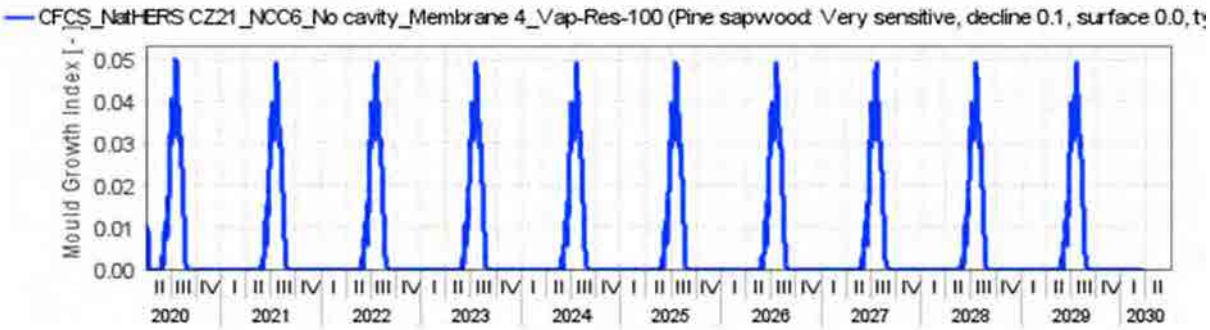

Figure 92: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

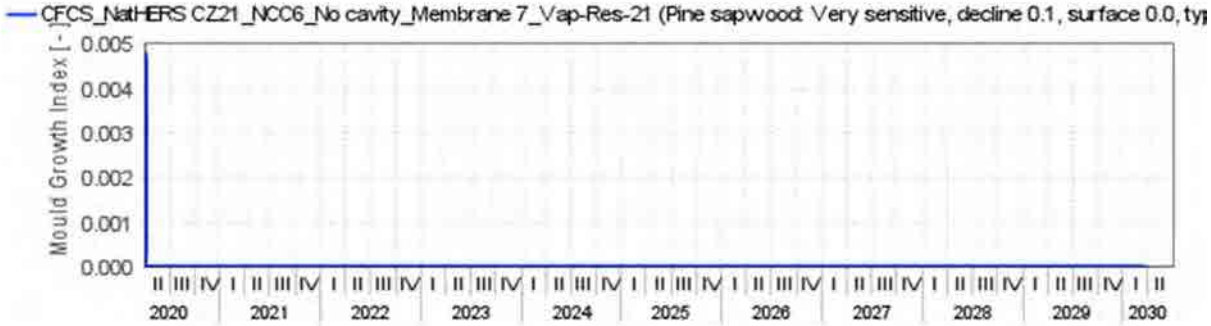

Figure 93: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

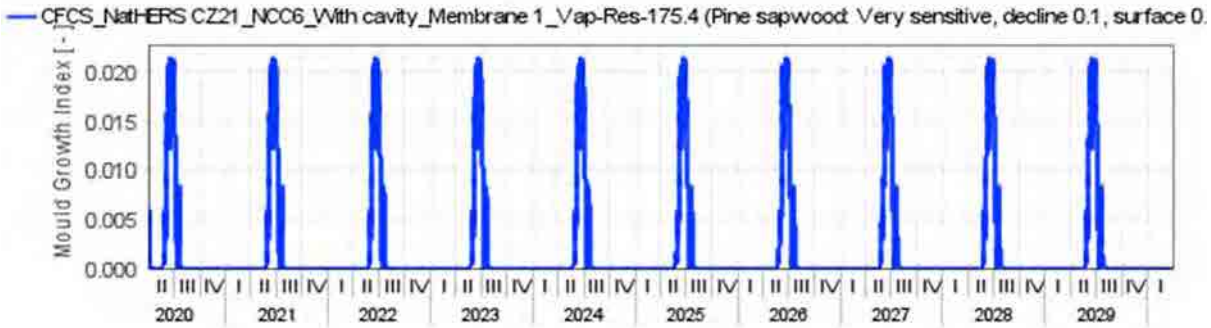

Figure 94: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

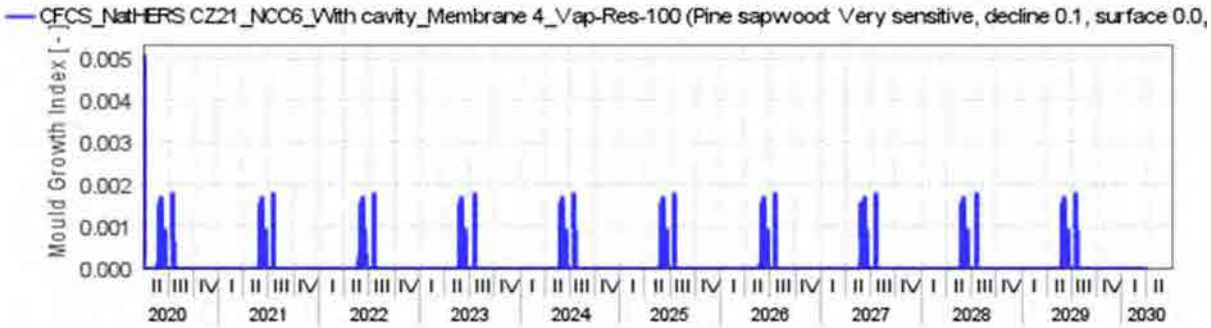

Figure 95: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

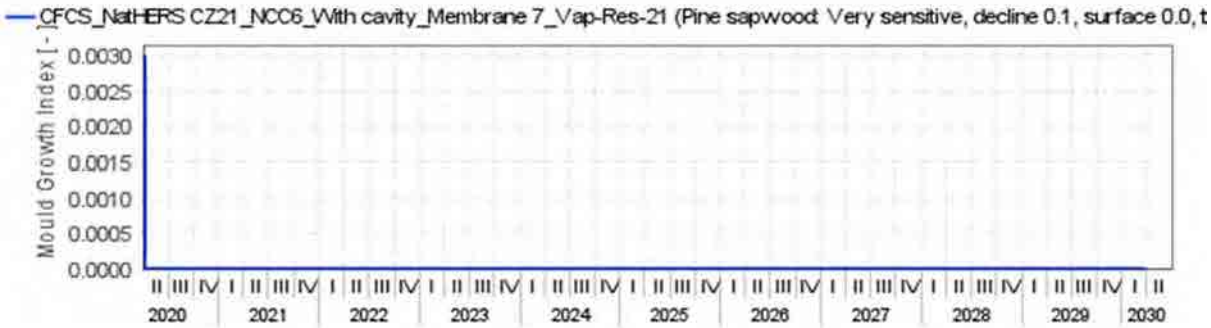

Figure 96 : CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

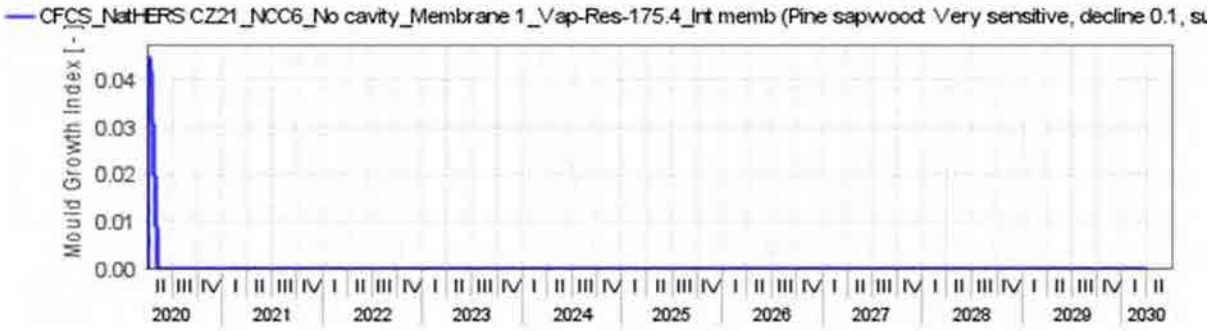

Figure 97: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

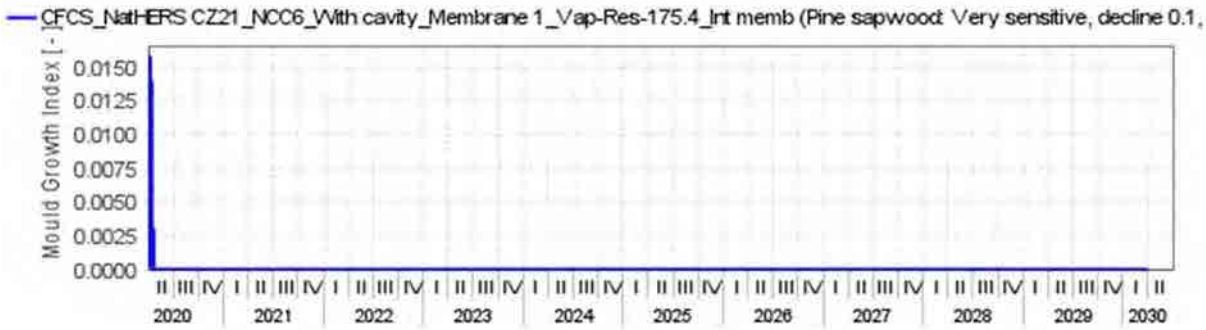

Figure 98: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

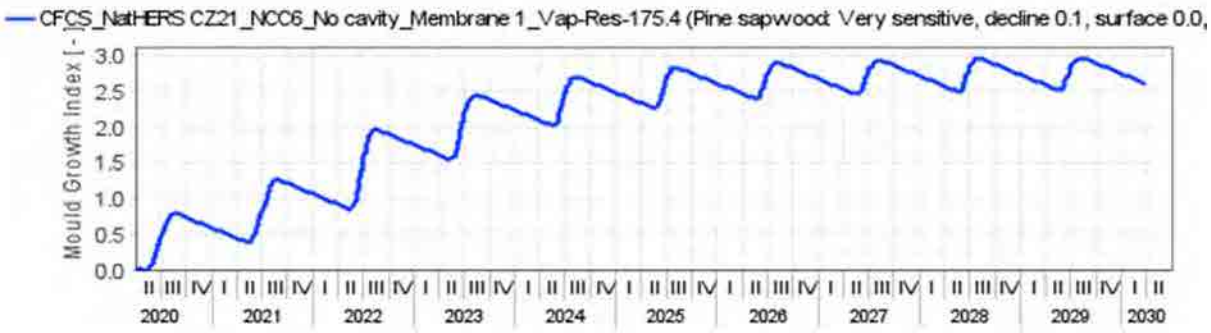

Figure 99: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

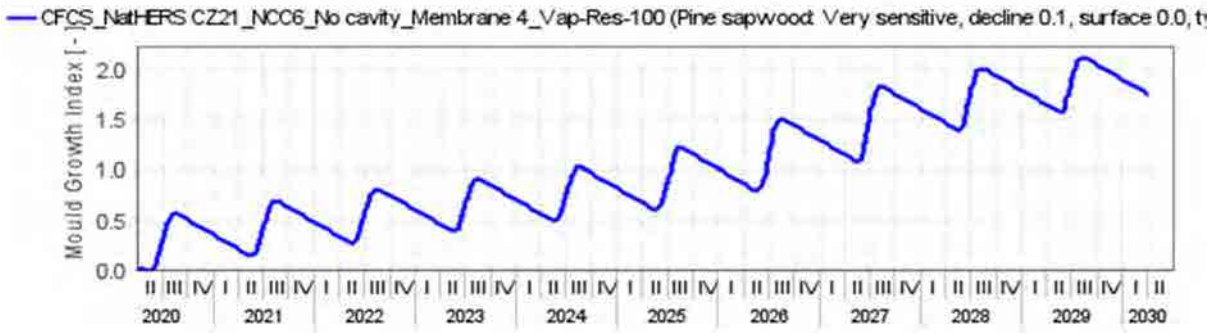

Figure 100: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

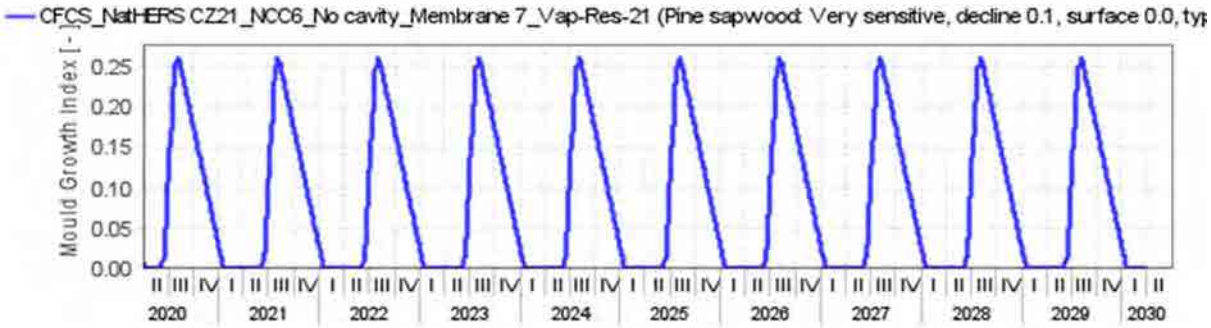

Figure 101: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

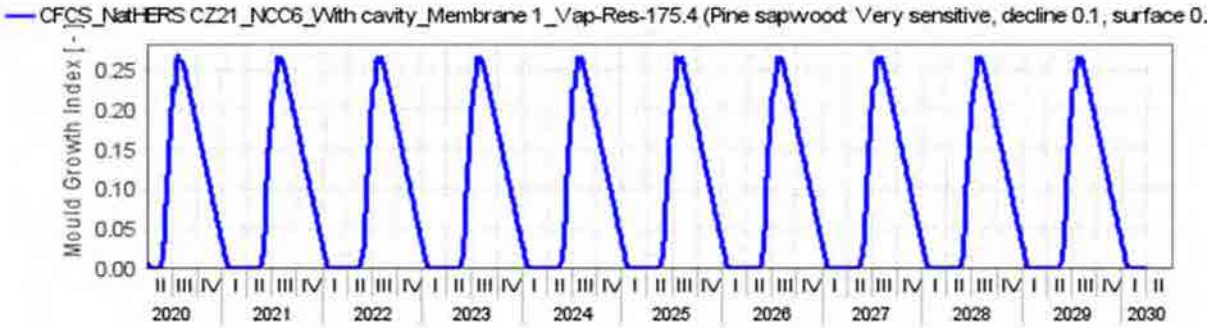

Figure 102: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

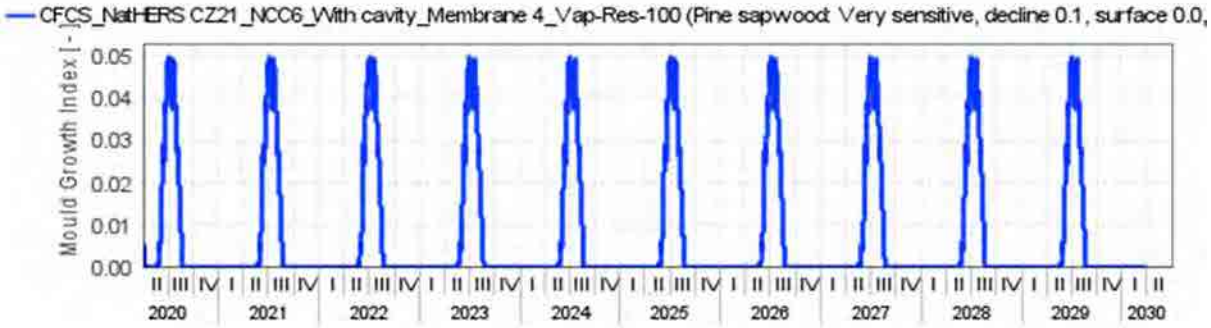

Figure 103: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

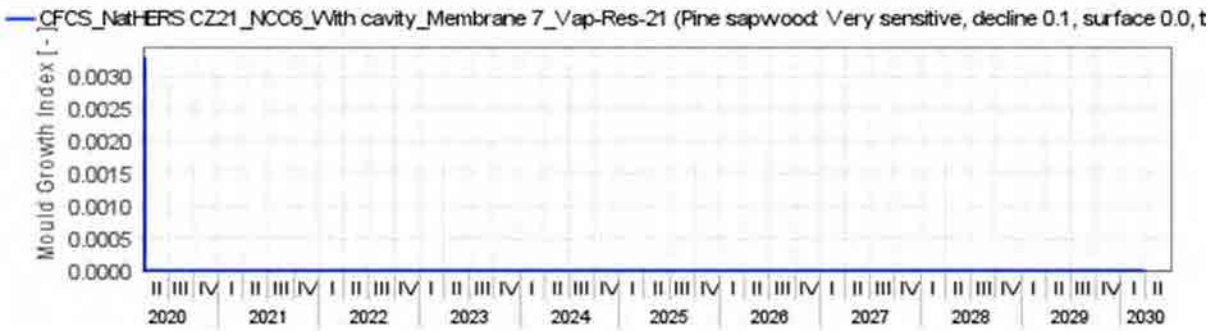

Figure 104: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

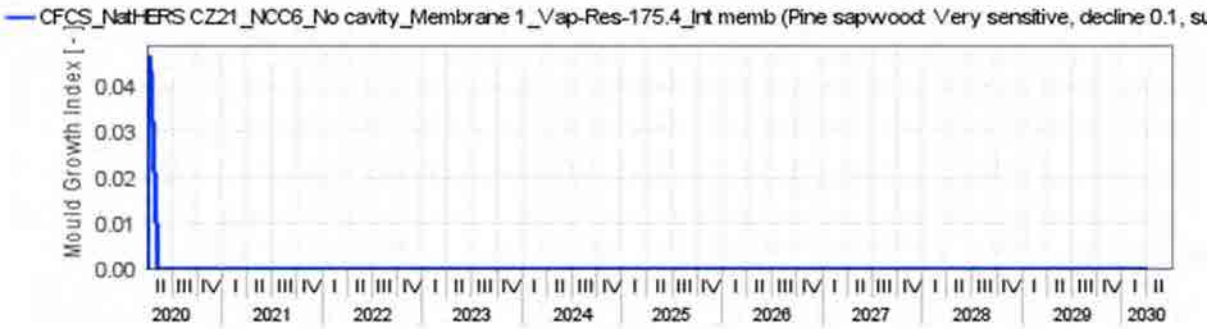

Figure 7: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

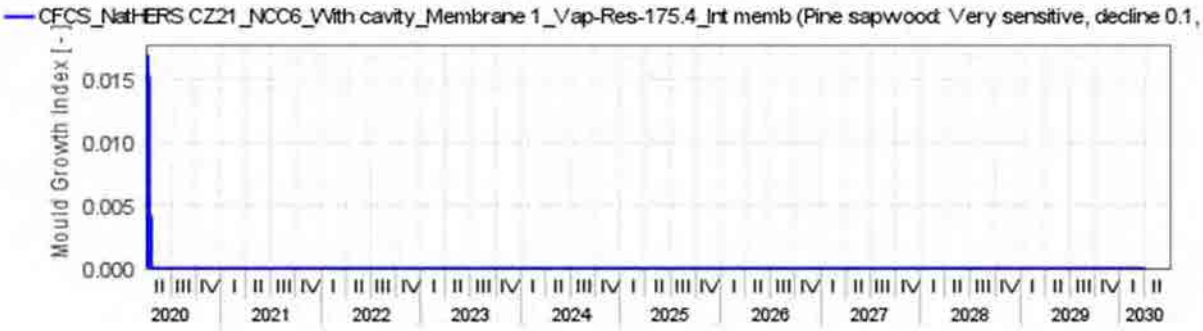

Figure 105: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

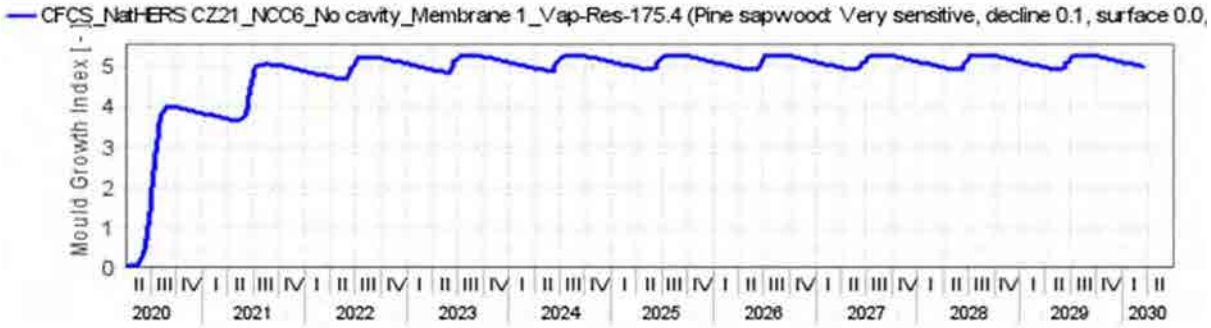

Figure 106: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

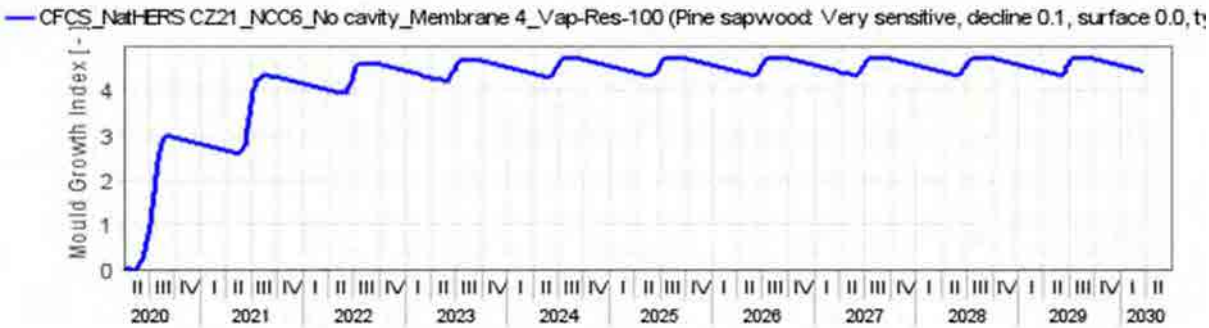

Figure 107: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 108: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

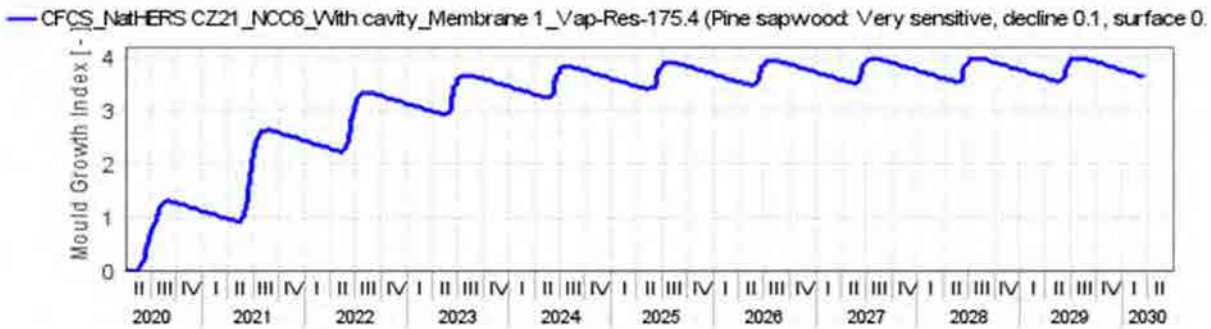

Figure 109: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

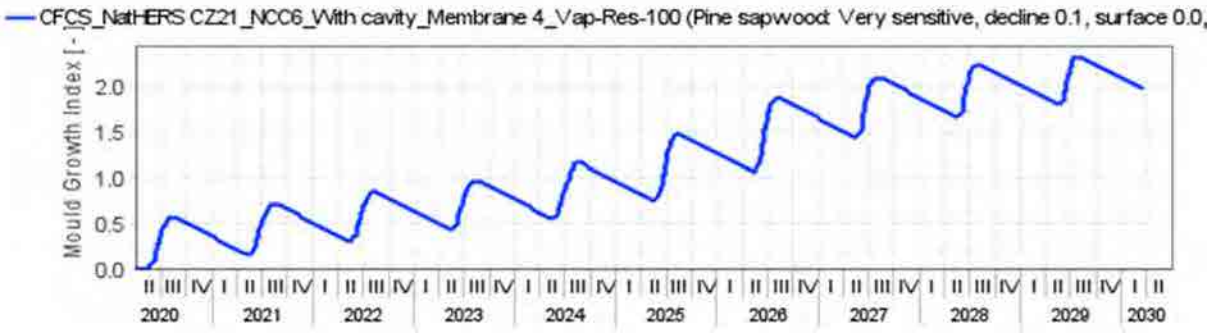

Figure 110: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

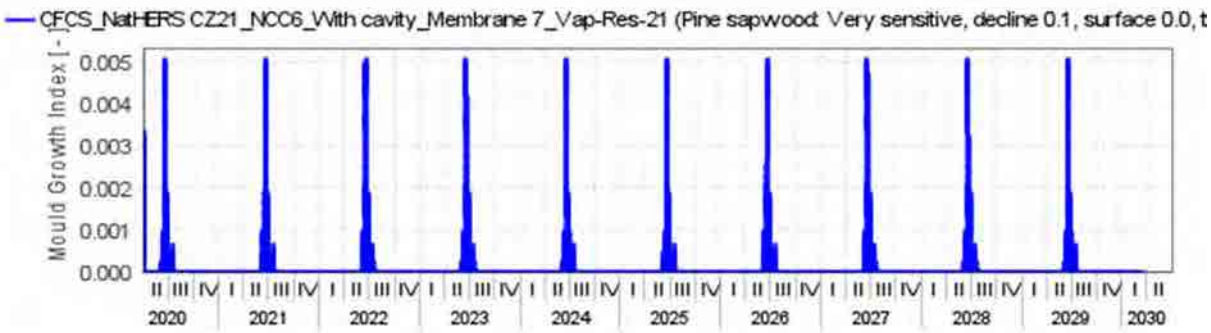

Figure 111: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

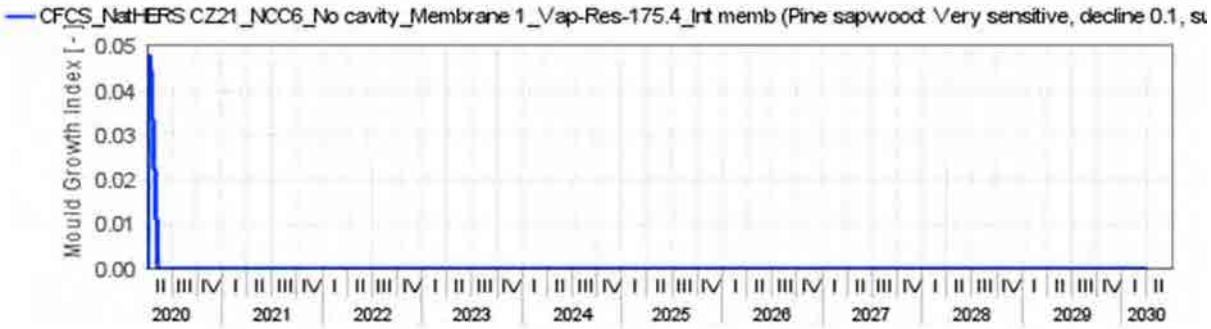

Figure 112: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. However, the Mould Growth Index does not exceed 1.0.

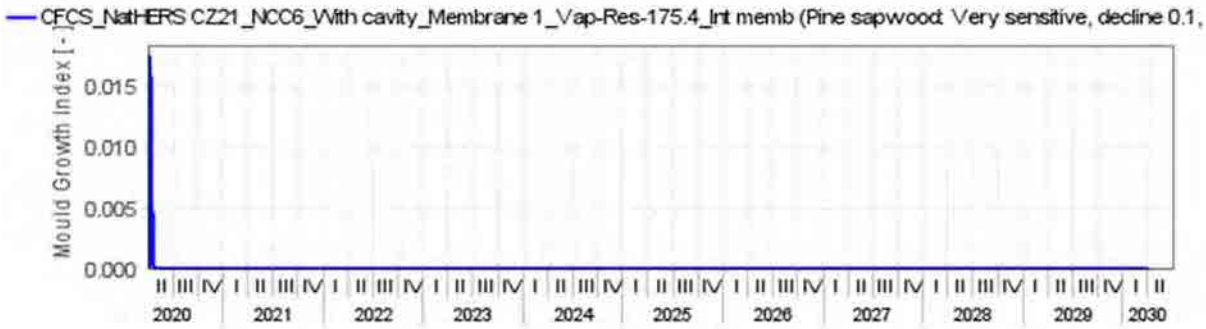

Figure 113: CFCS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

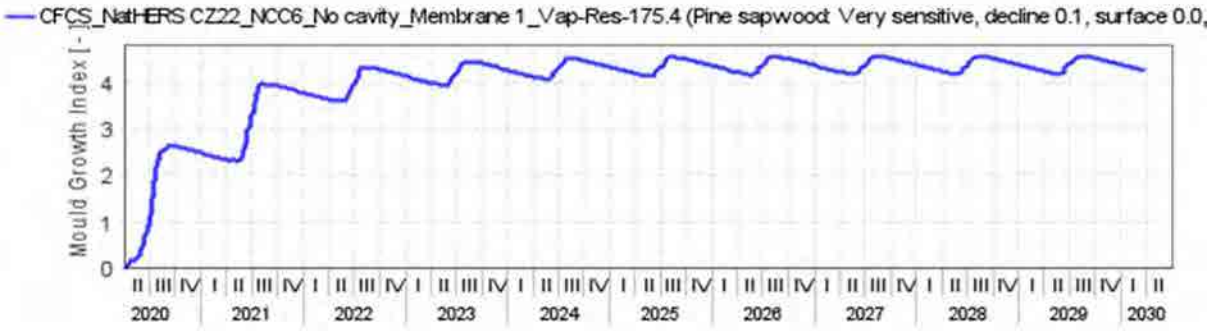

Figure 114: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

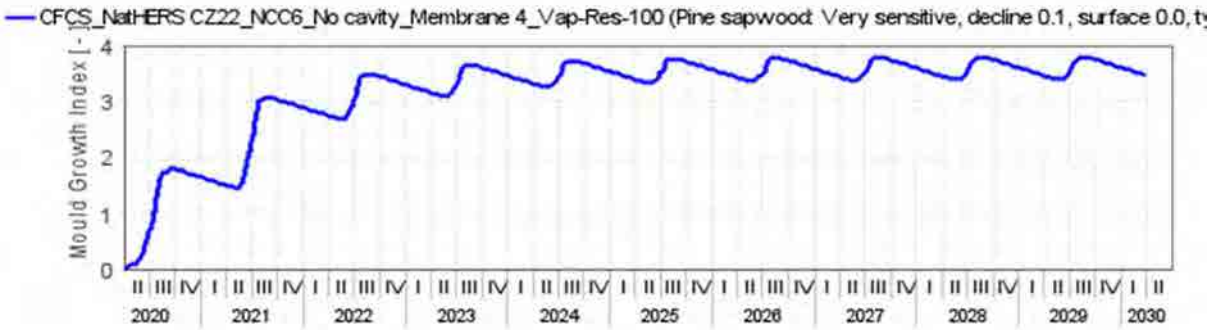

Figure 115: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

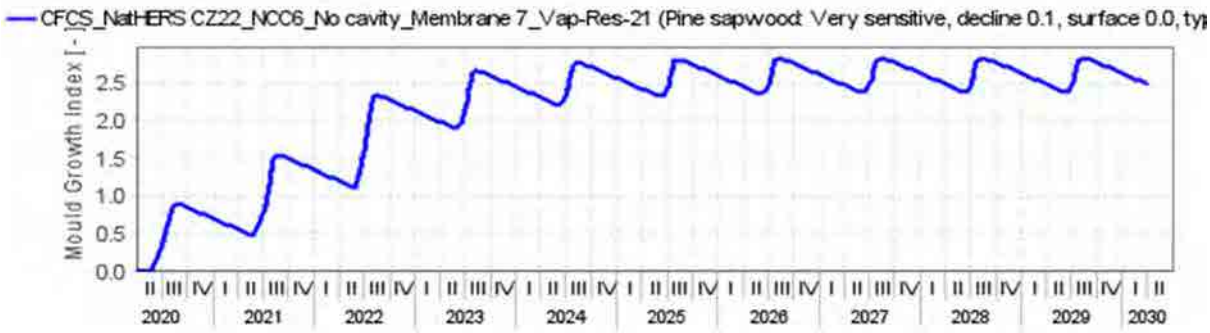

Figure 116: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

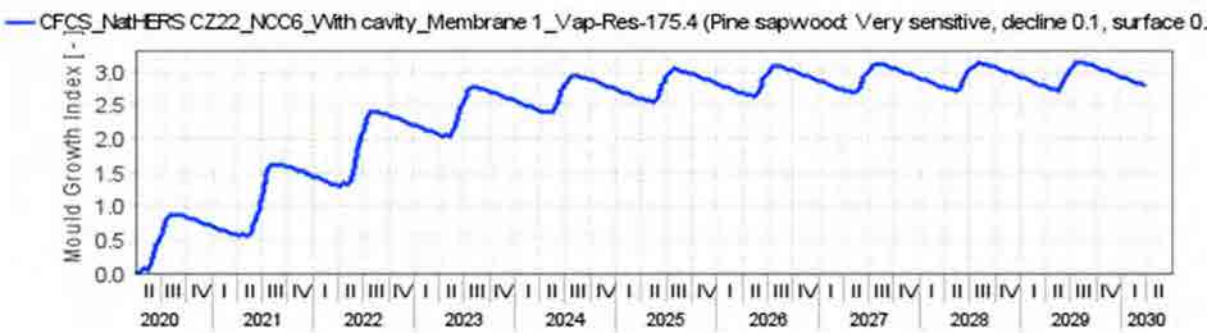

Figure 117: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

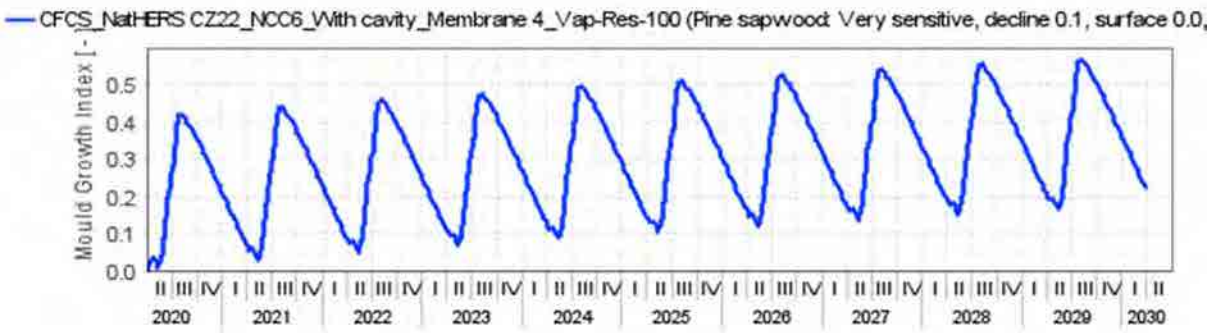

Figure 118: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

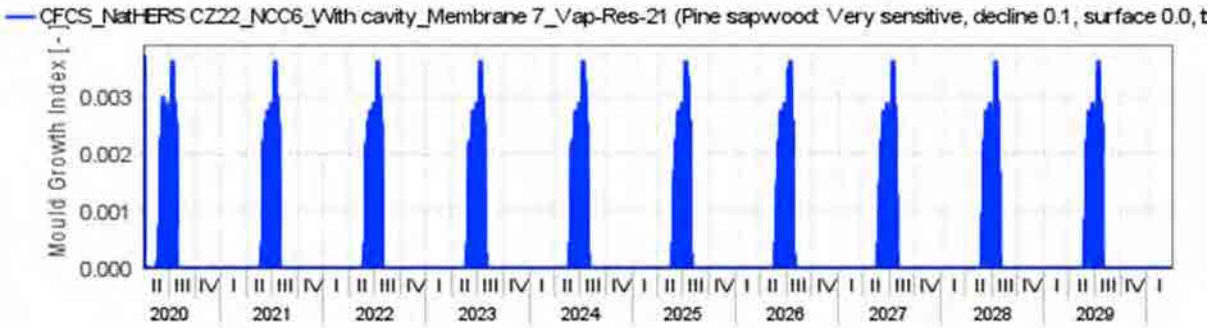

Figure 119: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

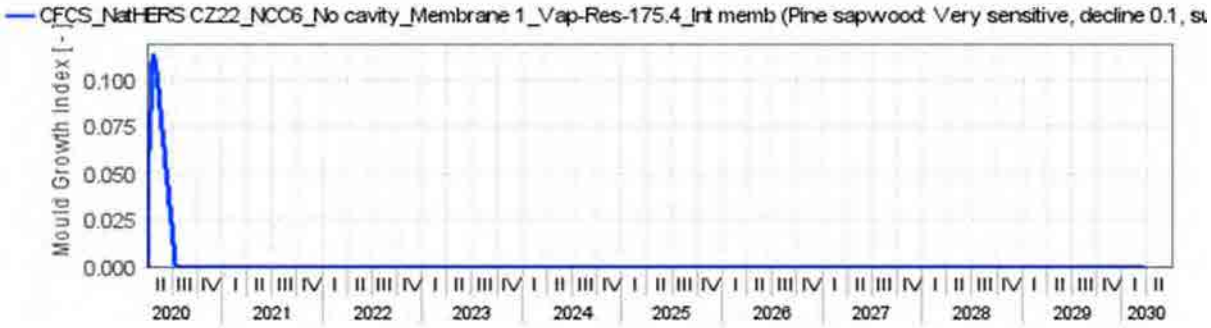

Figure 120: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

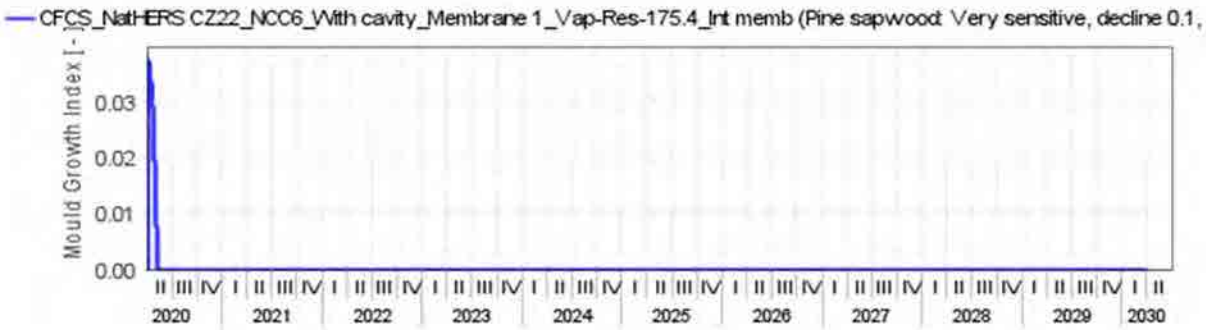

Figure 121: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

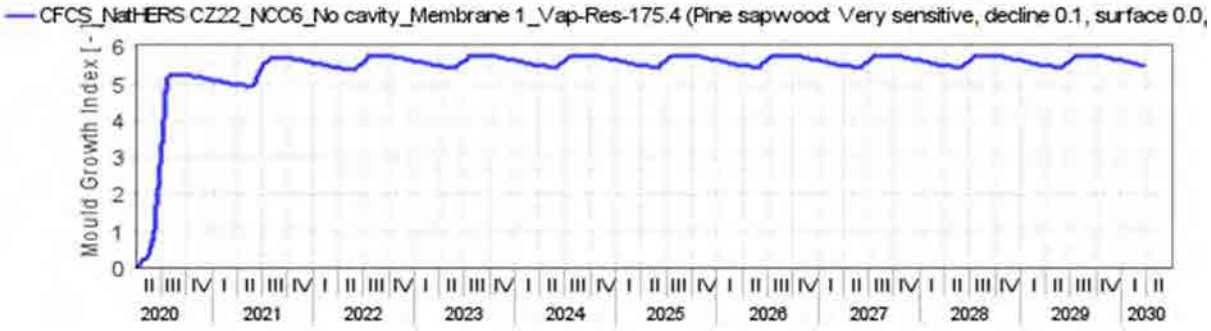

Figure 122: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

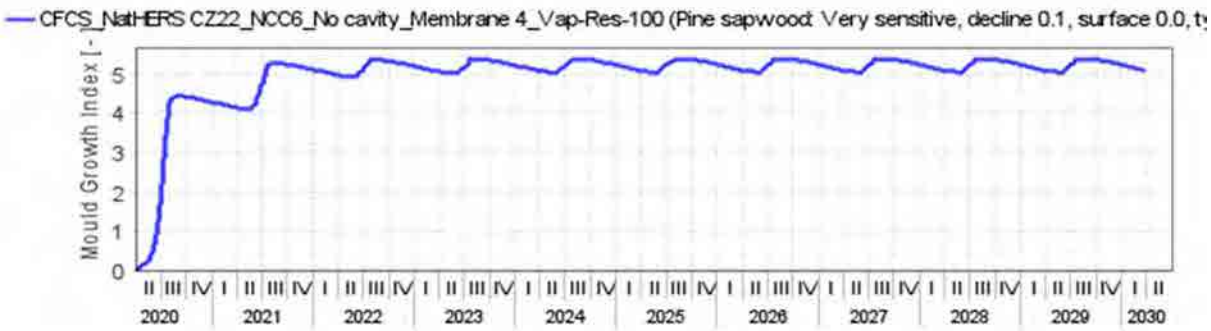

Figure 123: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

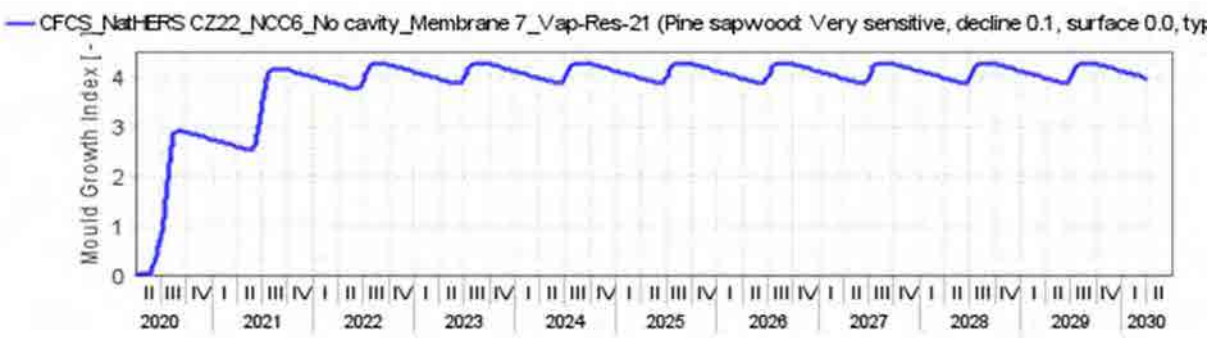

Figure 124: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

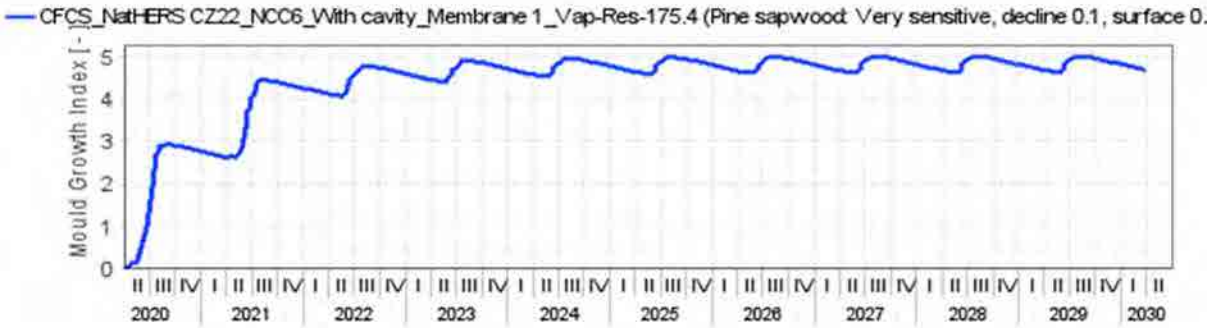

Figure 125: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

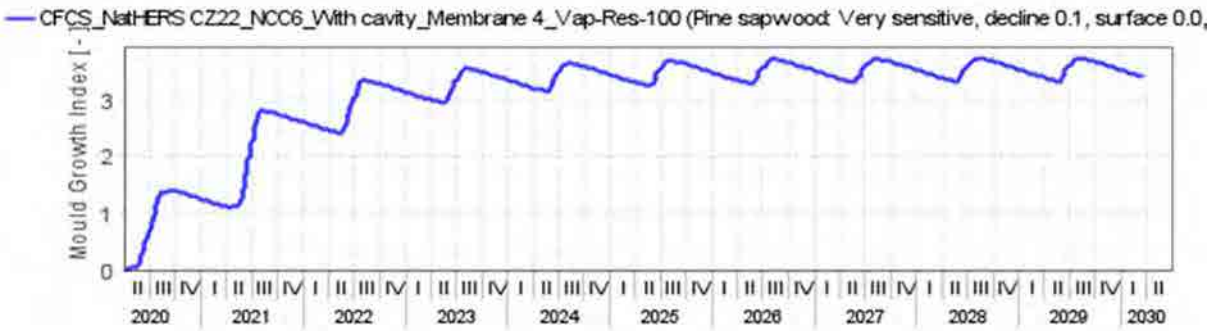

Figure 126: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

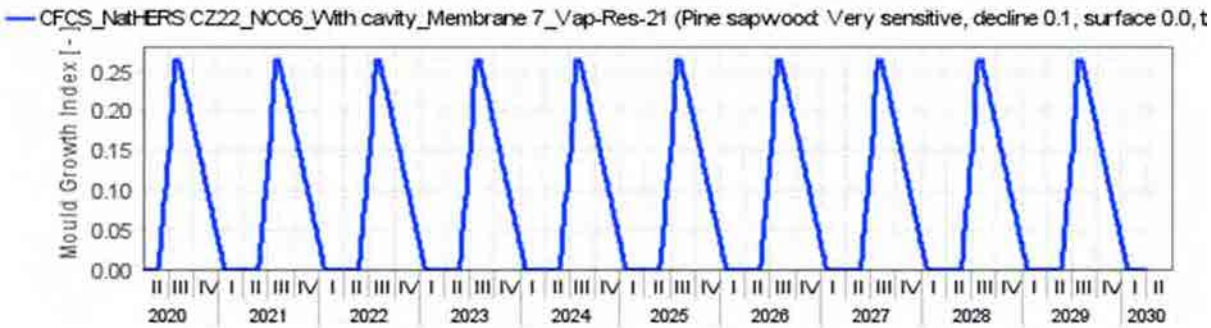

Figure 127: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

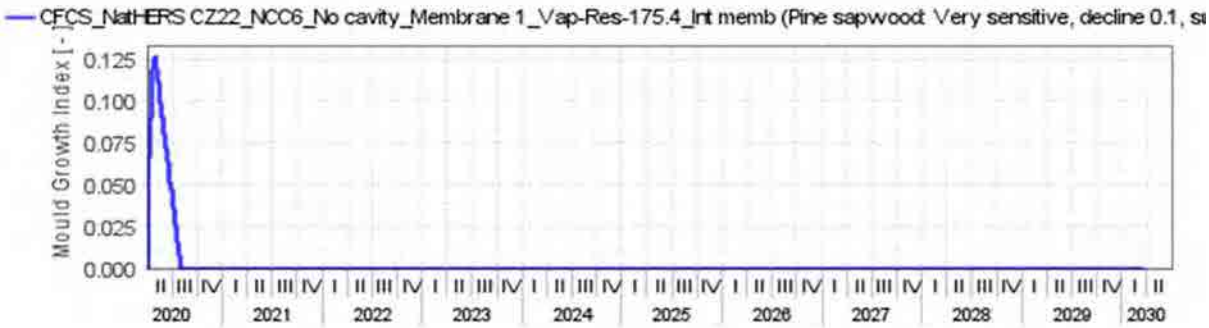

Figure 128: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

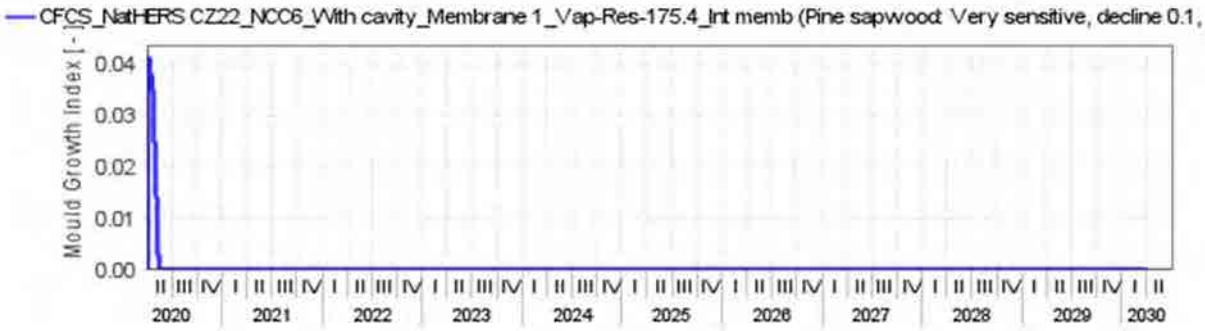

Figure 129: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

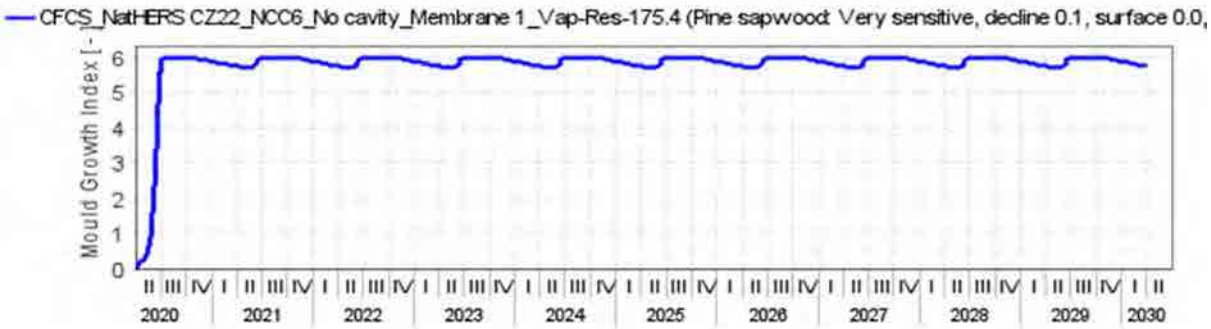

Figure 130: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

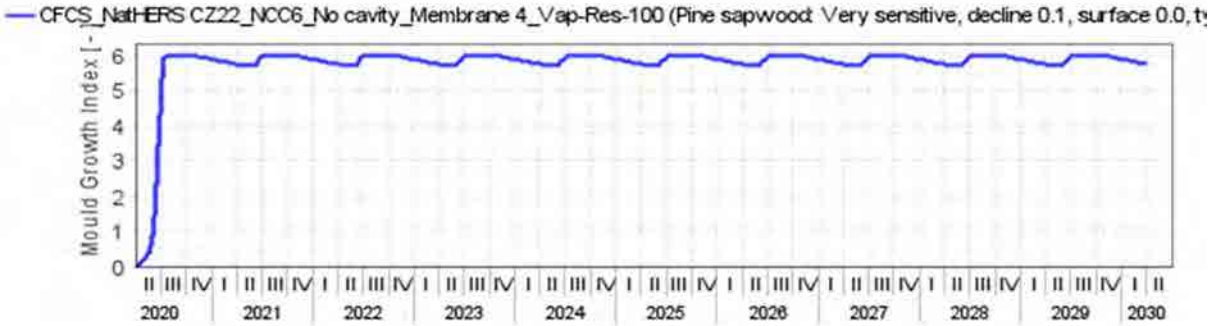

Figure 131: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

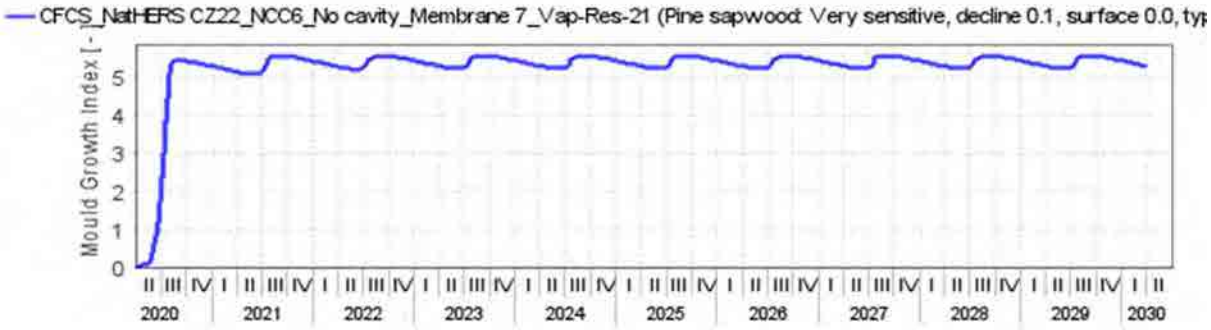

Figure 132: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

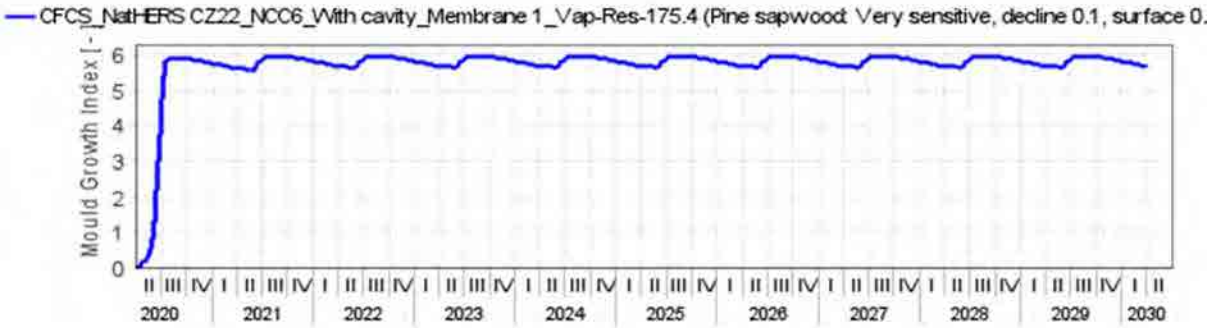

Figure 133: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

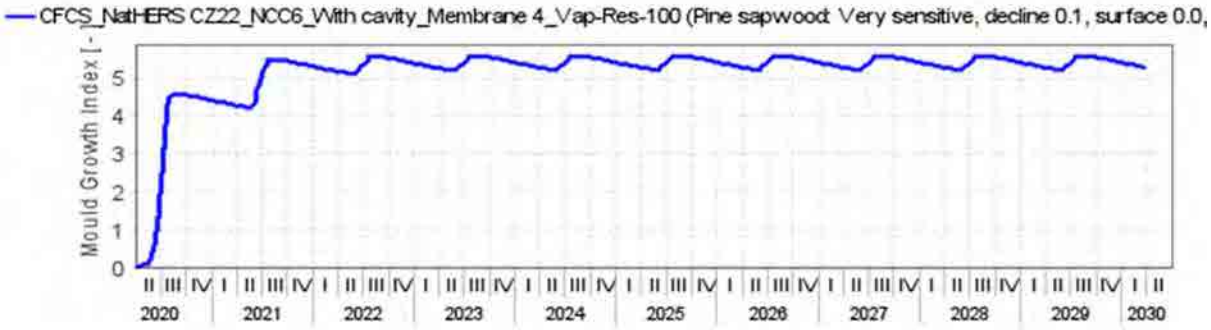

Figure 134: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

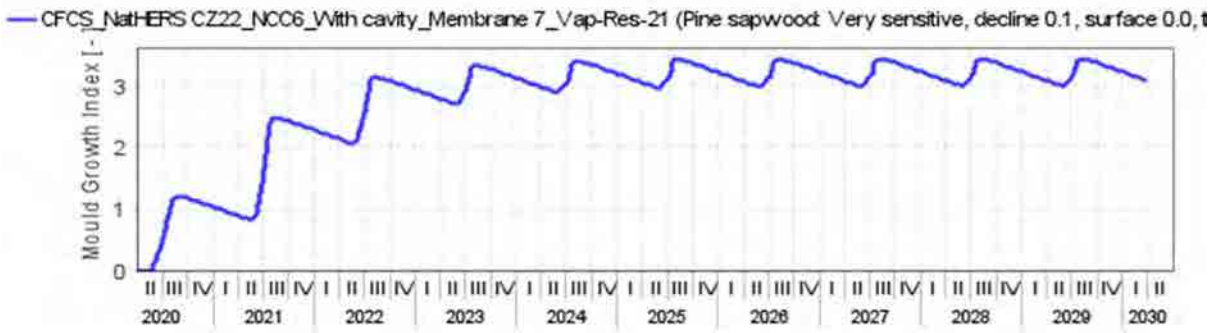

Figure 135: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

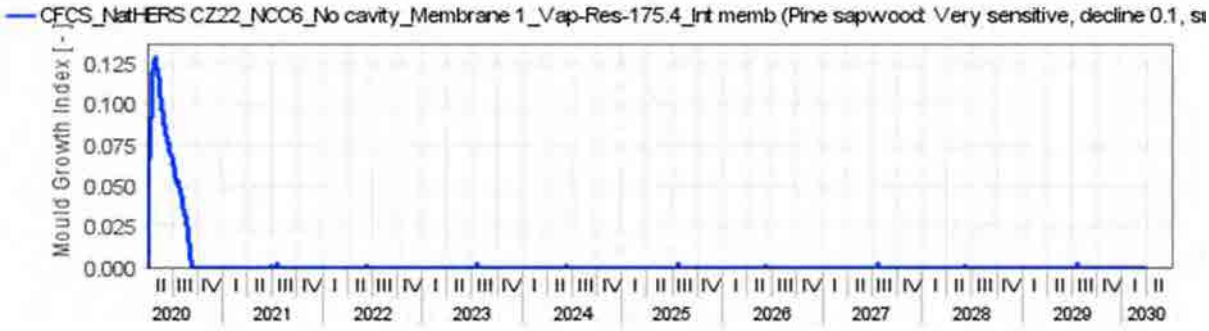

Figure 136: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

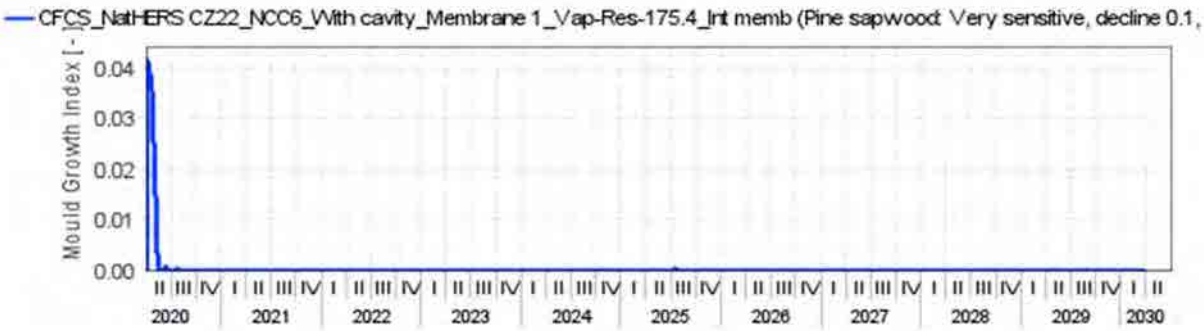

Figure 8: CFCS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

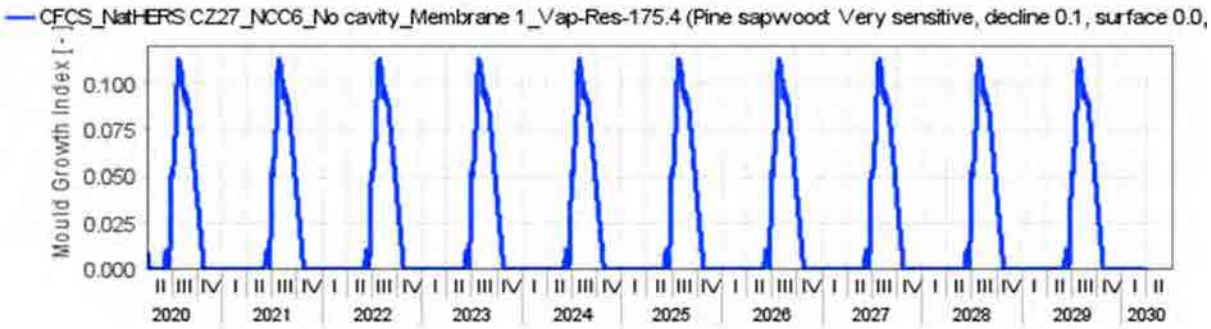

Figure 137: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

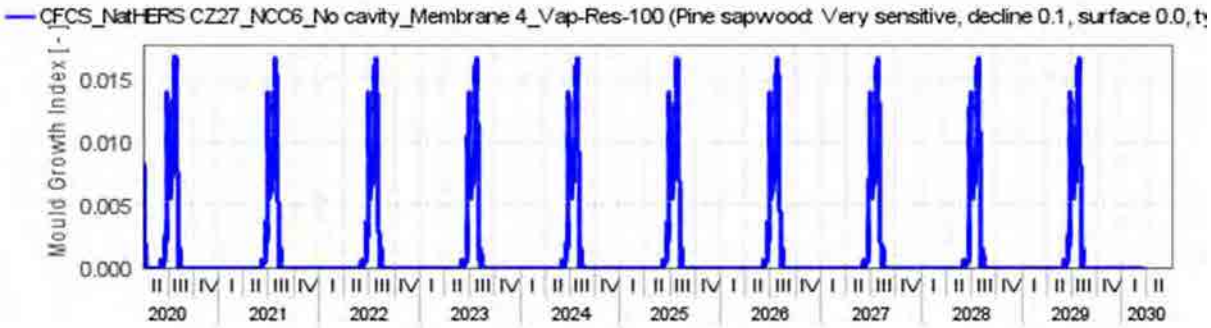

Figure 138: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

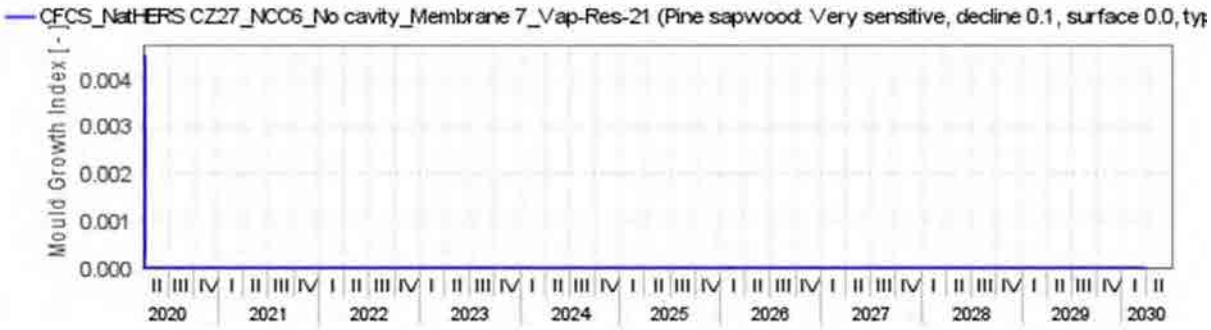

Figure 139: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

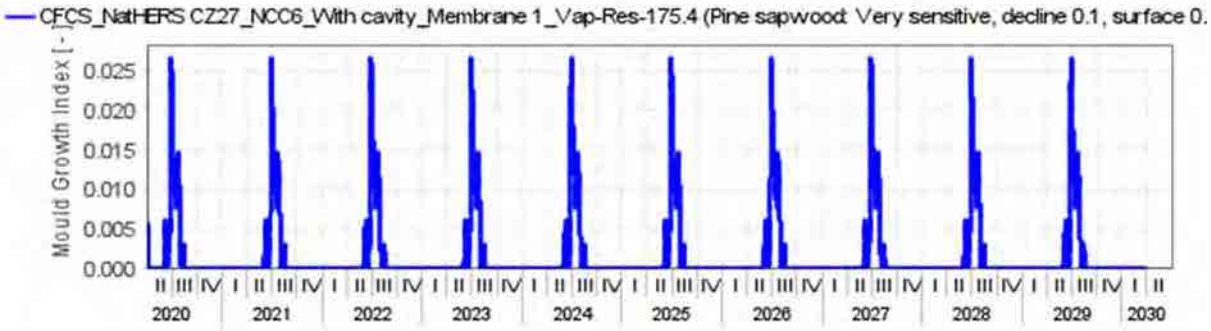

Figure 140: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

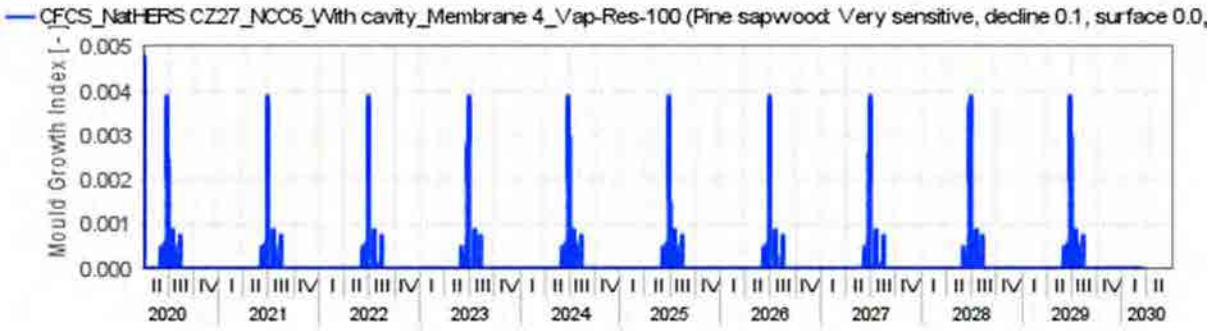

Figure 141: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

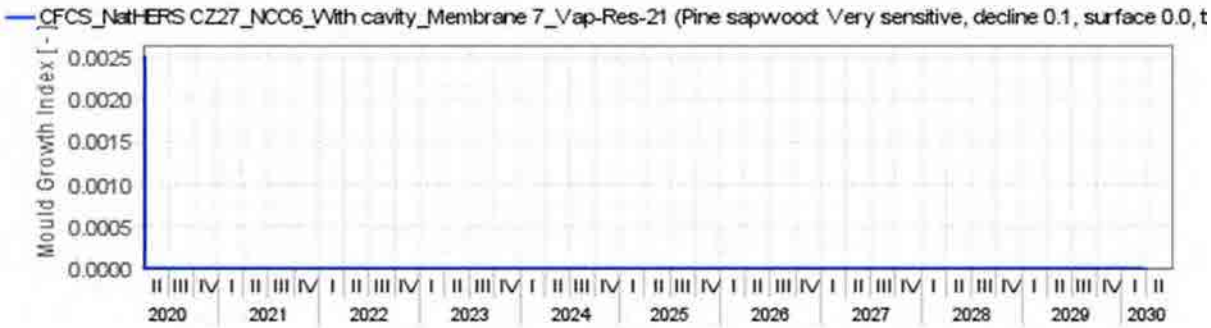

Figure 142: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

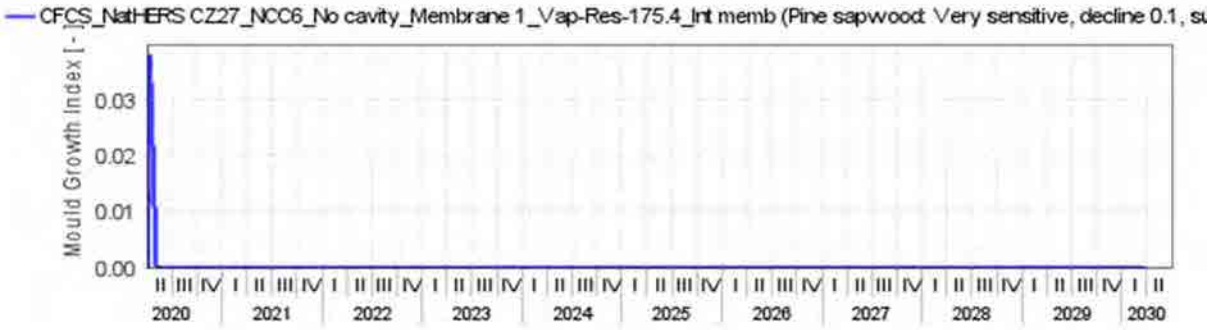

Figure 143: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

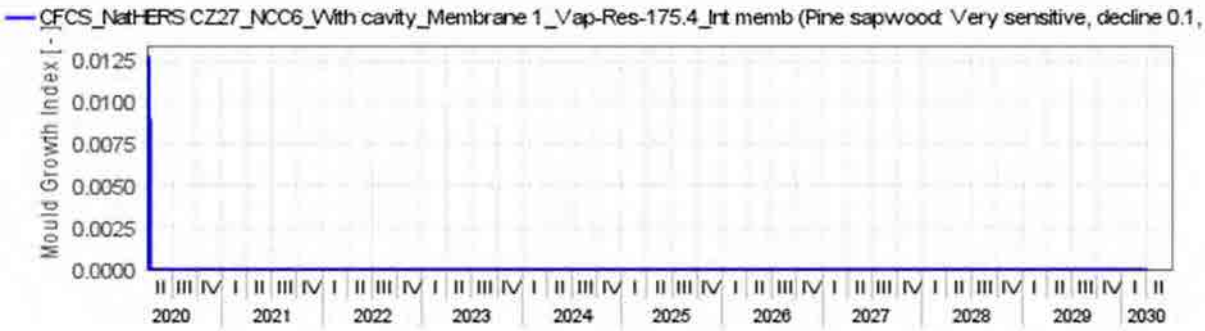

Figure 144: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

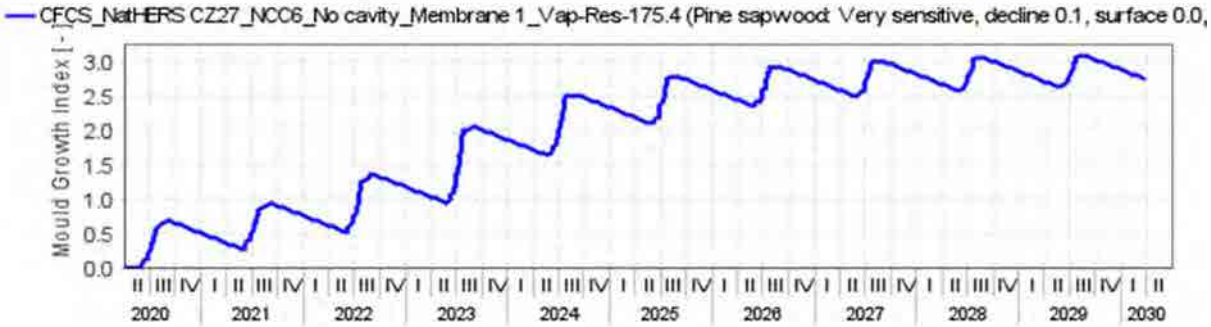

Figure 145: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

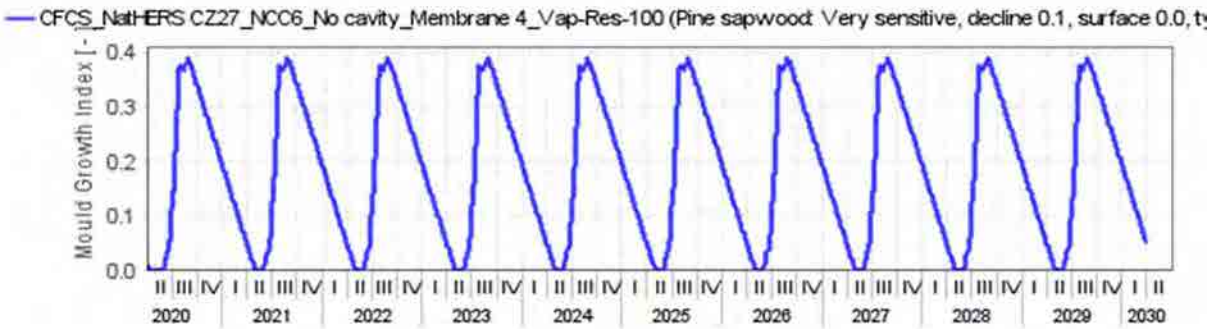

Figure 146: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

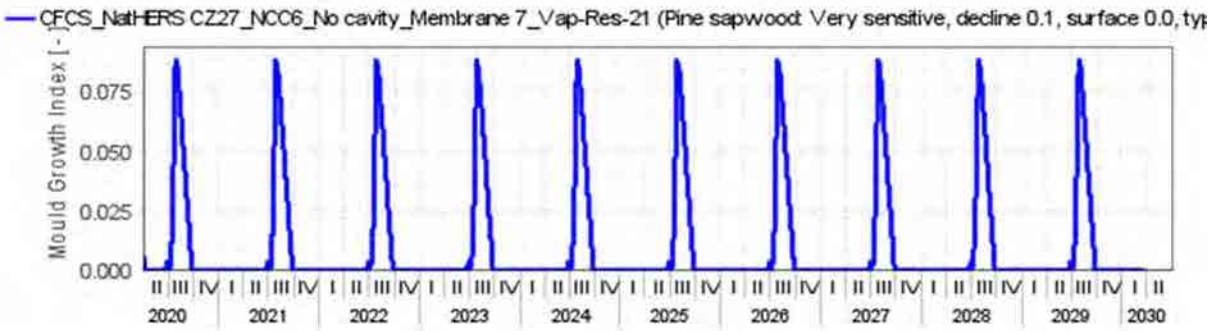

Figure 147: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

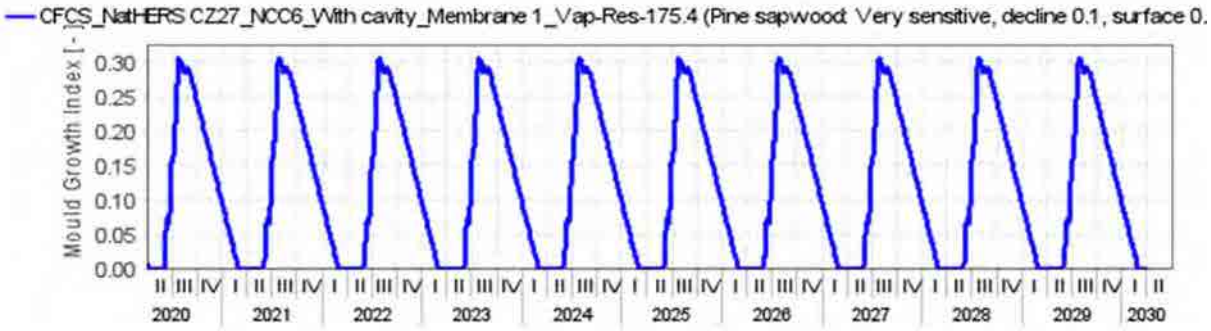

Figure 148: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

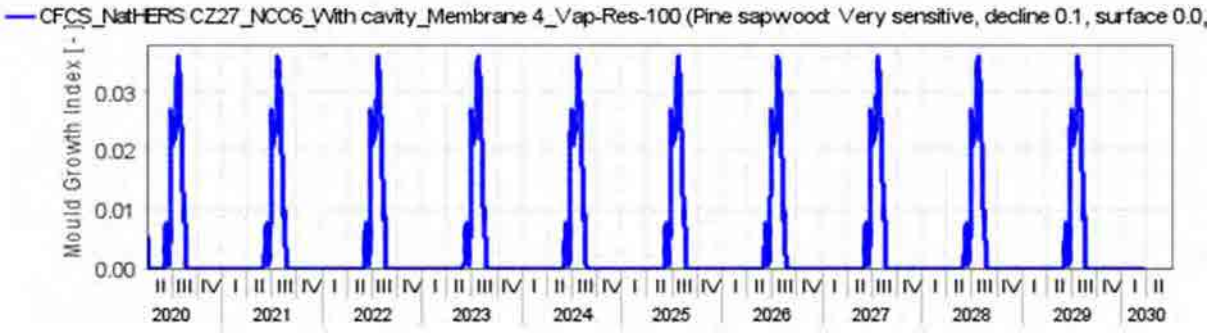

Figure 149: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

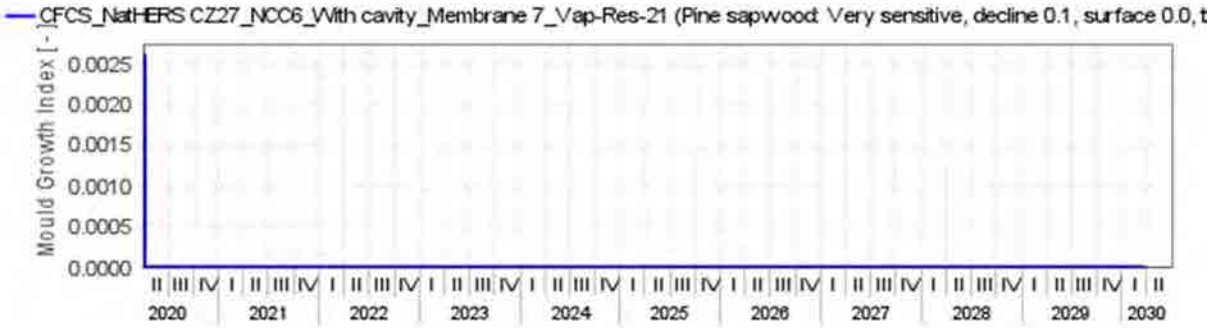

Figure 150: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

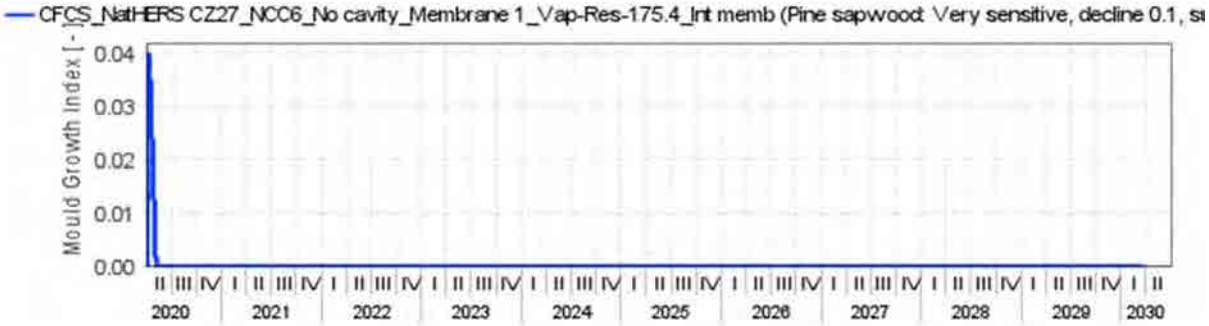

Figure 151: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

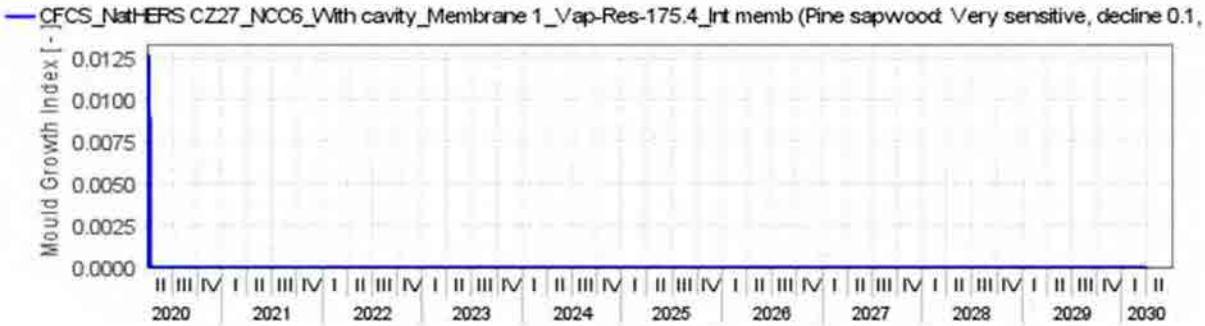

Figure 152: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

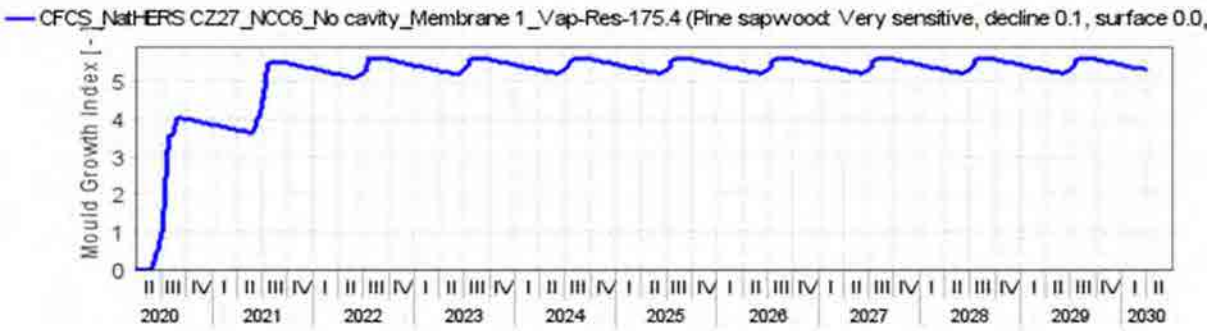

Figure 153: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

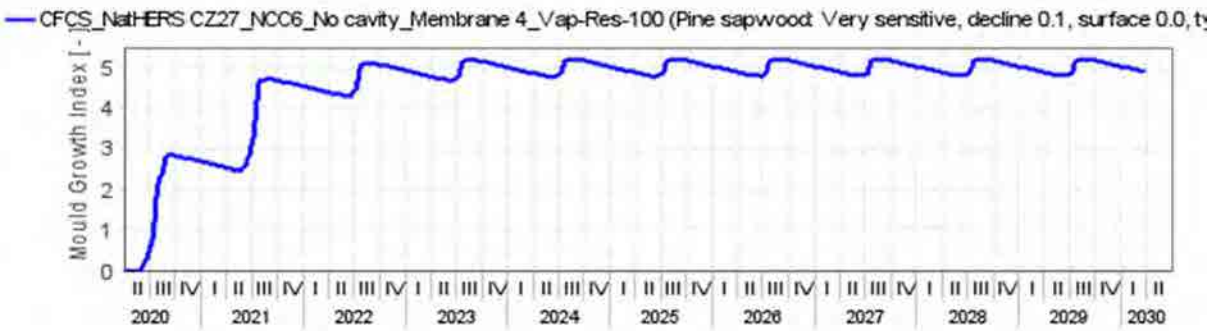

Figure 154: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

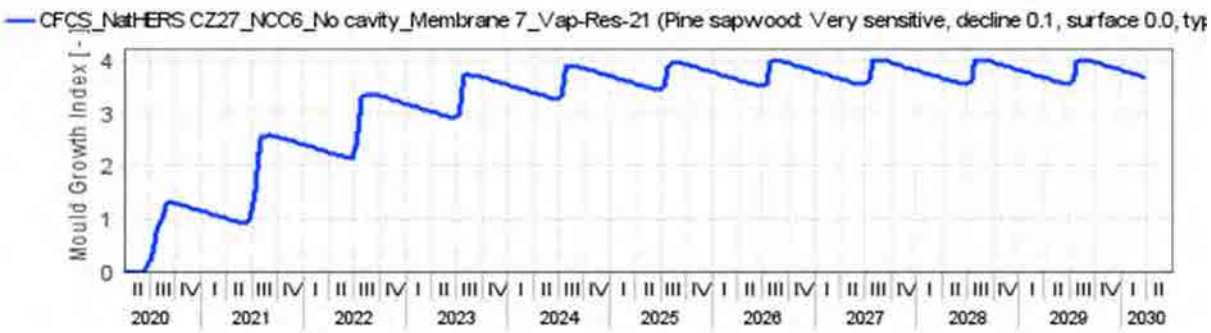

Figure 155: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

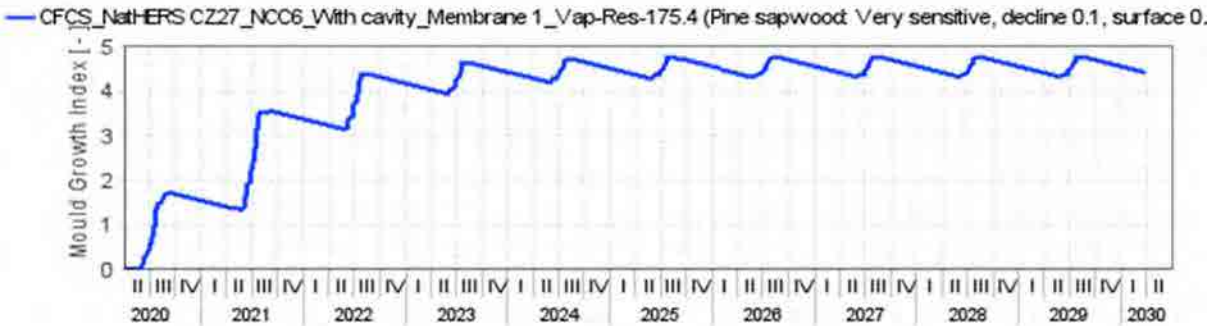

Figure 156: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

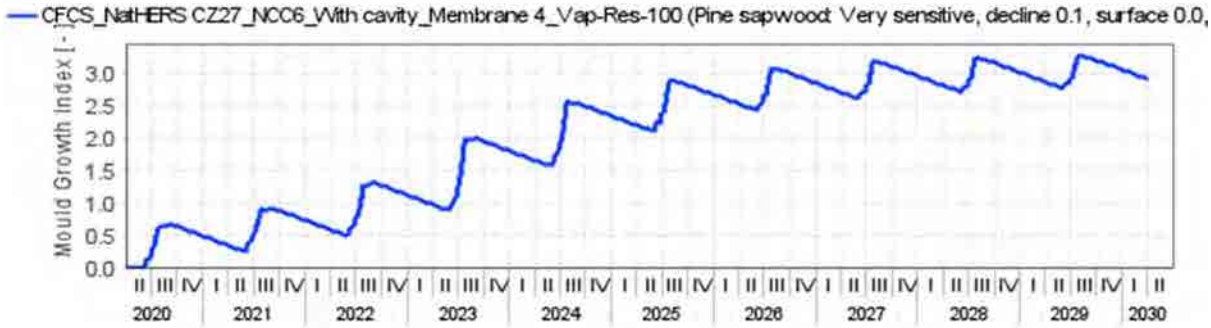

Figure 157: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

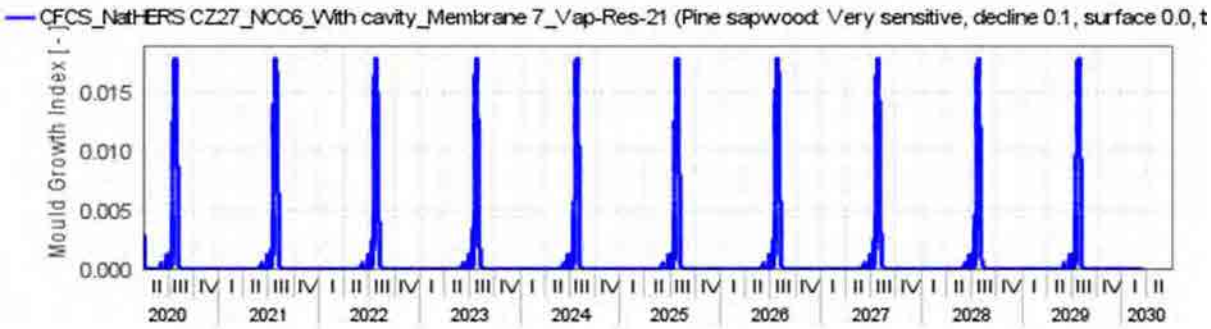

Figure 158: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

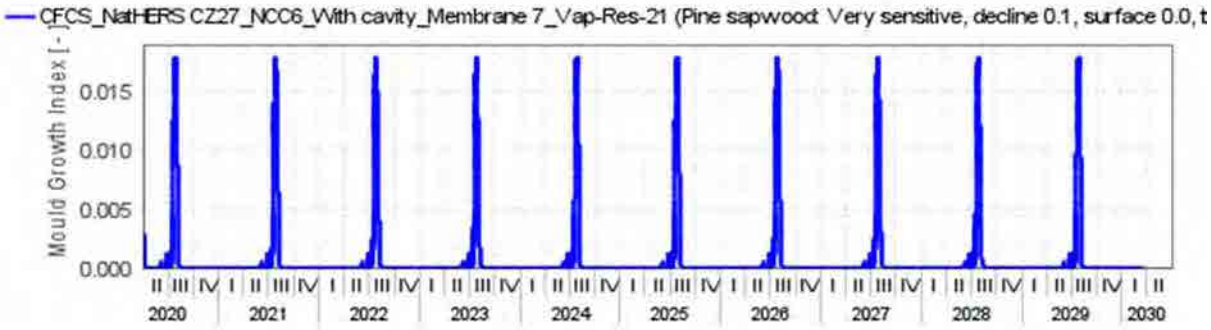

Figure 159: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

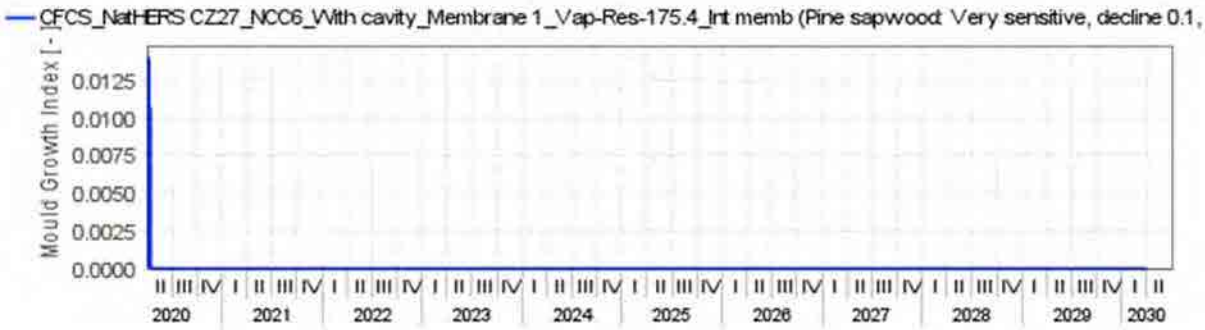

Figure 160: CFCS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

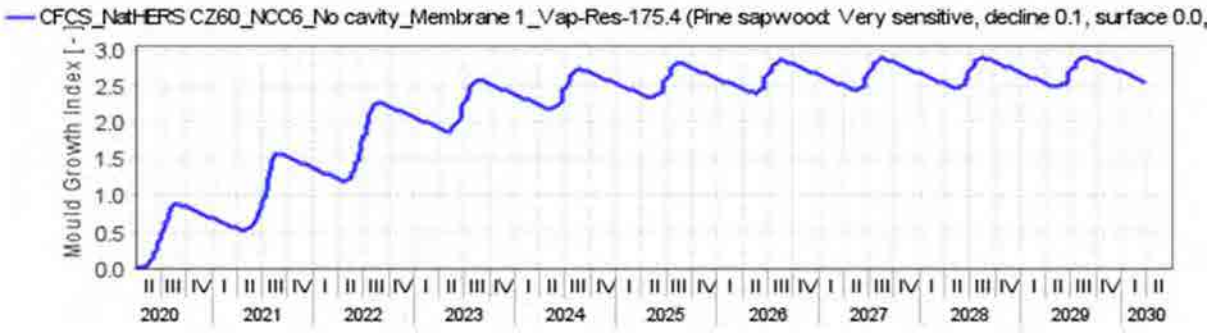

Figure 161: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

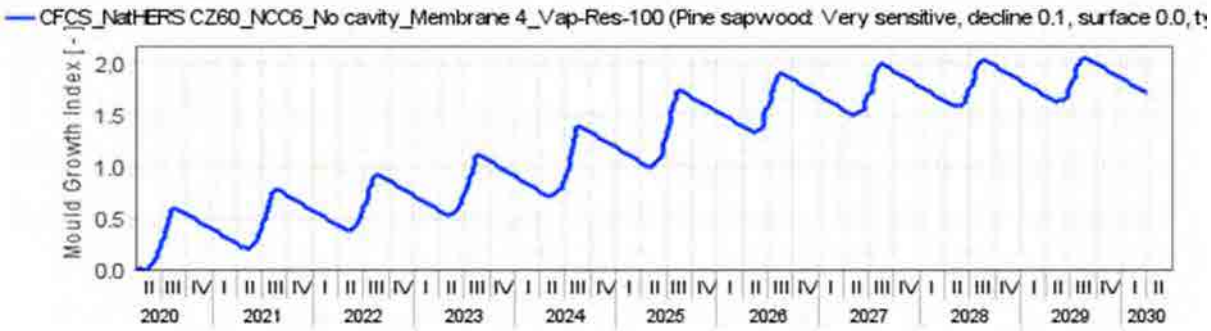

Figure 162: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

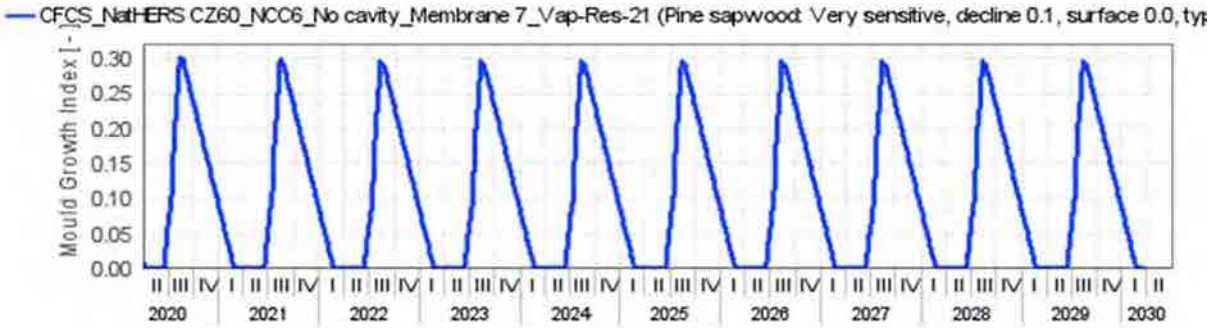

Figure 163: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

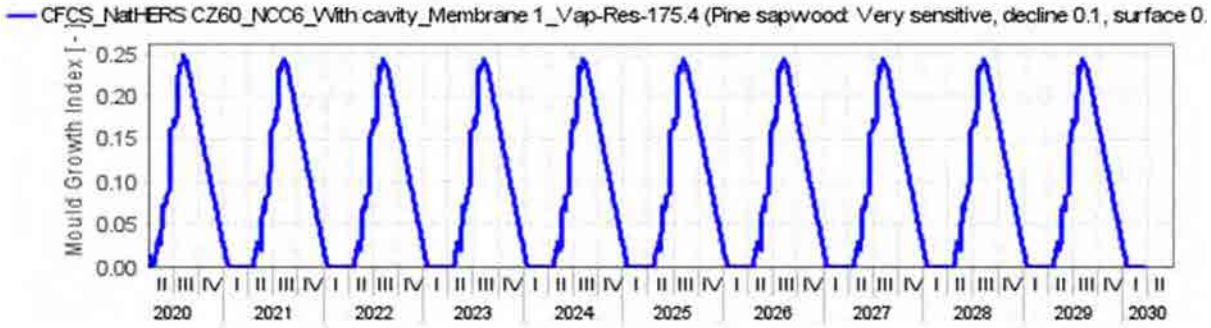

Figure 164: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

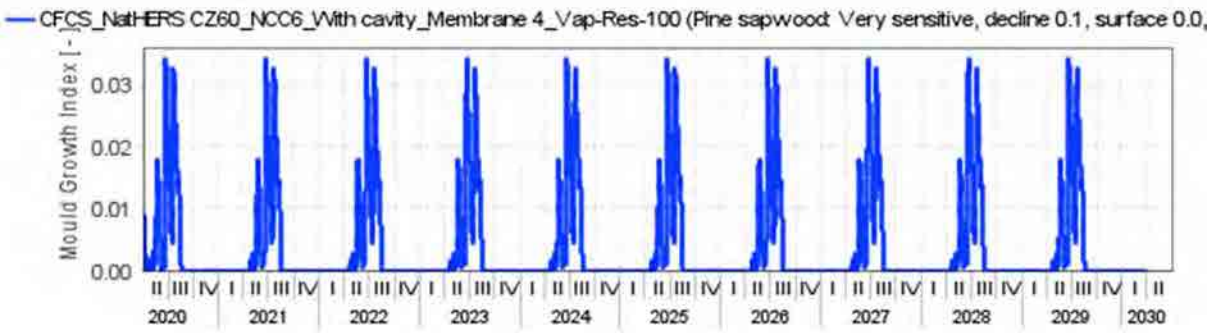

Figure 165: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

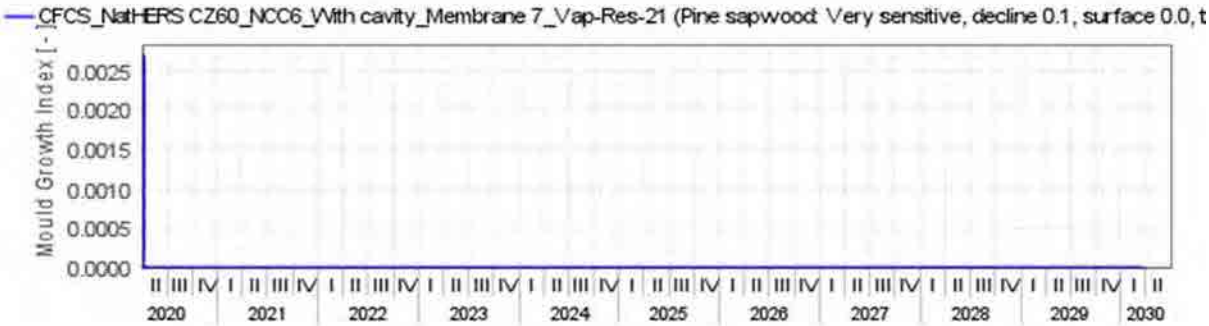

Figure 166: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

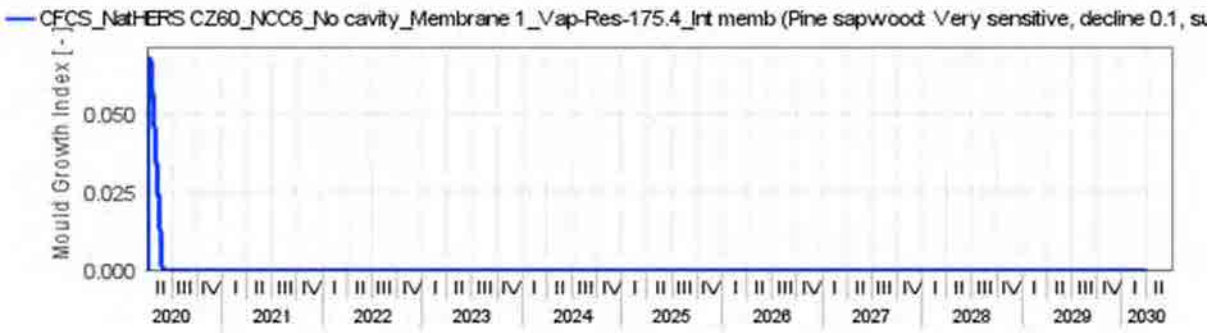

Figure 167: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

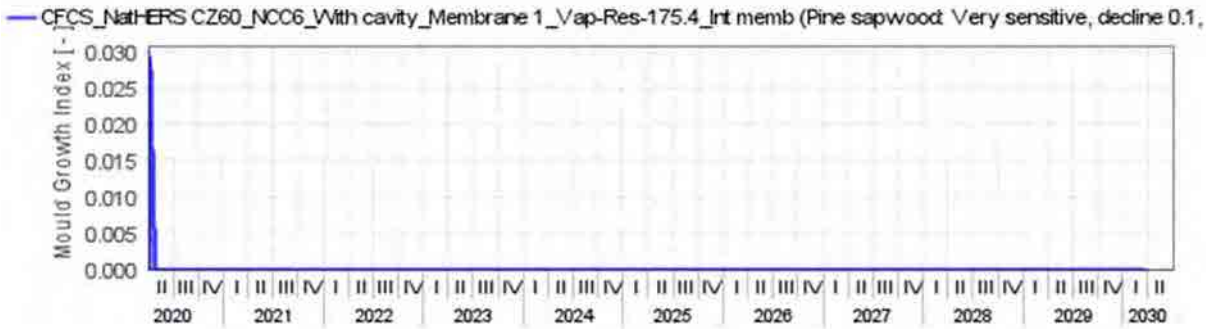

Figure 168: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

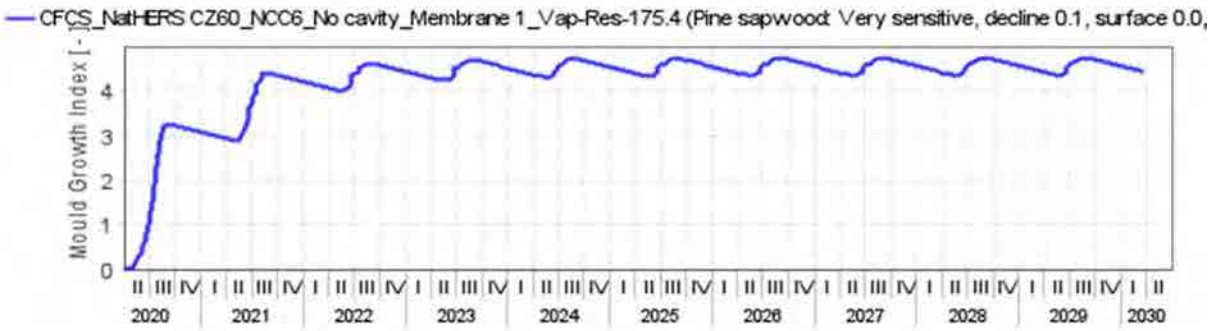

Figure 169: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

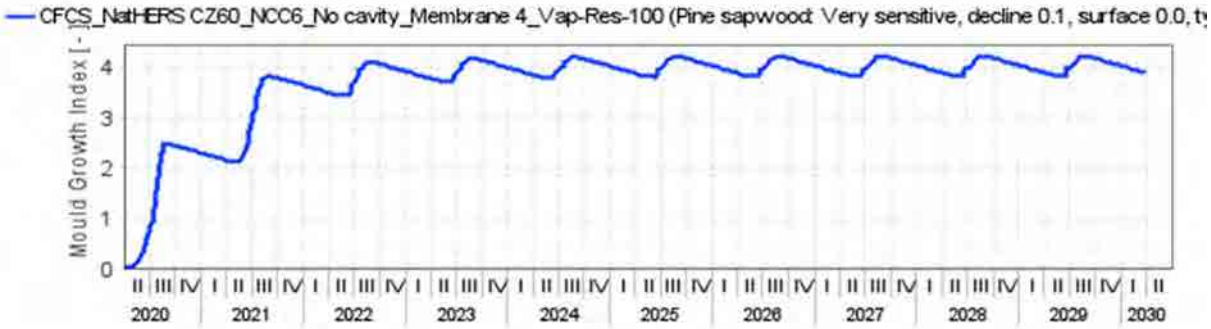

Figure 170: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

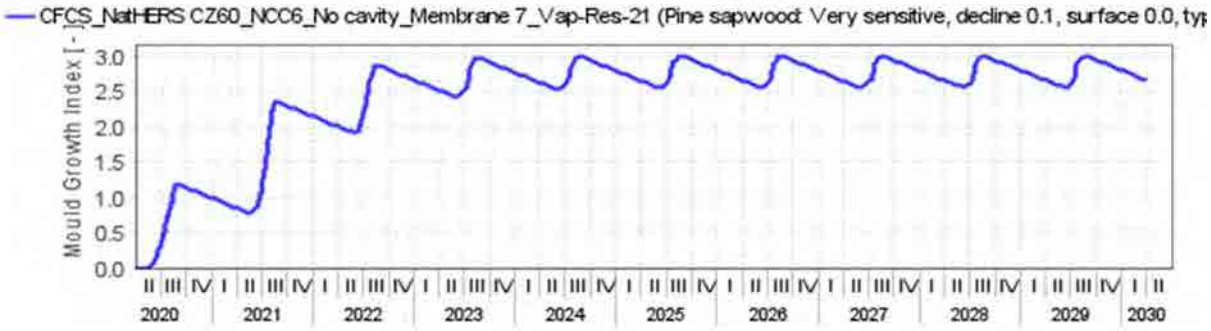

Figure 171: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 172: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

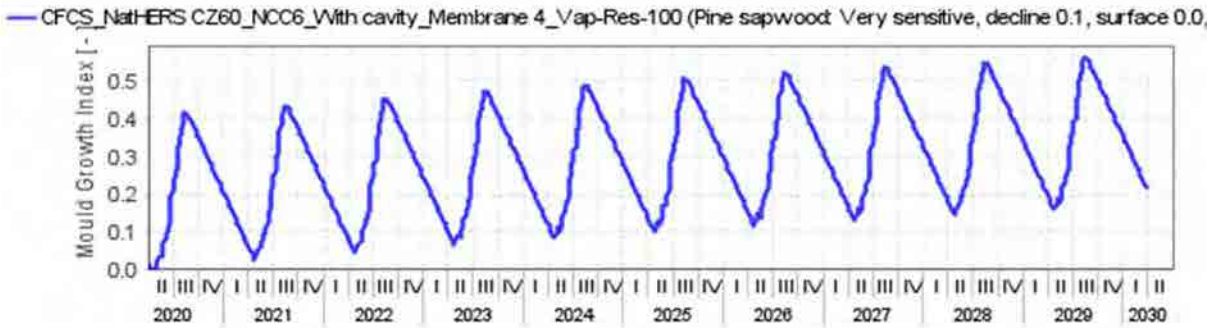

Figure 173: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

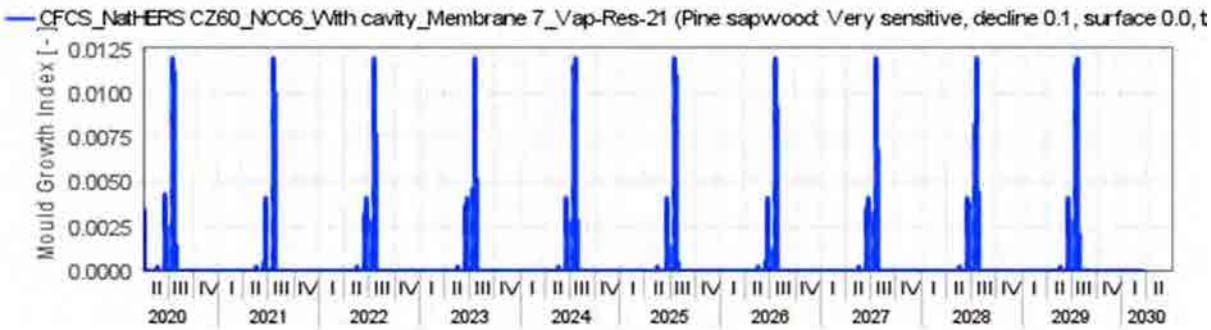

Figure 174: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

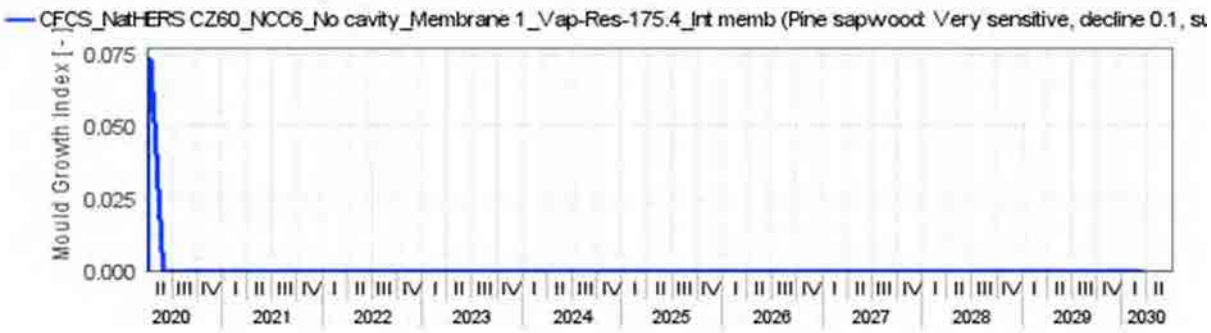

Figure 175: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

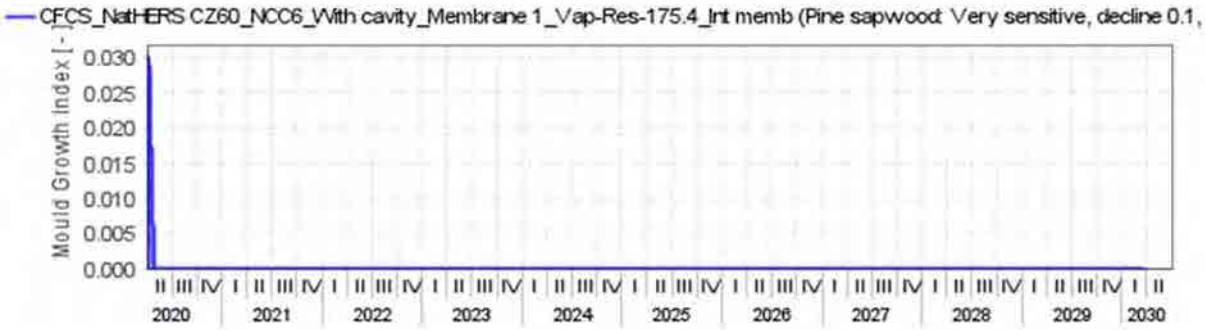

Figure 176: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

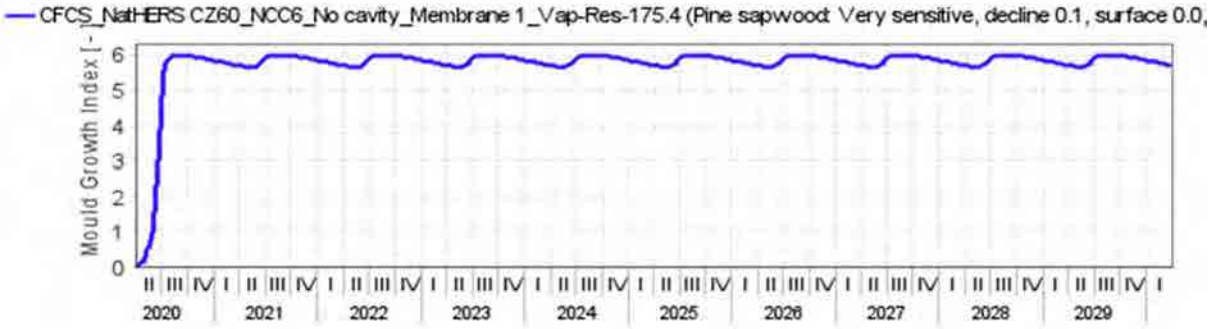

Figure 177: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

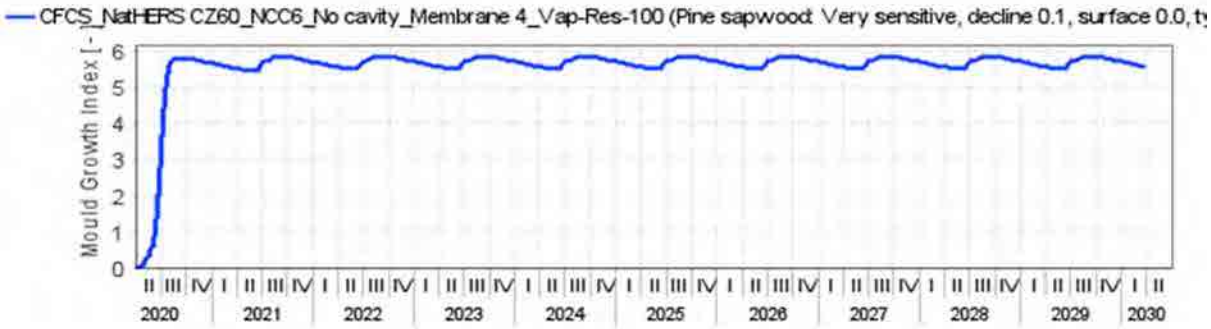

Figure 178: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

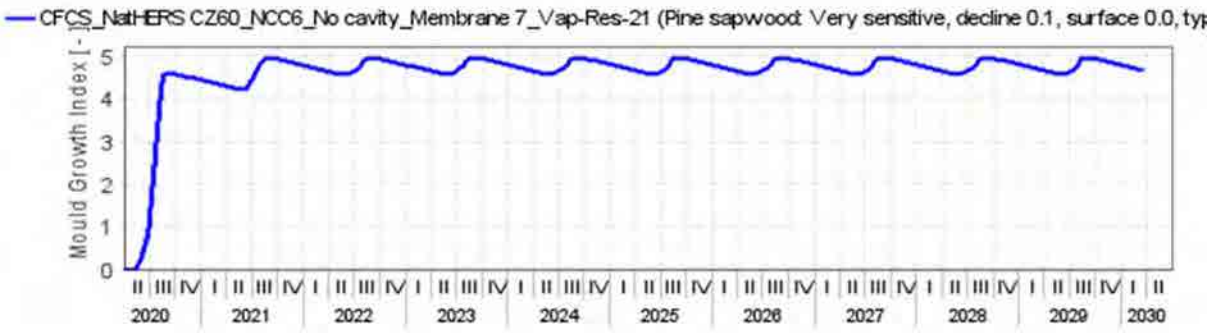

Figure 179: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

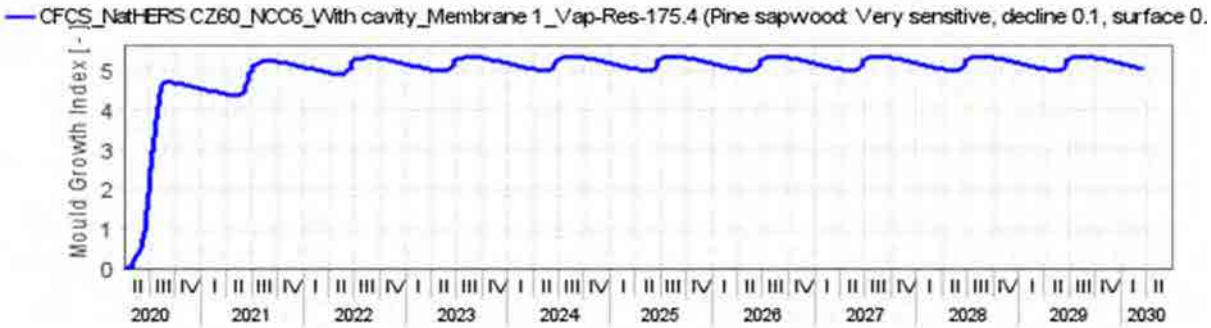

Figure 180: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

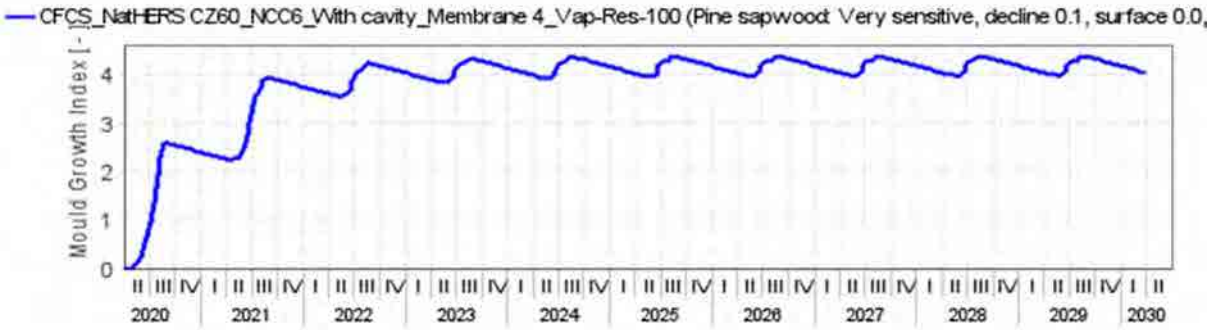

Figure 181: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

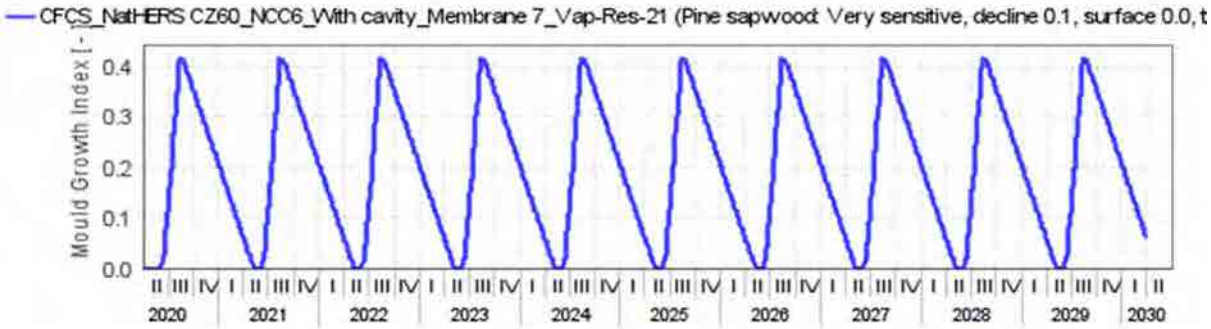

Figure 182: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

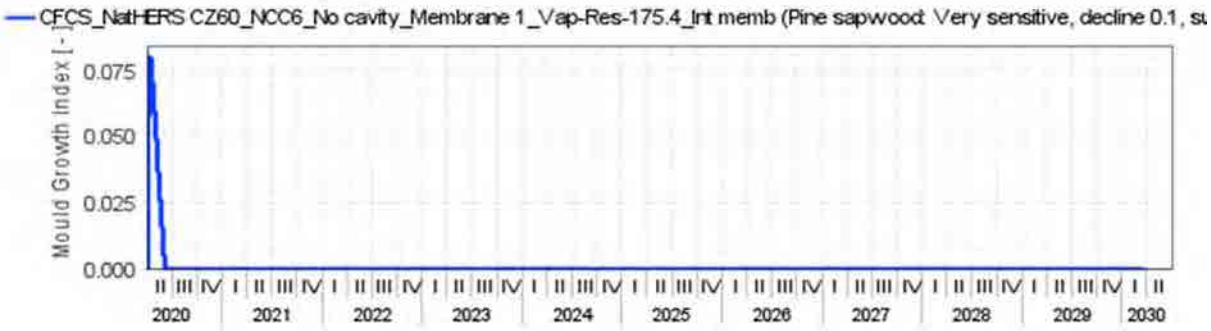

Figure 183: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

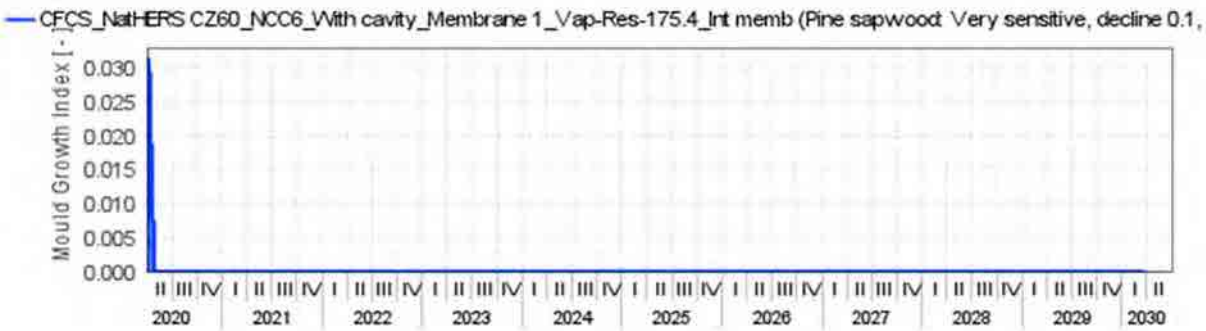

Figure 184: CFCS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

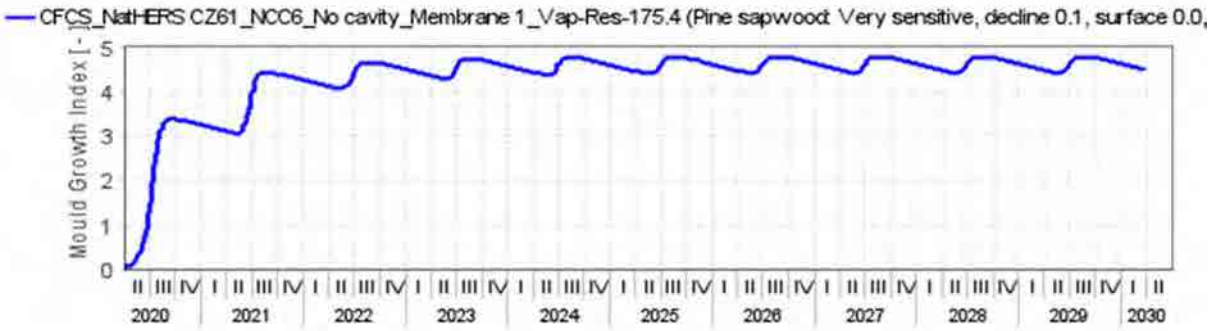

Figure 185: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

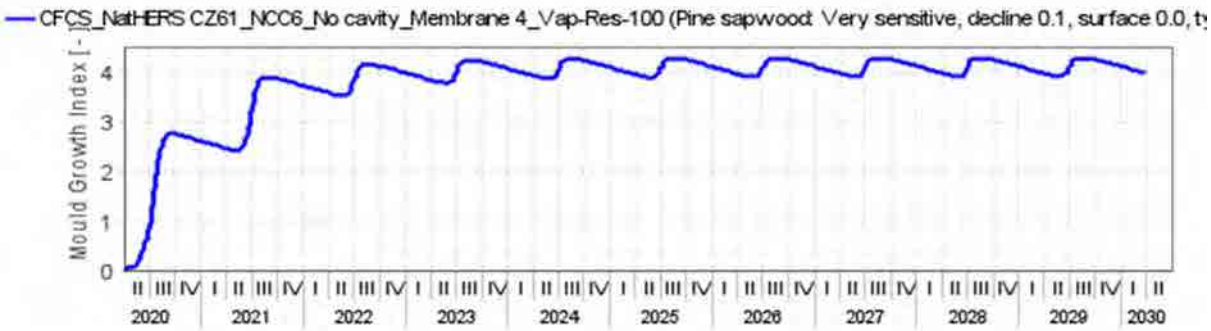

Figure 186: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 187: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 188: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

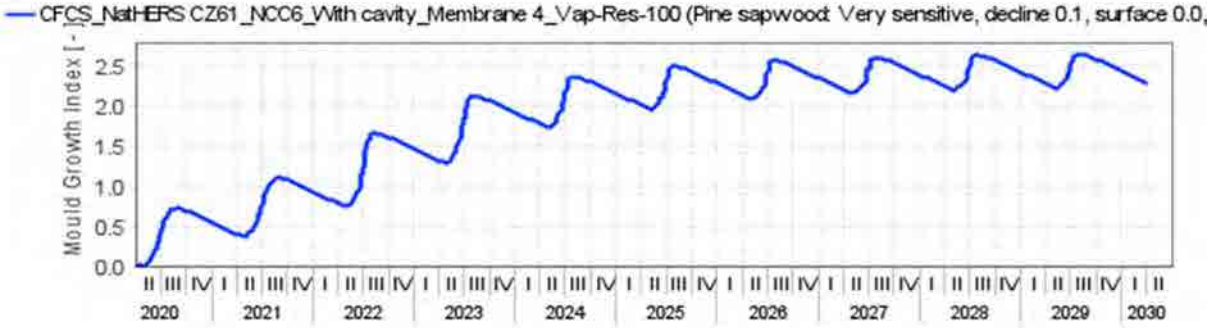

Figure 189: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

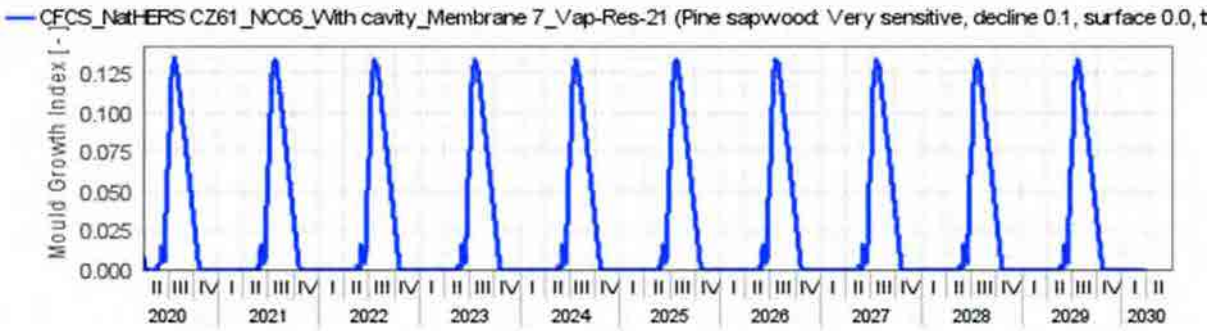

Figure 190: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

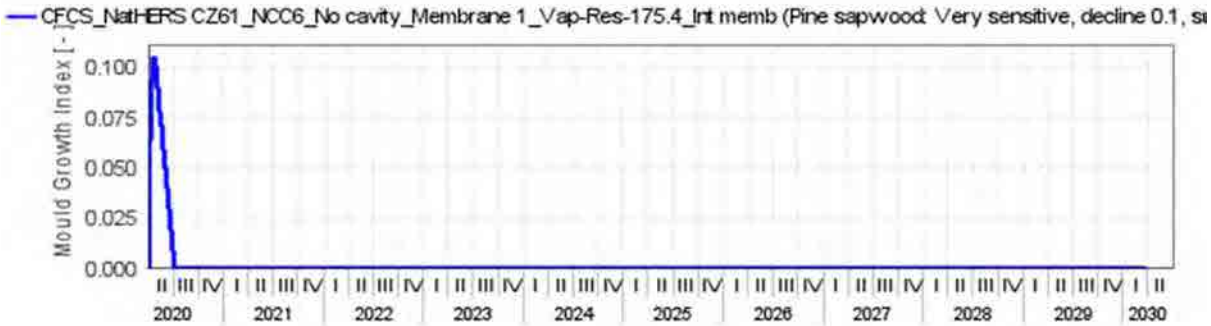

Figure 191: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

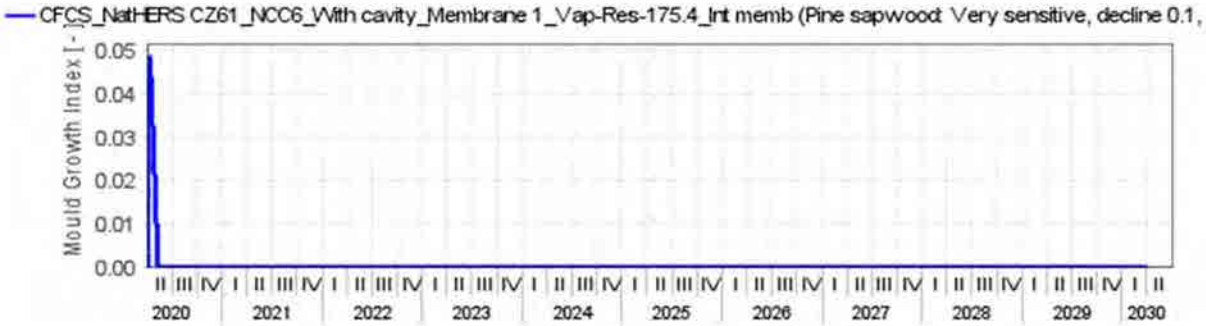

Figure 192: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

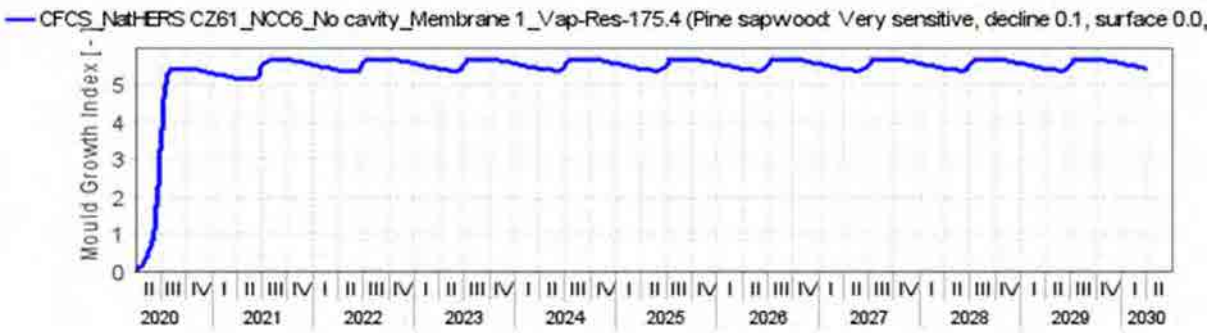

Figure 193: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

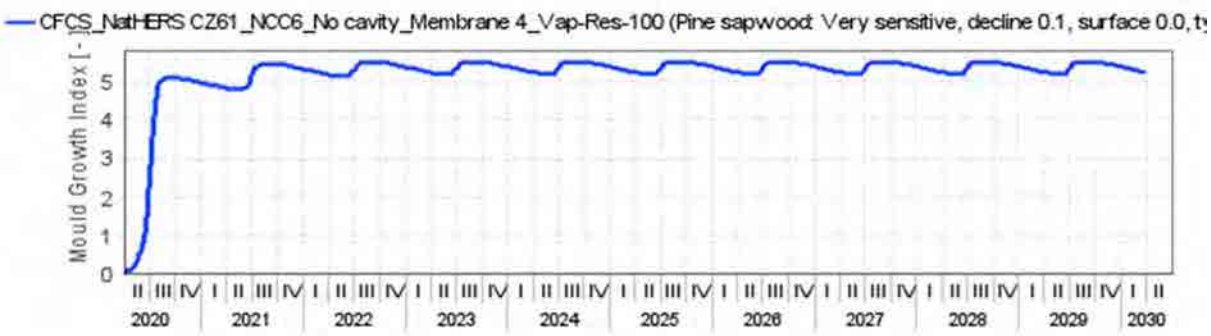

Figure 194: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

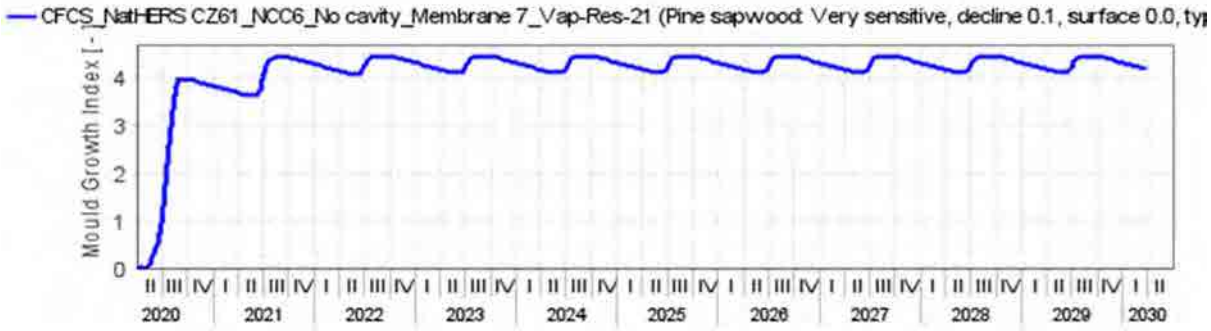

Figure 195: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

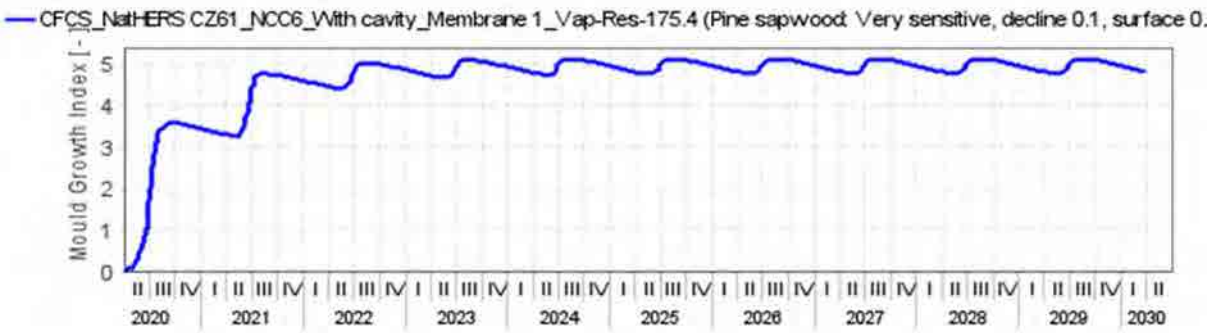

Figure 196: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

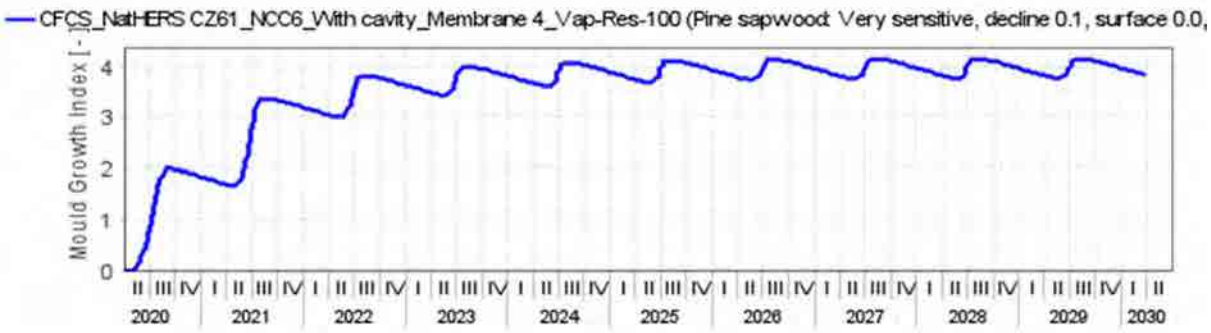

Figure 197: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

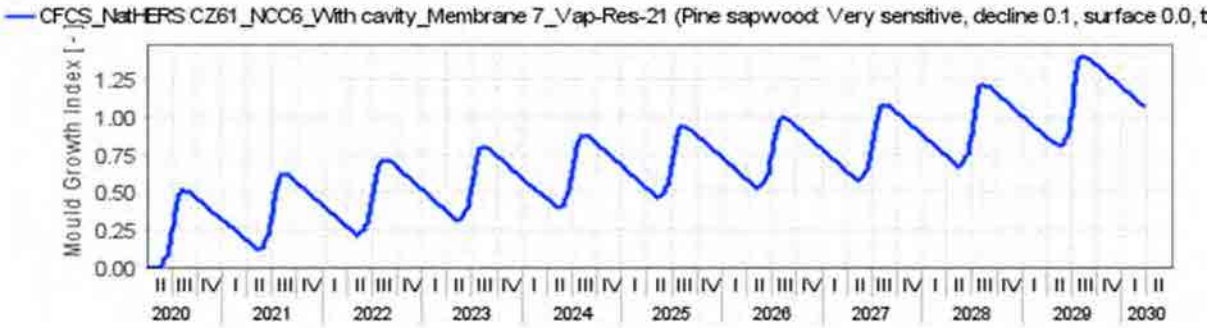

Figure 198: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

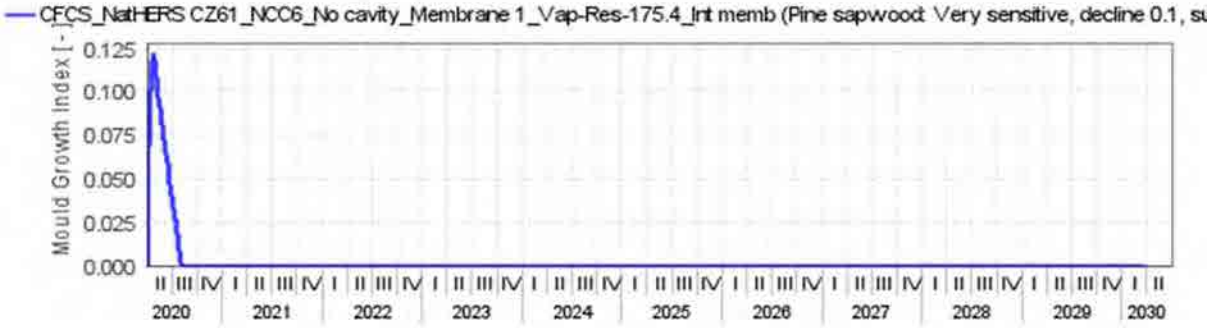

Figure 199: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

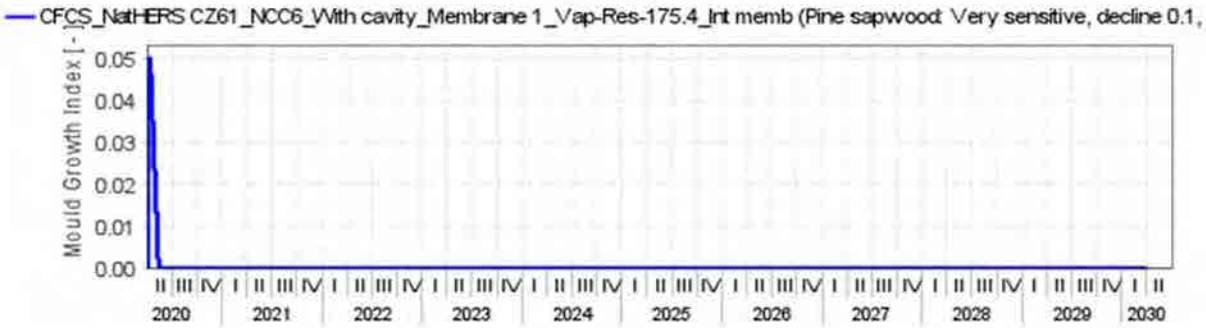

Figure 200: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

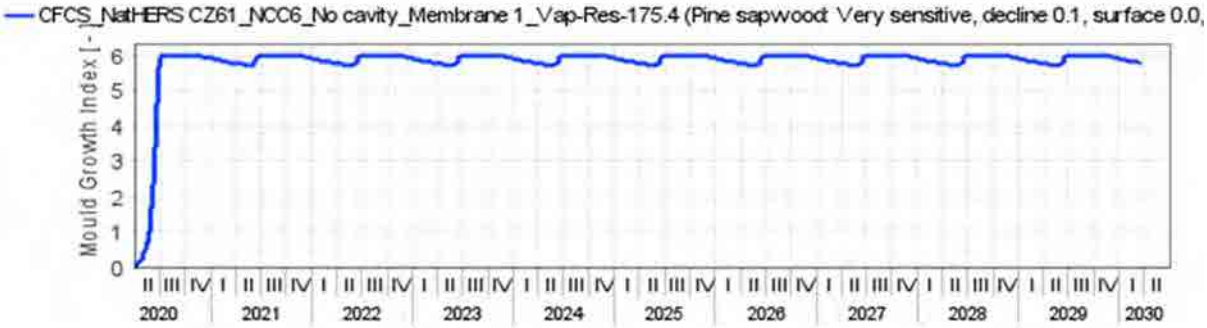

Figure 201: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

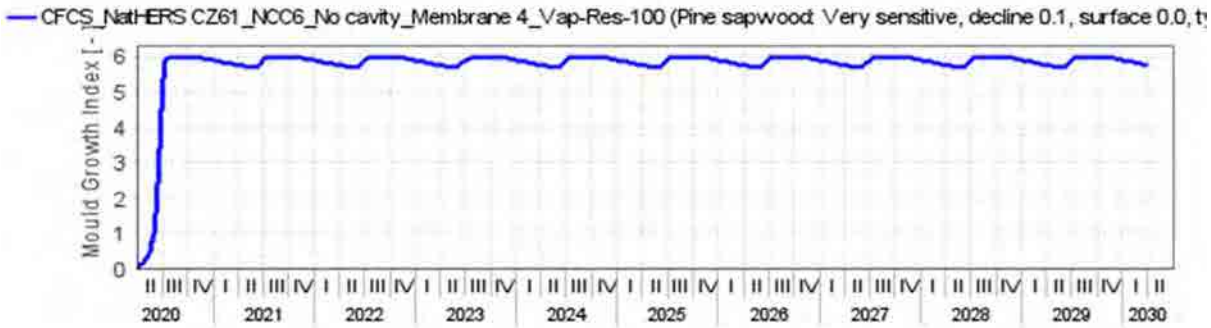

Figure 202: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

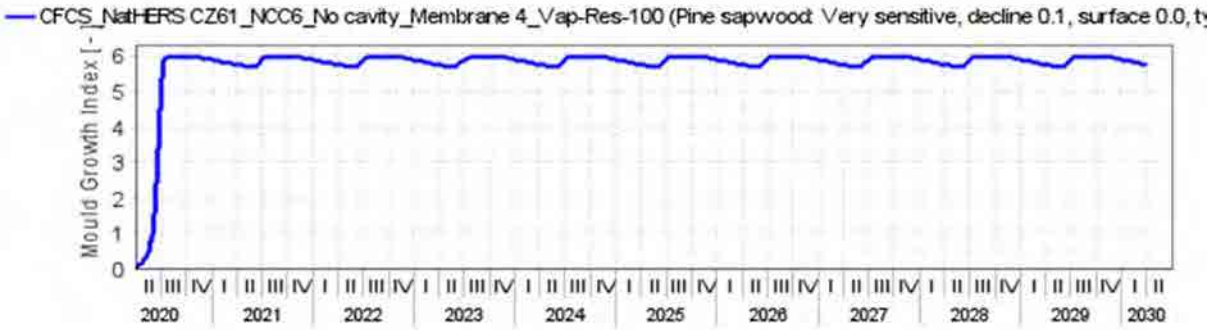

Figure 203: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

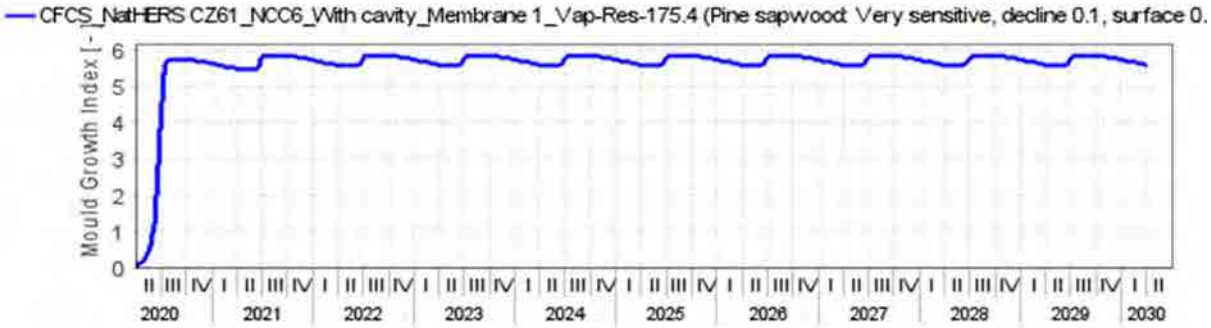

Figure 204: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

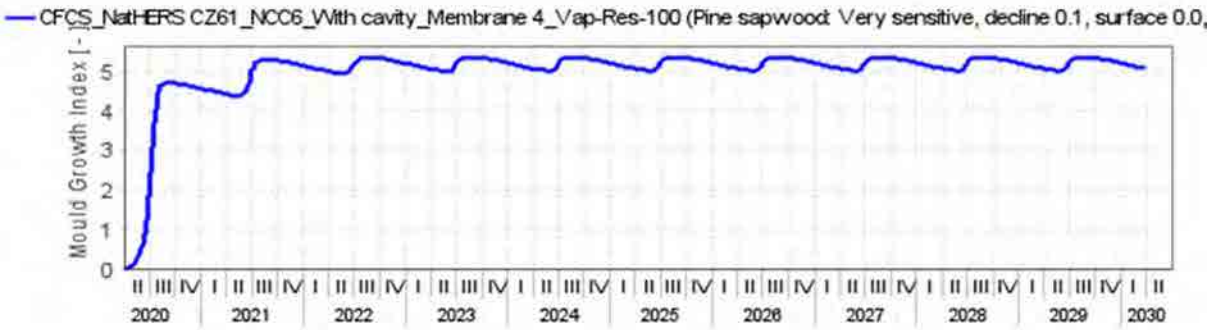

Figure 205: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

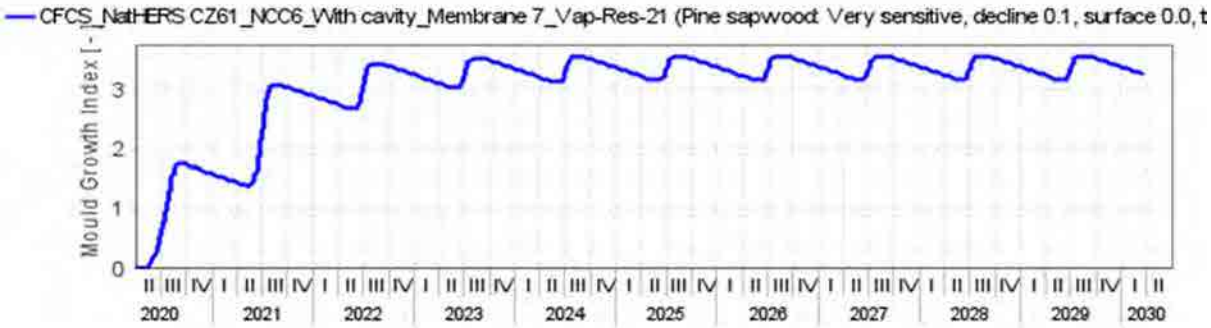

Figure 206: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

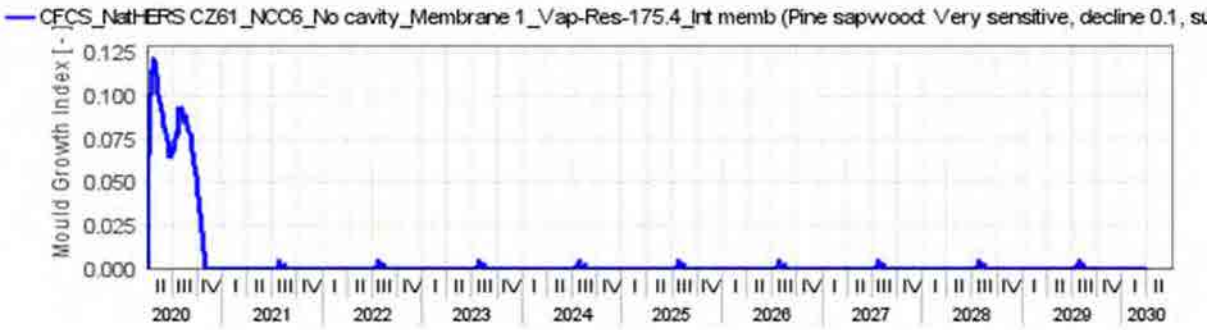

Figure 207: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

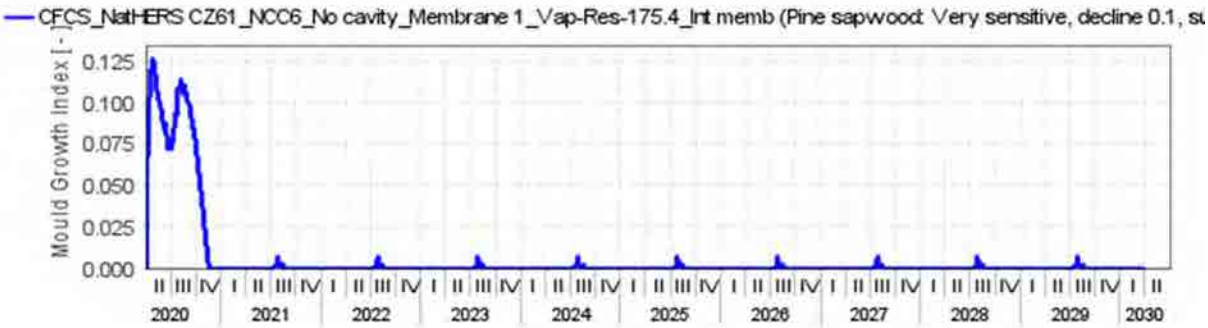

Figure 208: CFCS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

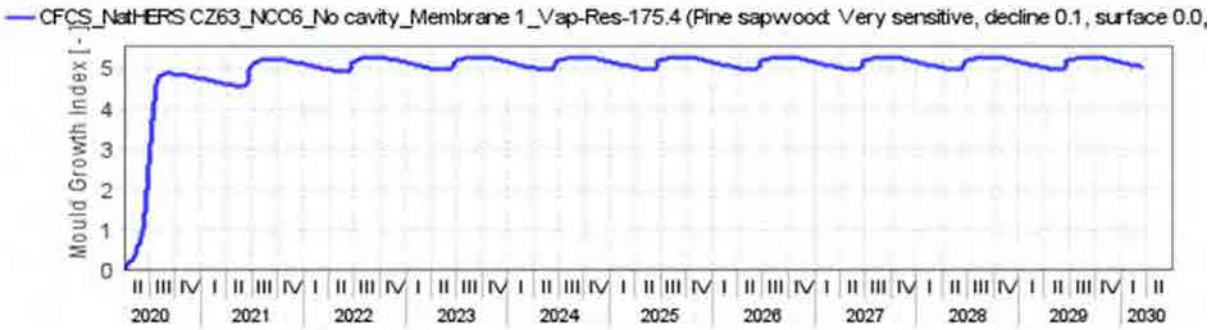

Figure 209: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

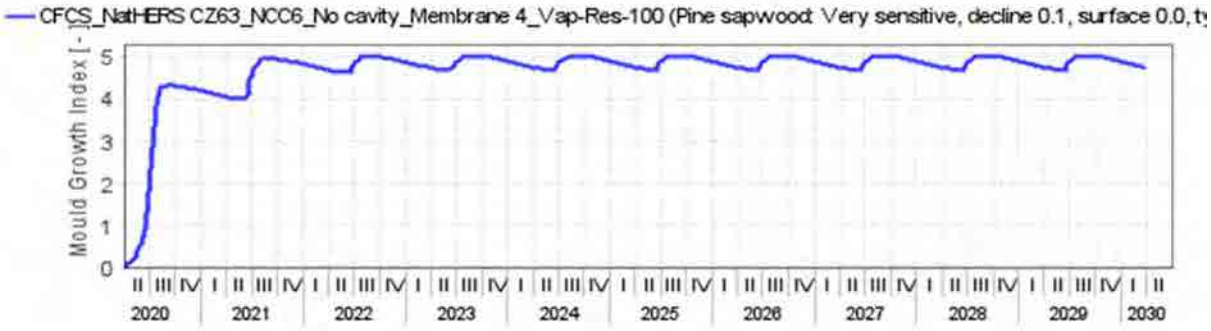

Figure 210: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

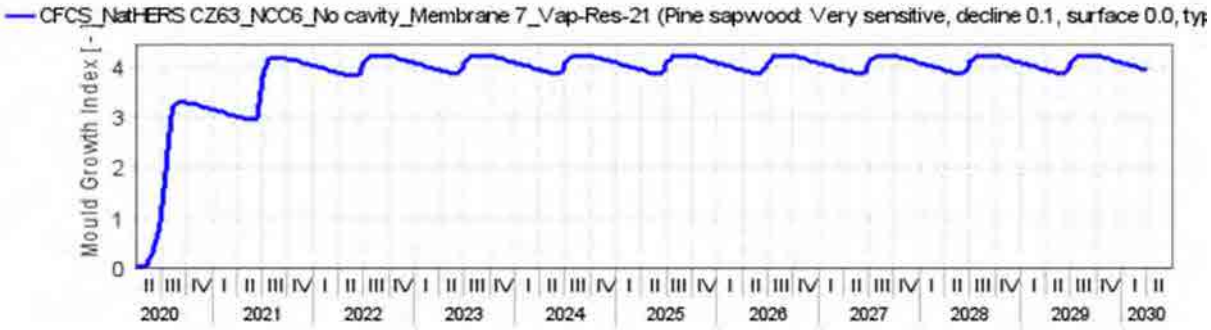

Figure 211: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

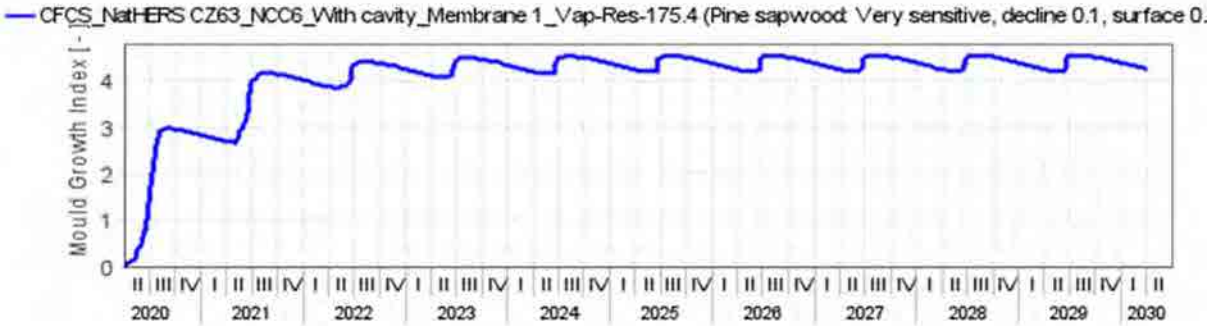

Figure 212: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 213: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

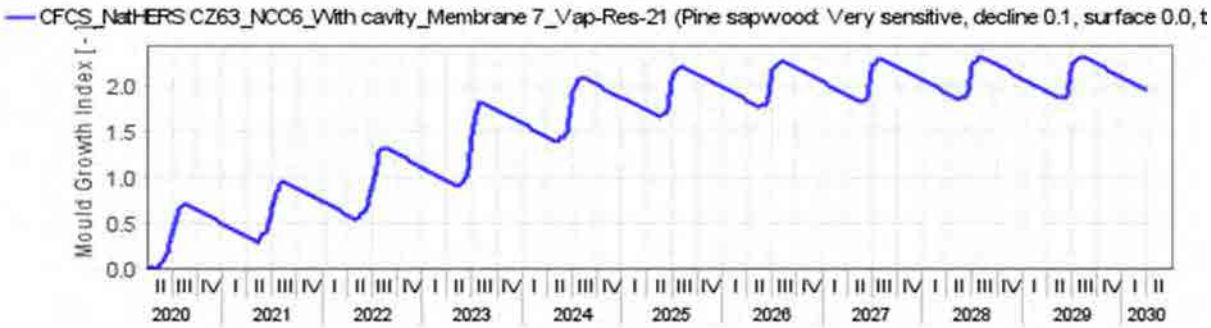

Figure 214: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

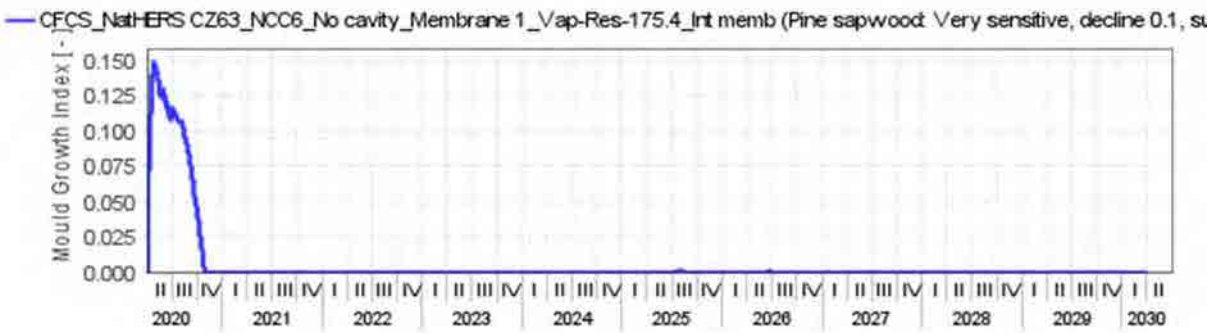

Figure 215: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

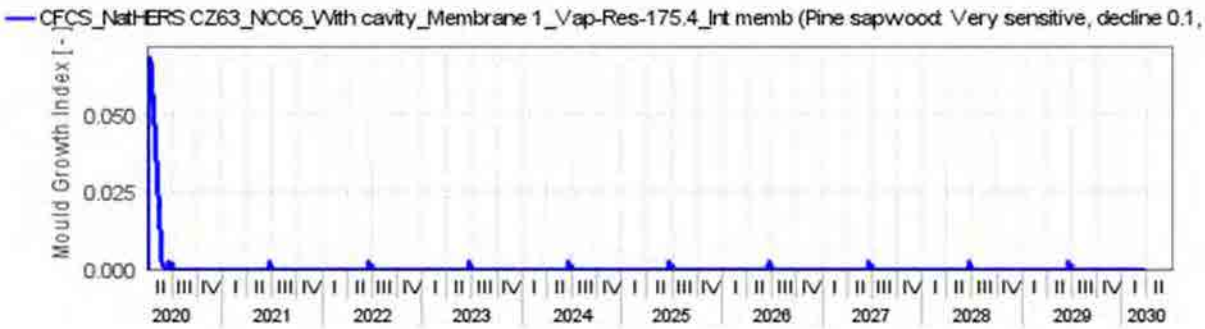

Figure 216: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

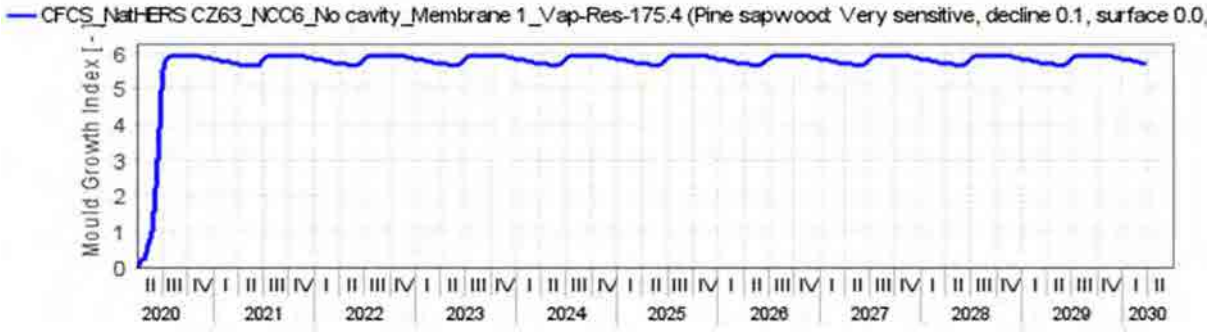

Figure 217: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

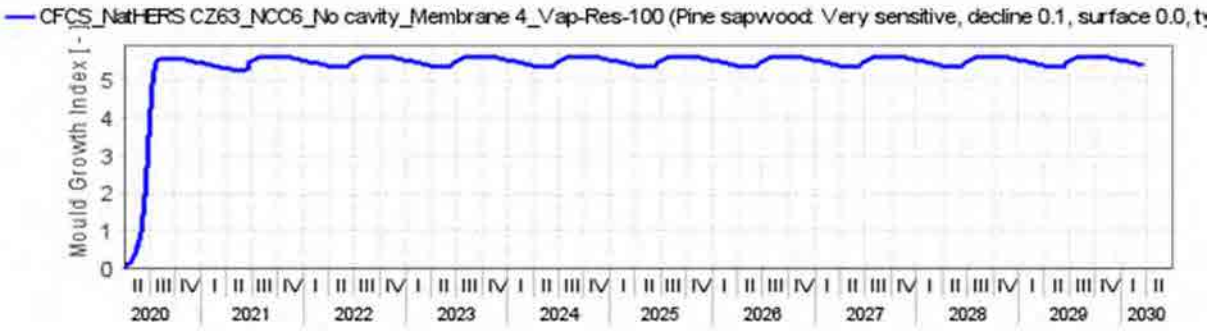

Figure 218: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

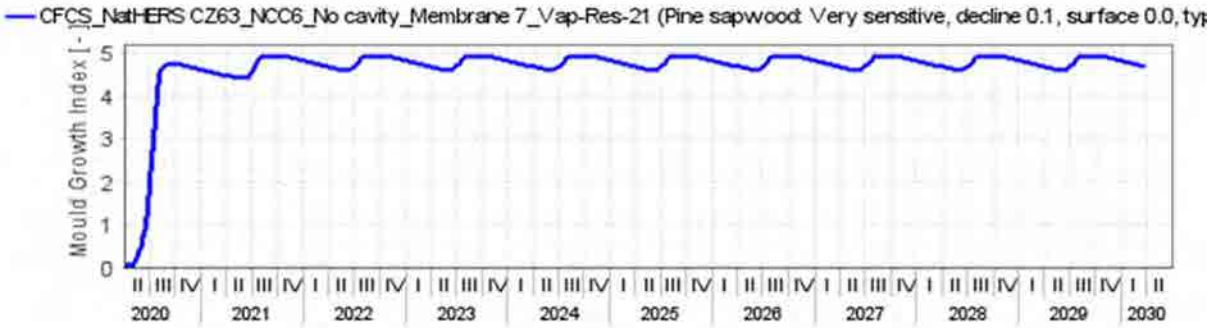

Figure 219: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

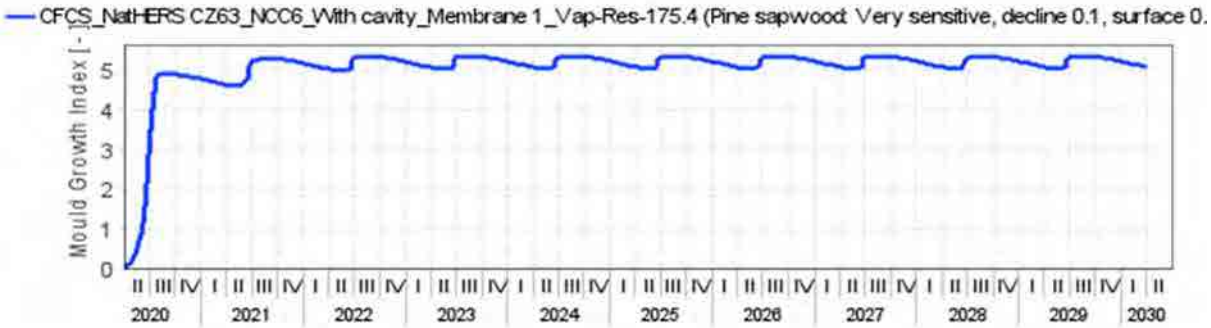

Figure 220: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

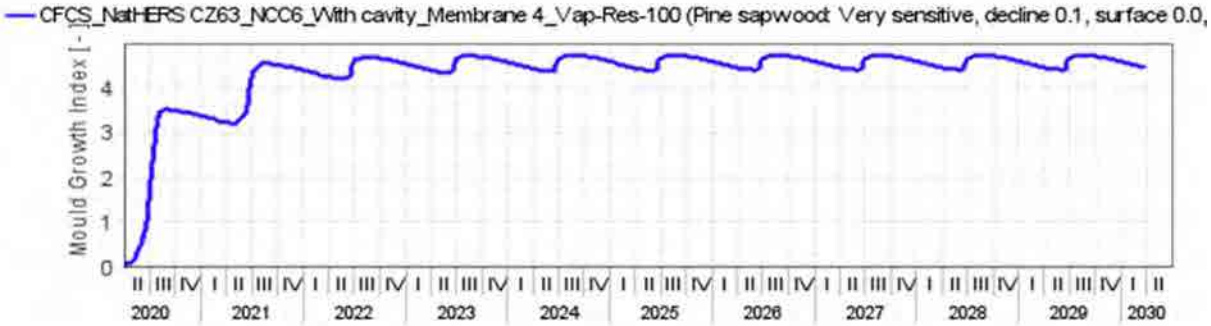

Figure 221: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 222: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

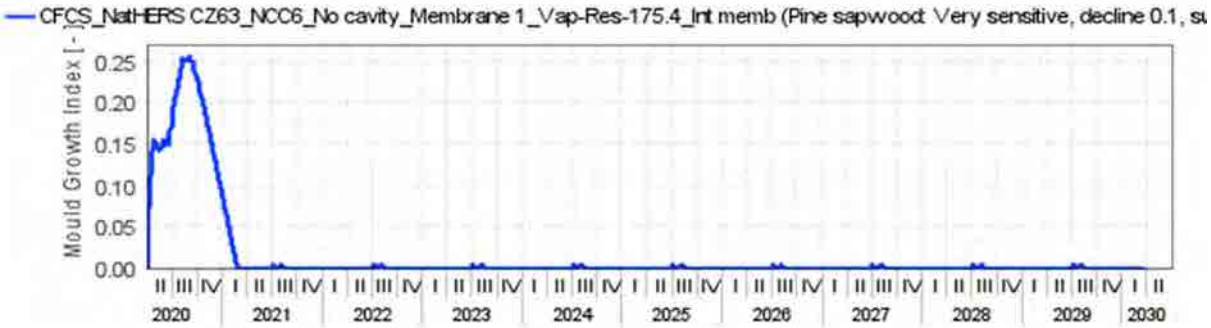

Figure 223: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

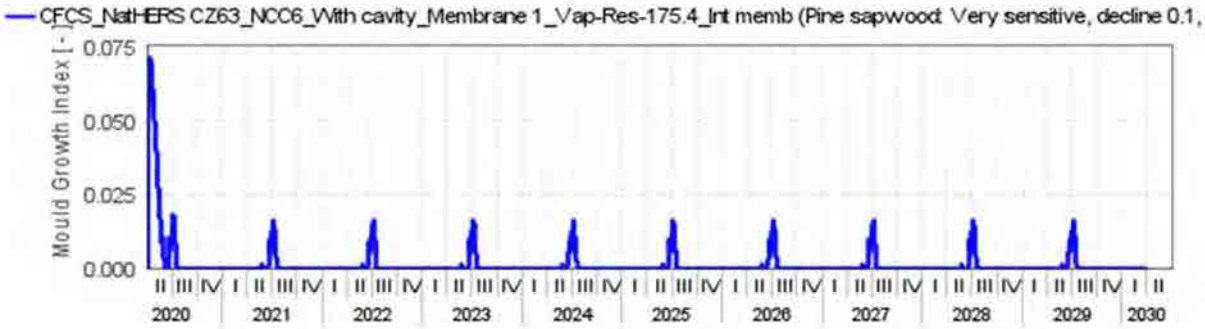

Figure 224: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

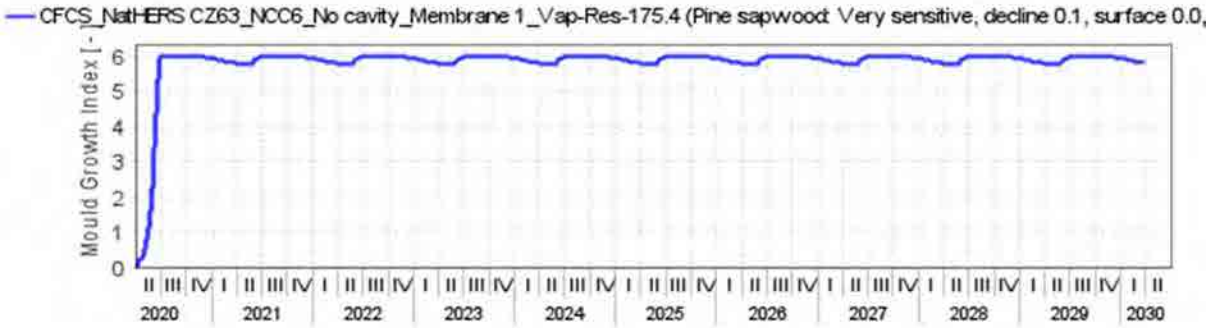

Figure 225: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

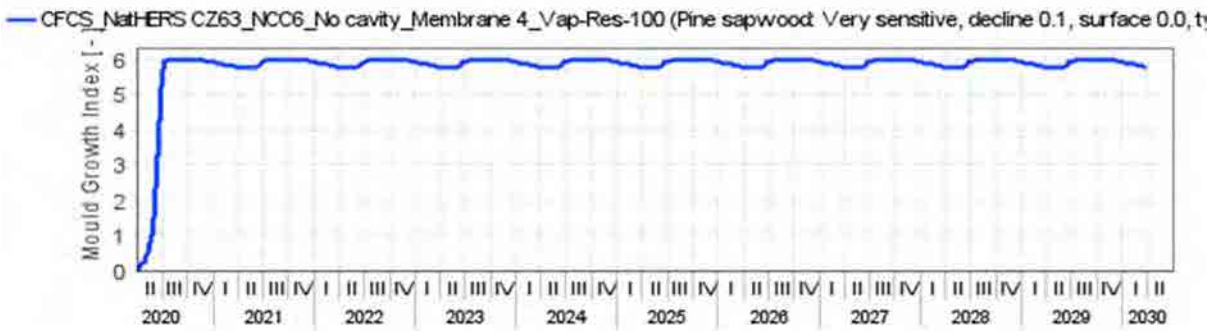

Figure 226: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

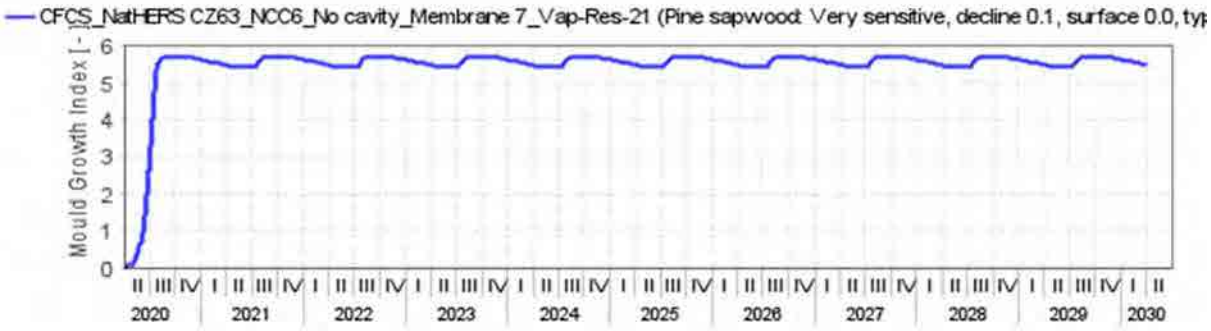

Figure 227: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

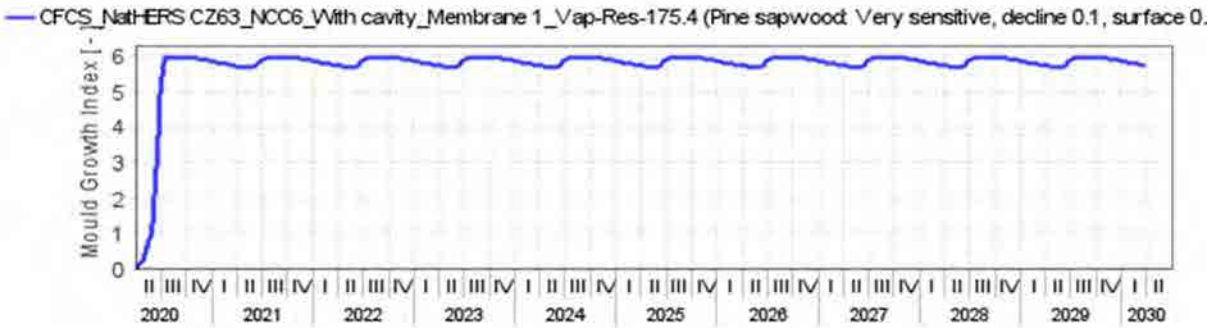

Figure 228: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

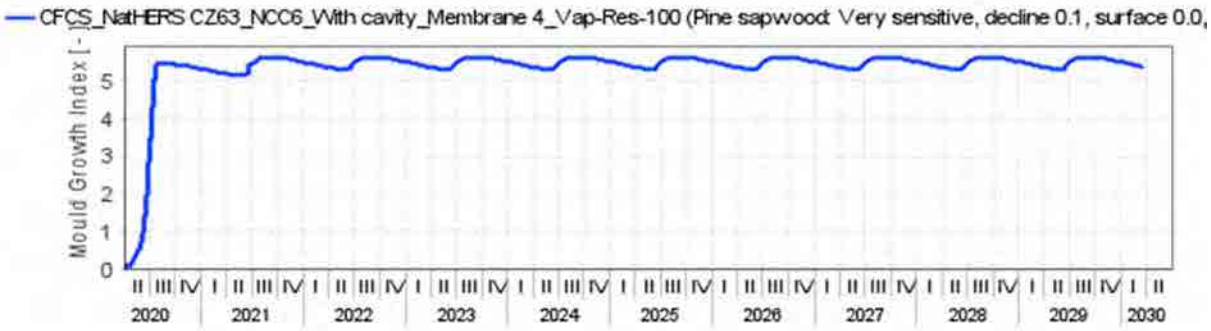

Figure 229: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

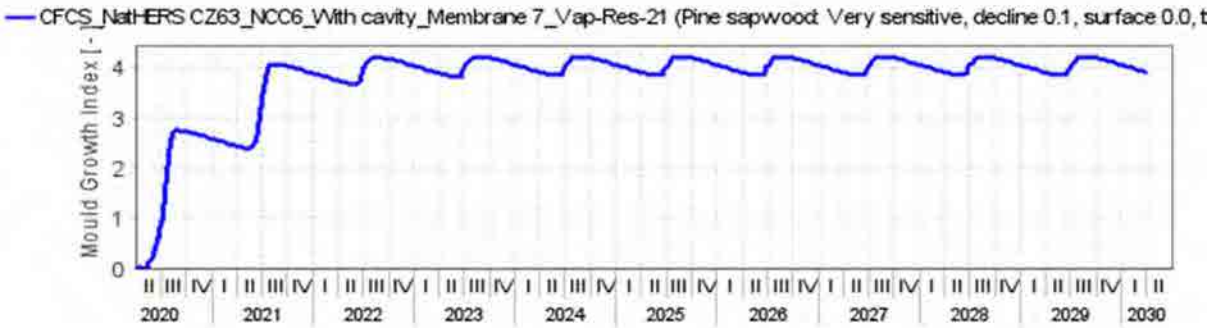

Figure 230: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

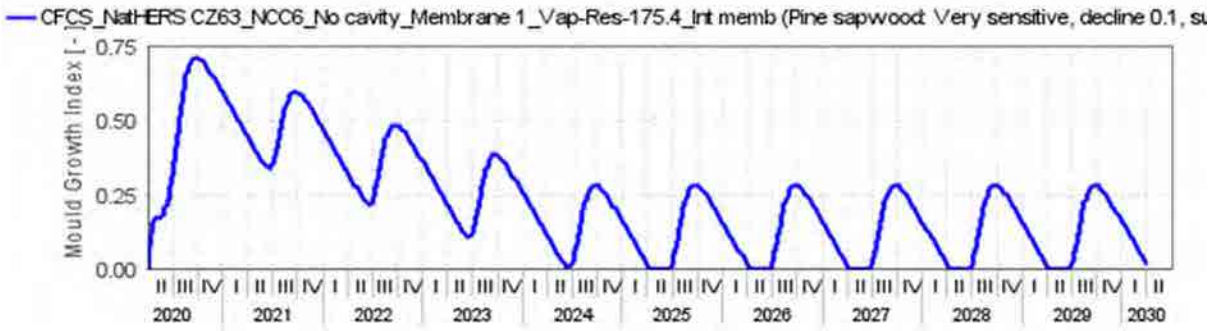

Figure 231: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

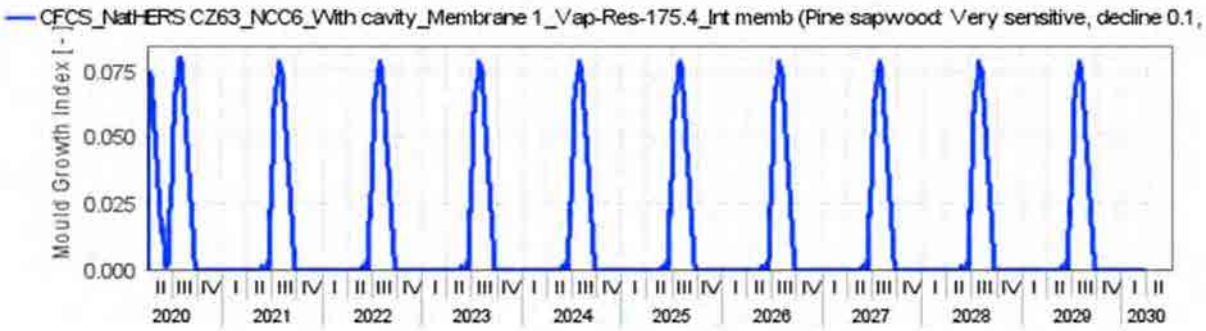

Figure 232: CFCS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

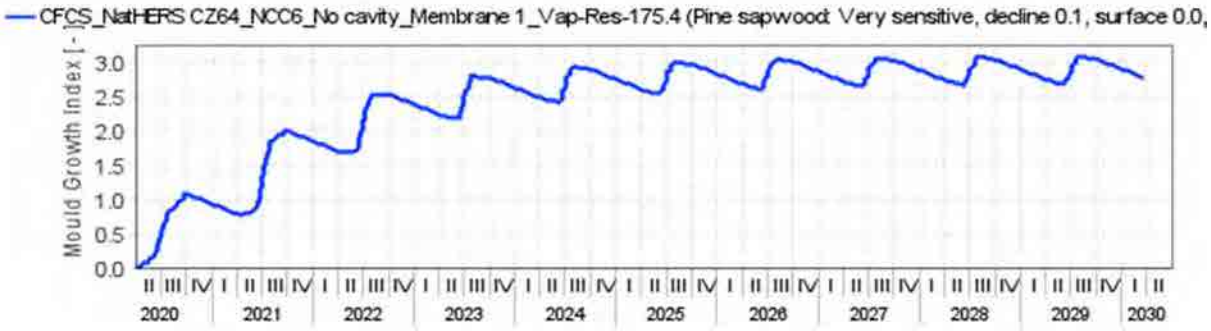

Figure 233: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

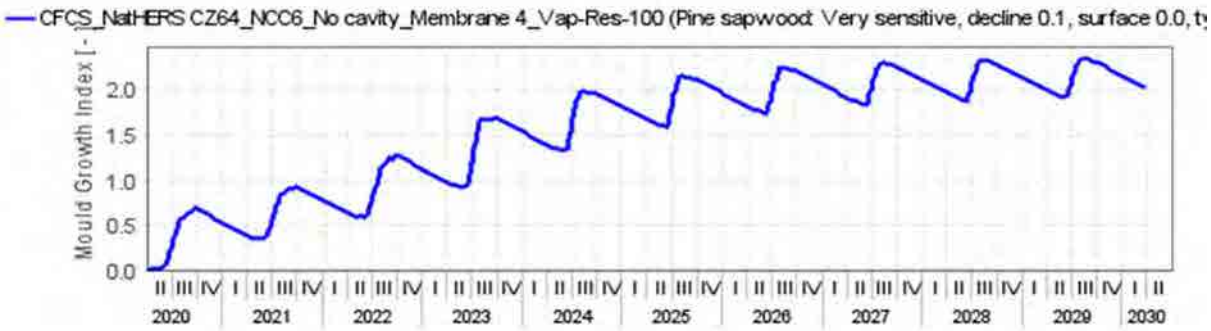

Figure 234: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

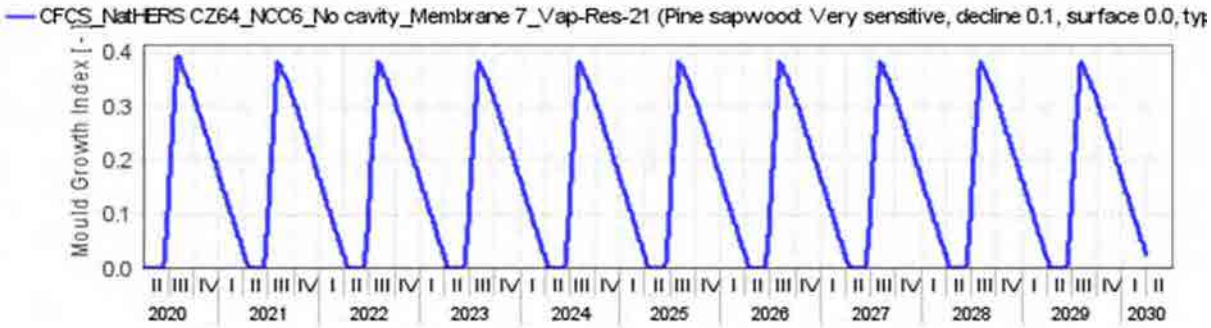

Figure 235: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

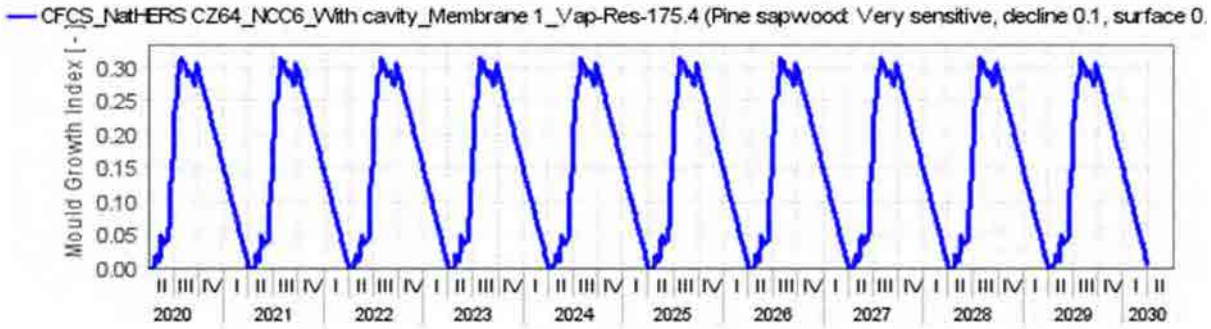

Figure 236: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

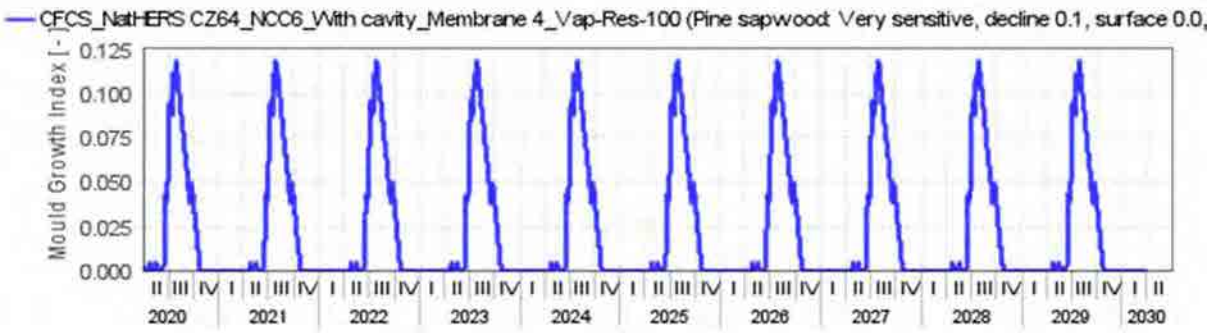

Figure 237: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

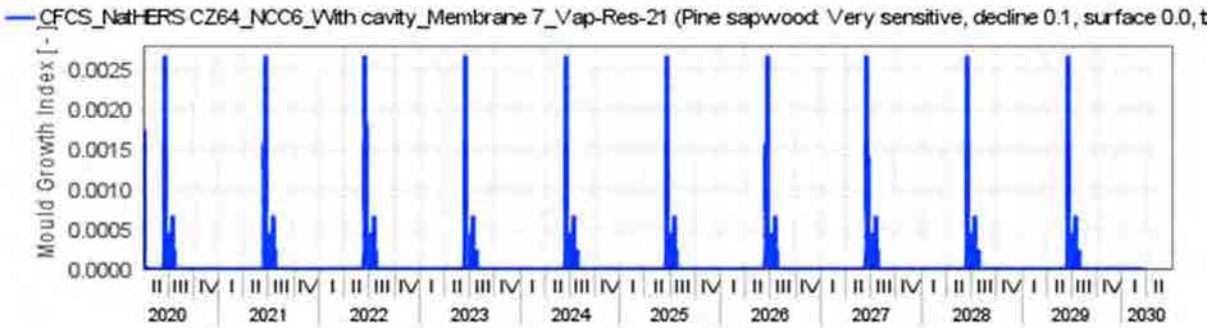

Figure 238: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

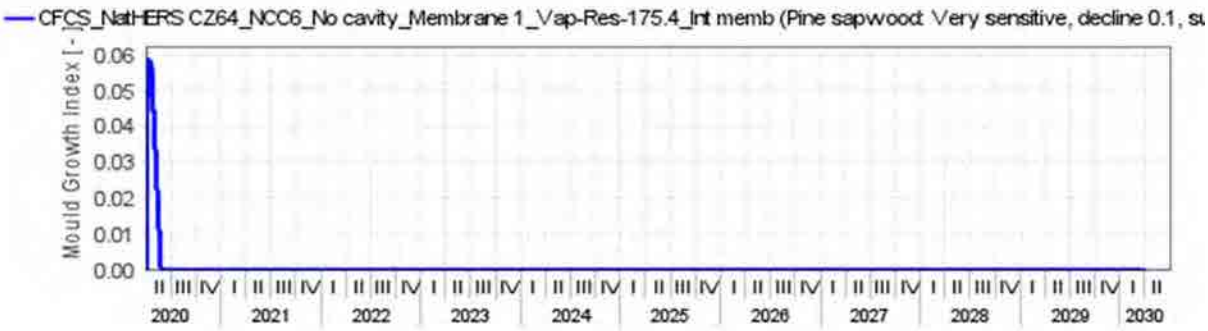

Figure 239: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

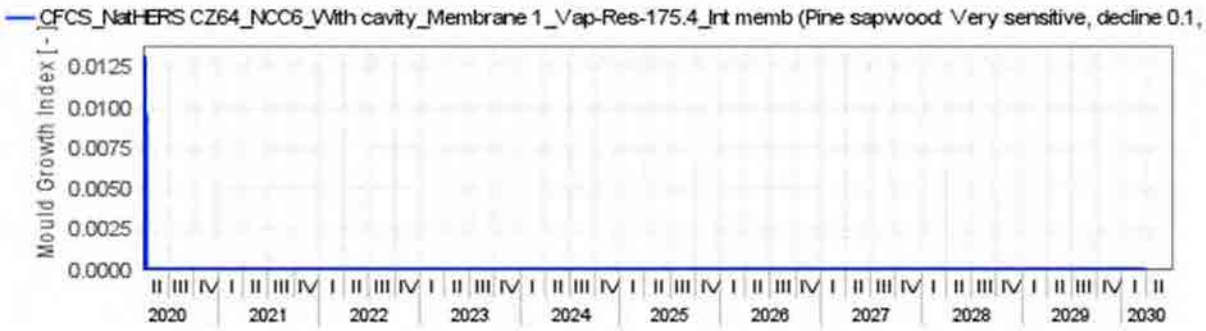

Figure 240: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

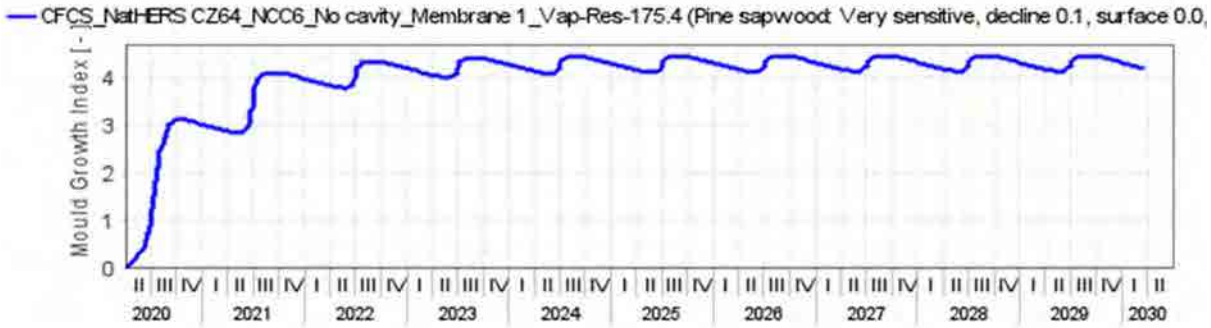

Figure 241: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

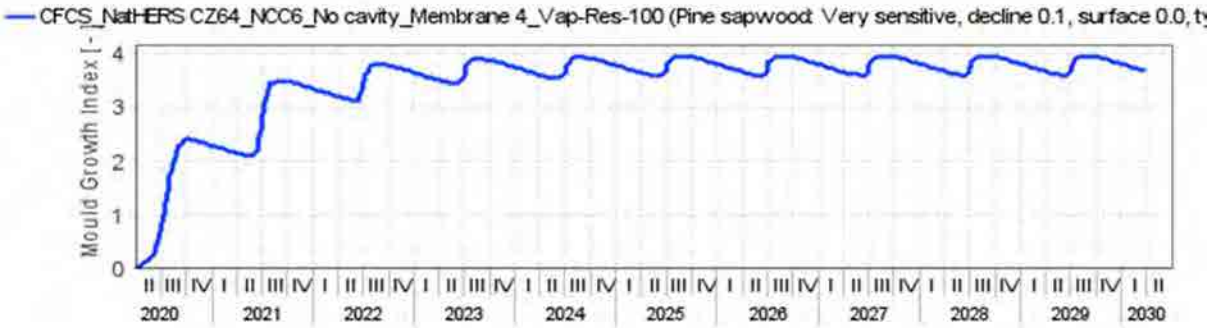

Figure 242: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

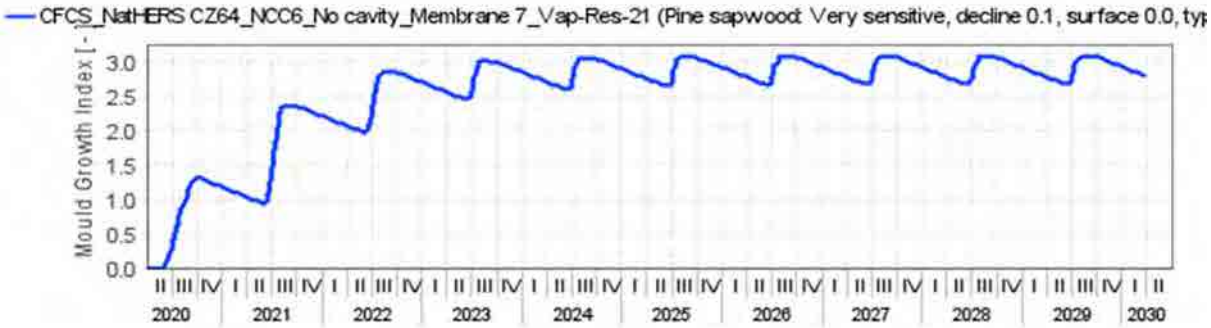

Figure 243: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 244: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

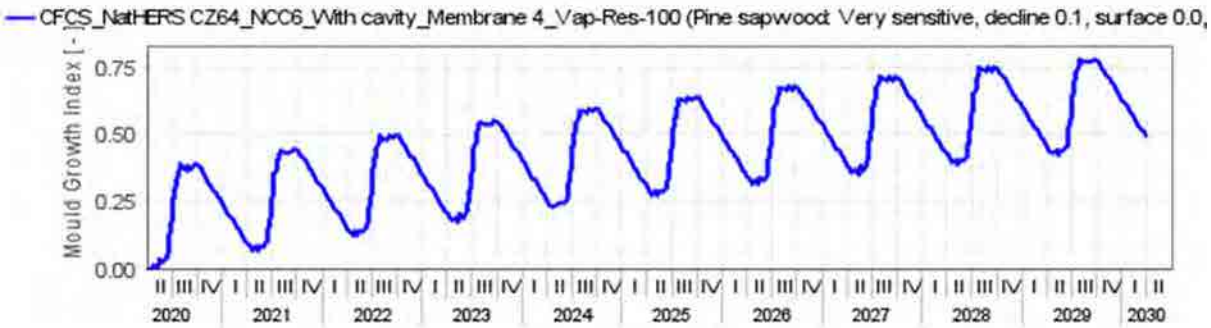

Figure 245: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

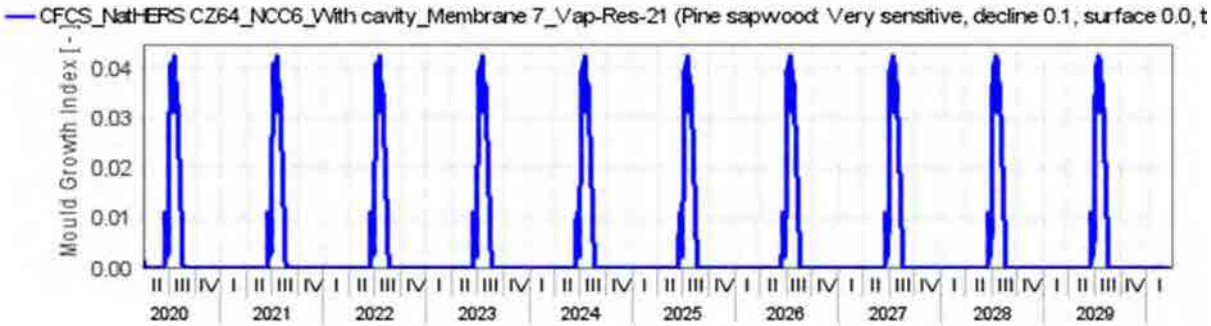

Figure 246: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

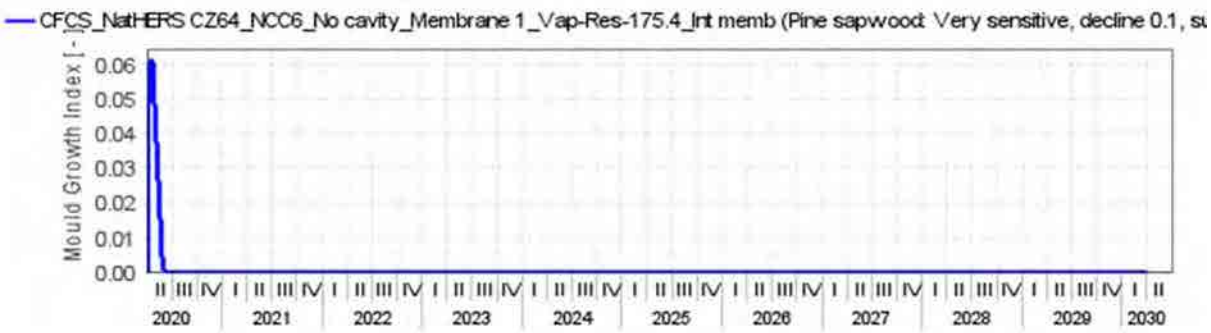

Figure 247: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

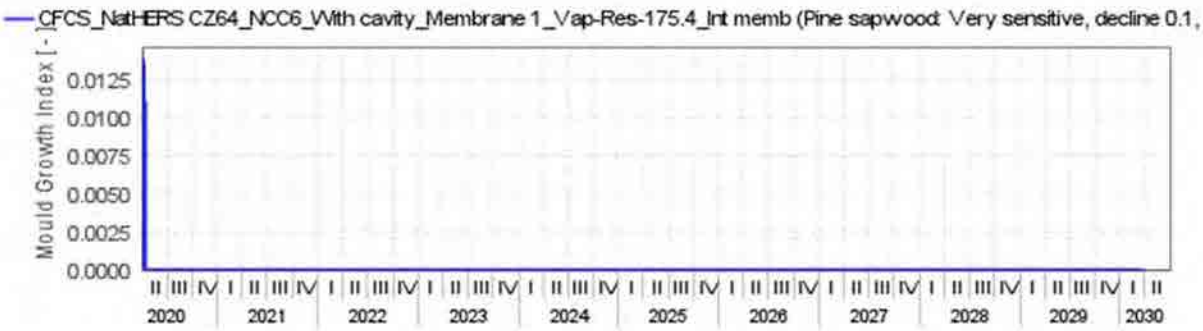

Figure 248: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

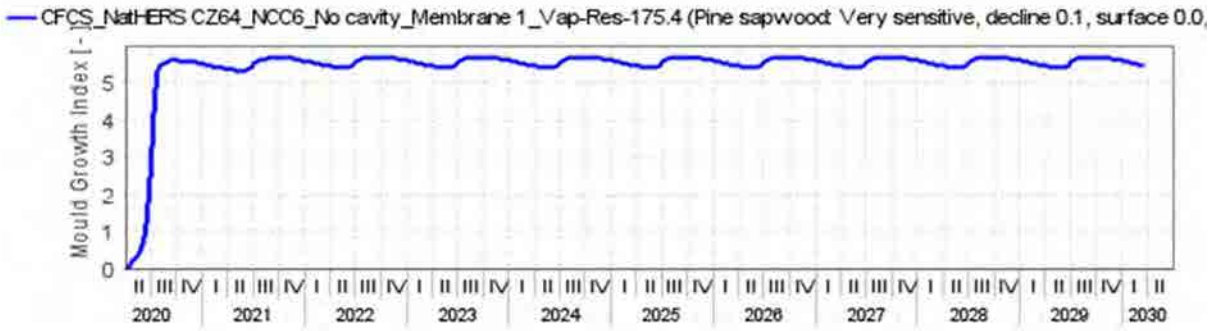

Figure 249: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

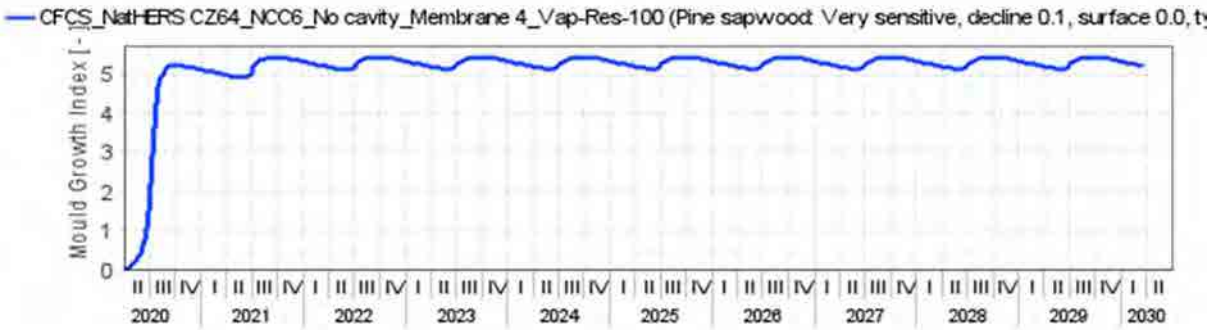

Figure 250: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

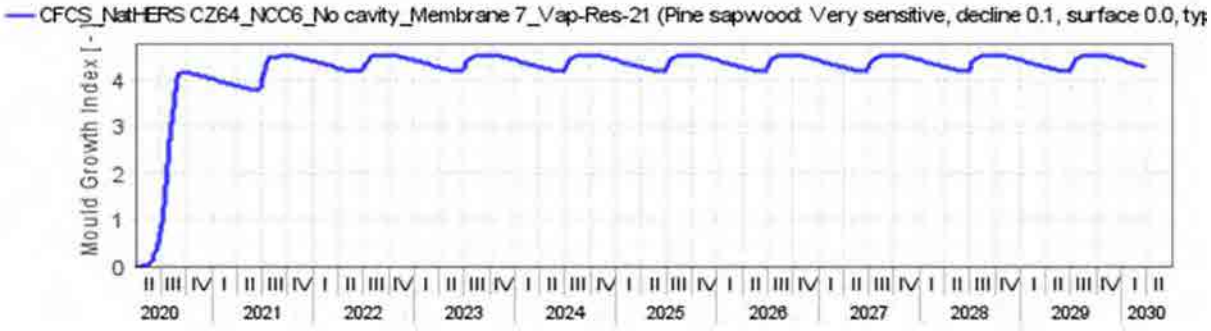

Figure 251: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

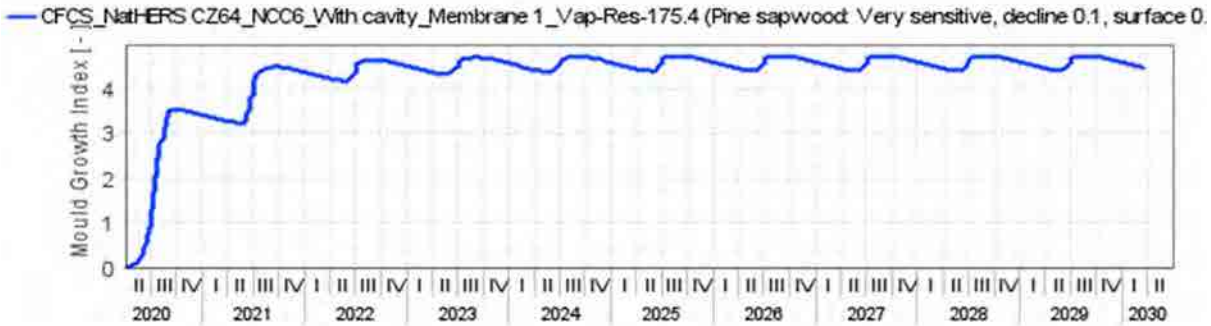

Figure 252: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

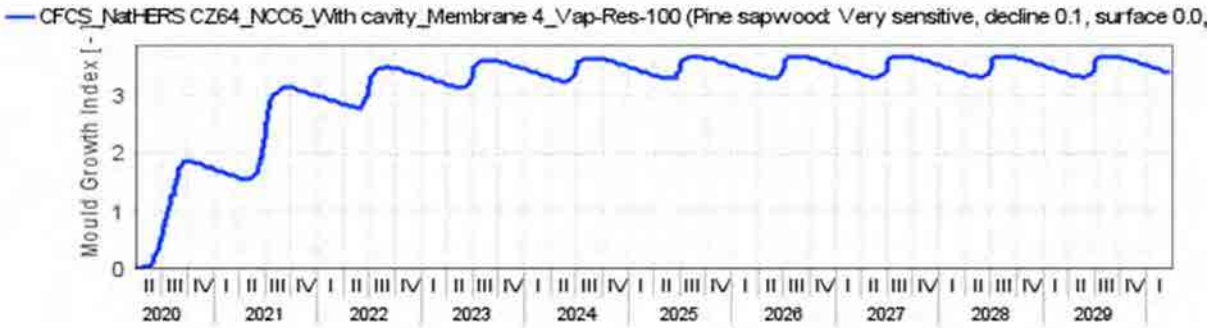

Figure 253: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

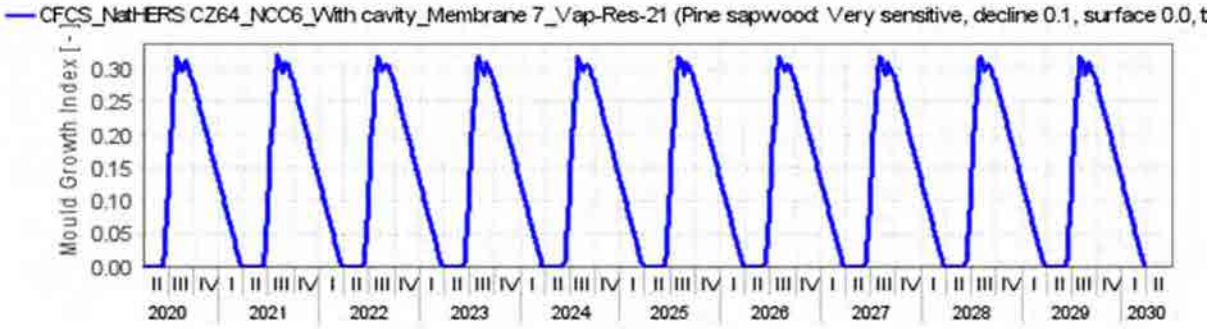

Figure 254: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

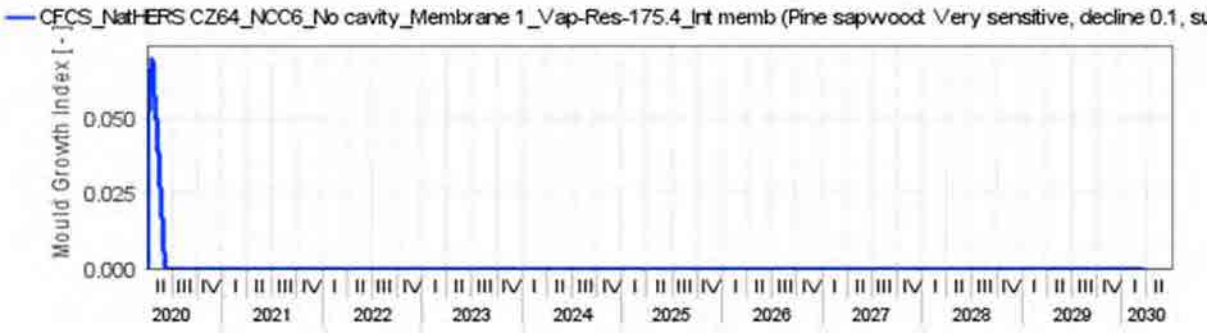

Figure 255: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

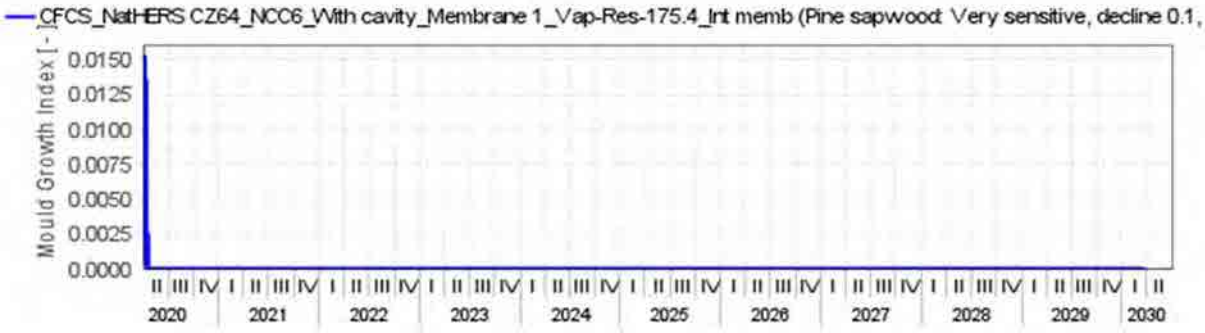

Figure 256: CFCS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 6 Star and 7 Star Compressed fibre cement sheet cladding with insulated frame

ACR 10 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

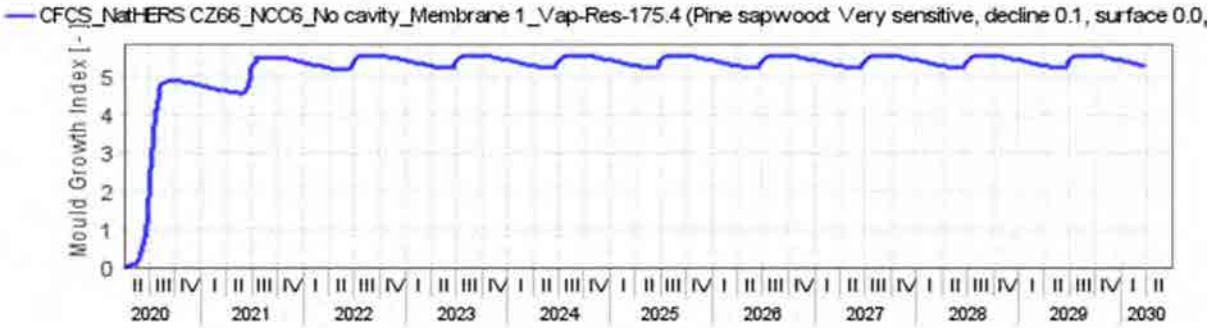

Figure 257: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

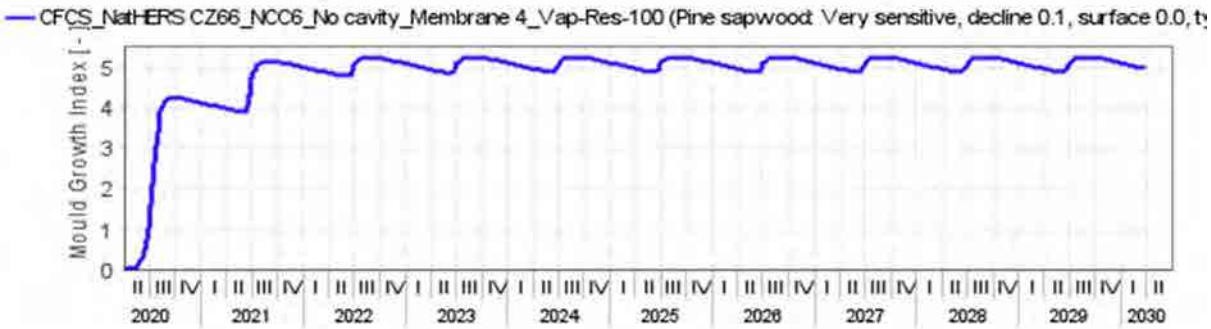

Figure 258: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

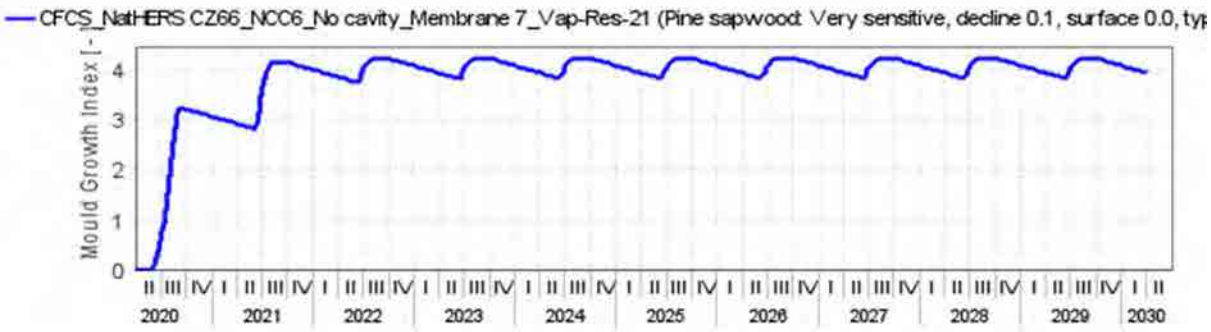

Figure 259: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 260: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

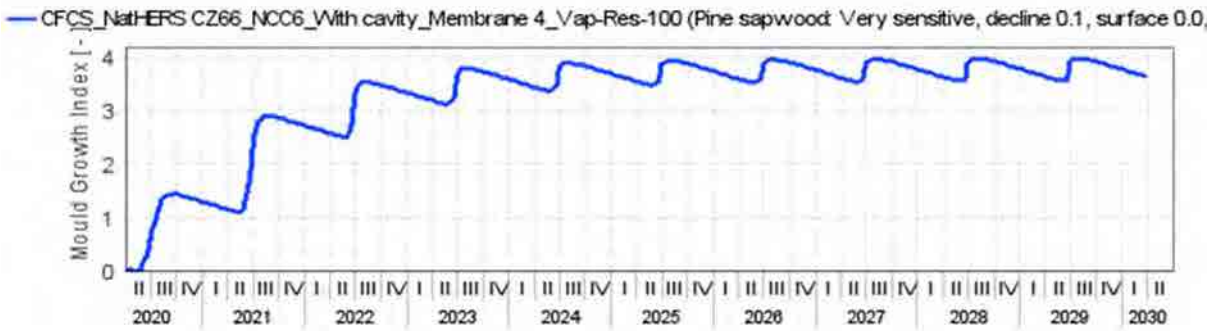

Figure 261: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

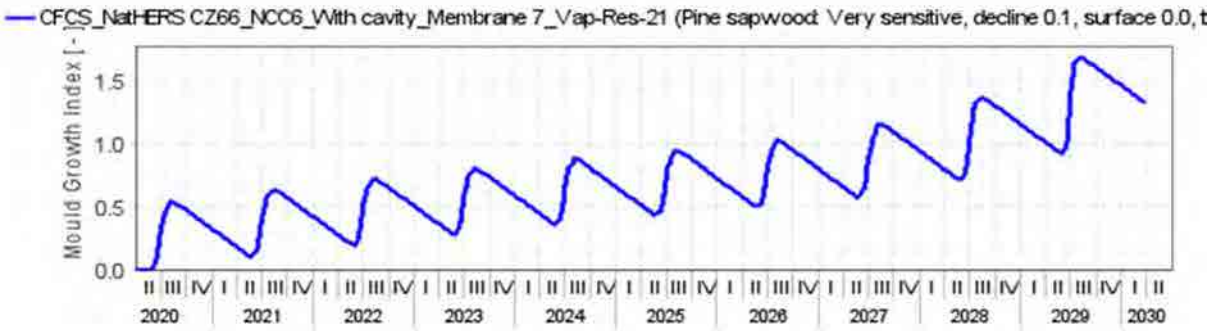

Figure 262: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

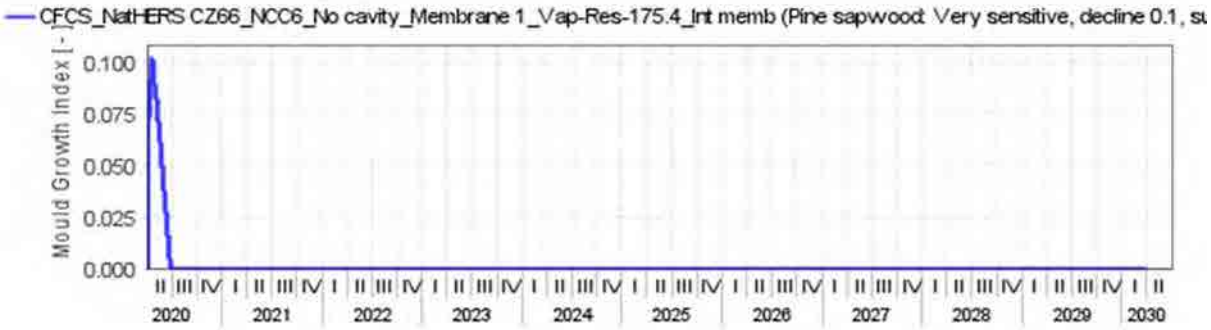

Figure 263: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

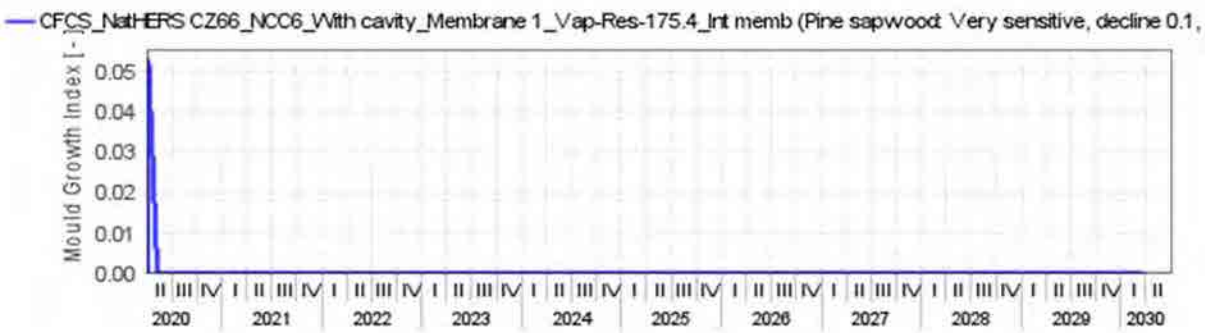

Figure 264: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

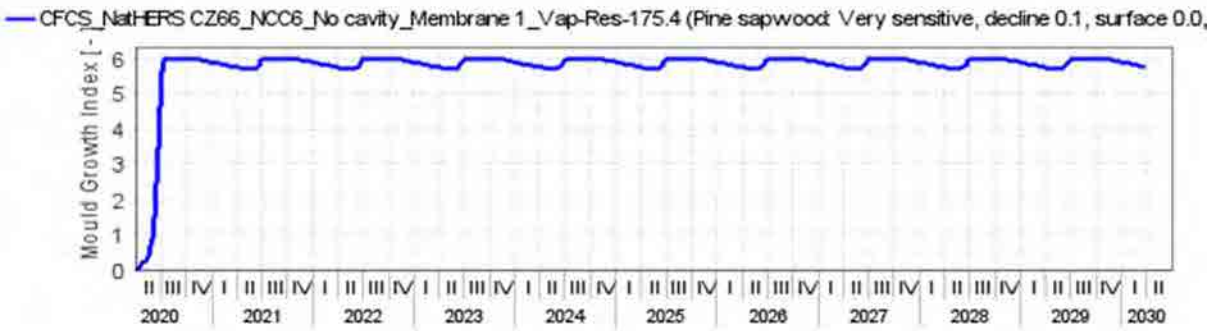

Figure 265: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

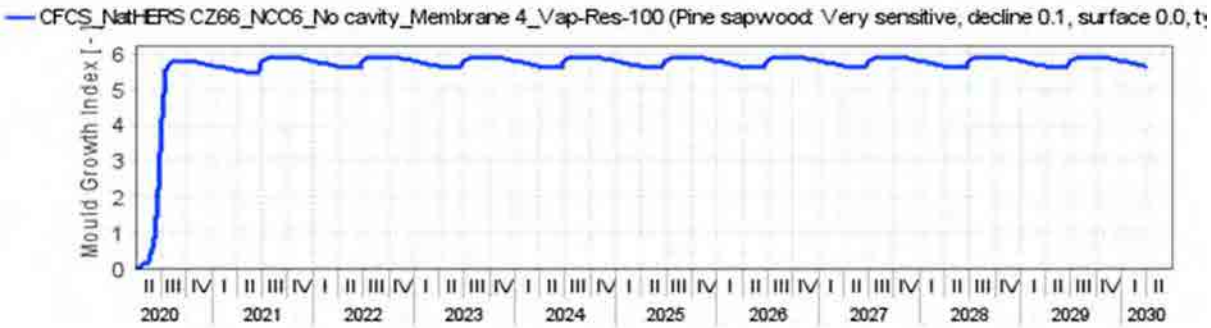

Figure 266: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

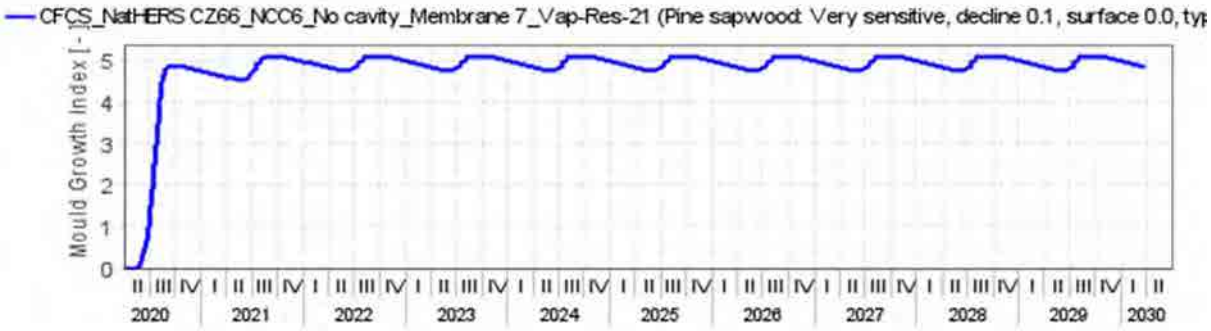

Figure 267: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

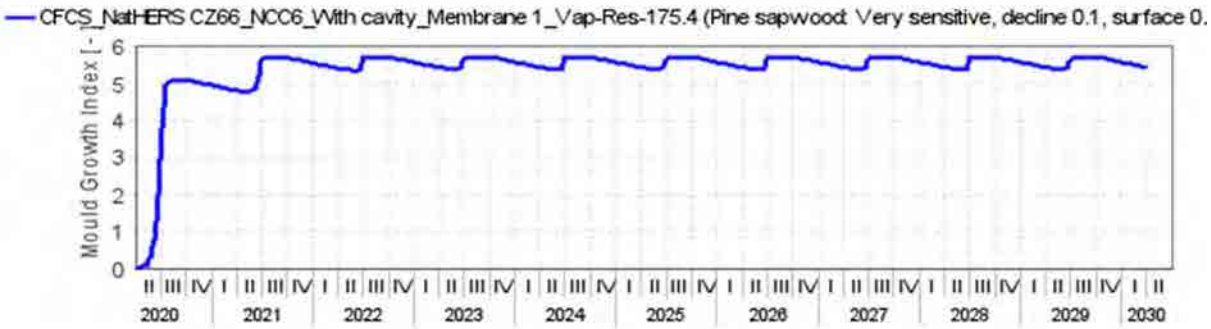

Figure 268: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

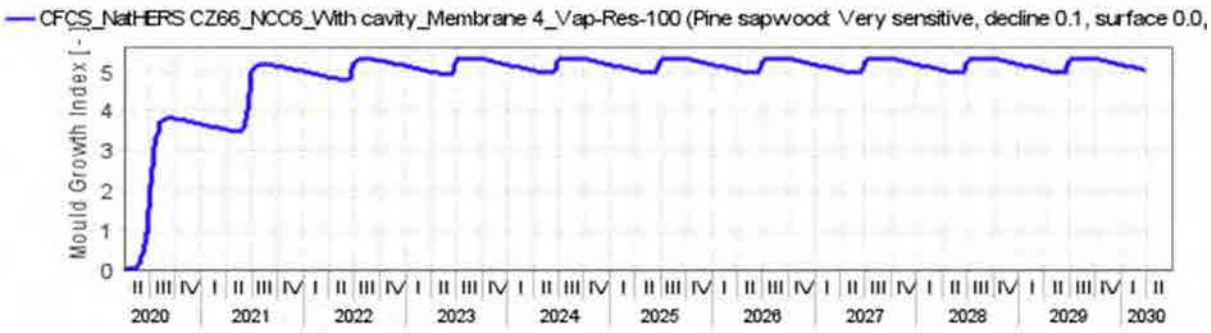

Figure 269: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

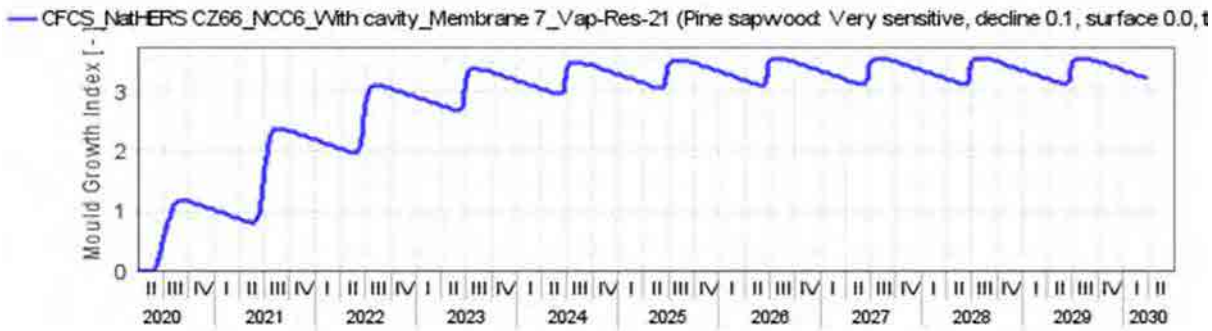

Figure 270: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

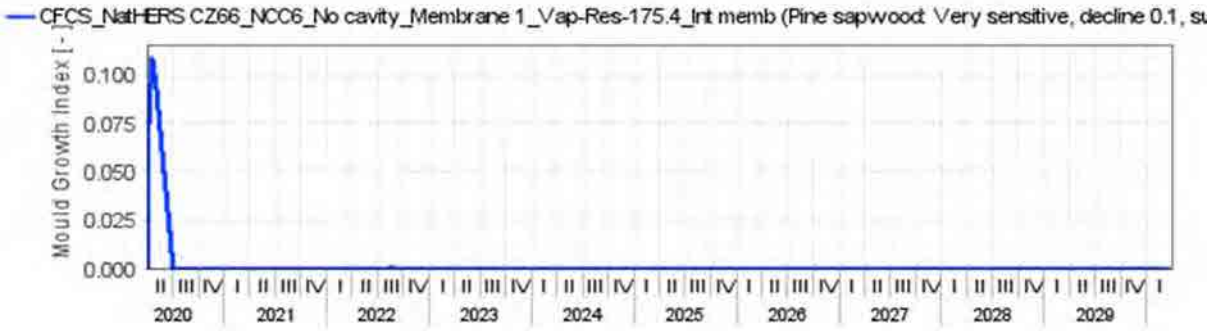

Figure 271: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

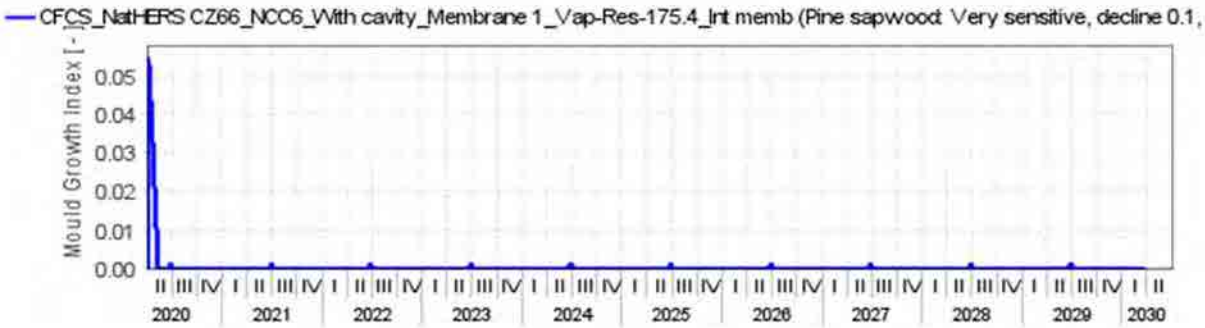

Figure 272: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Compressed fibre cement sheet cladding - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

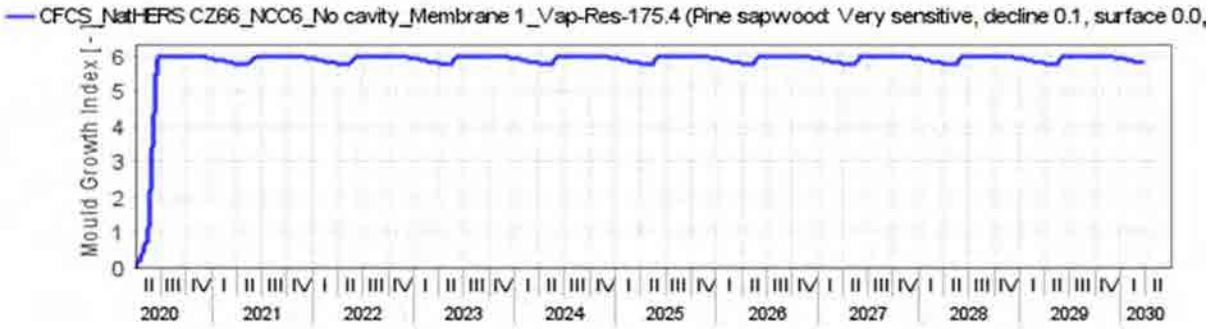

Figure 273: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

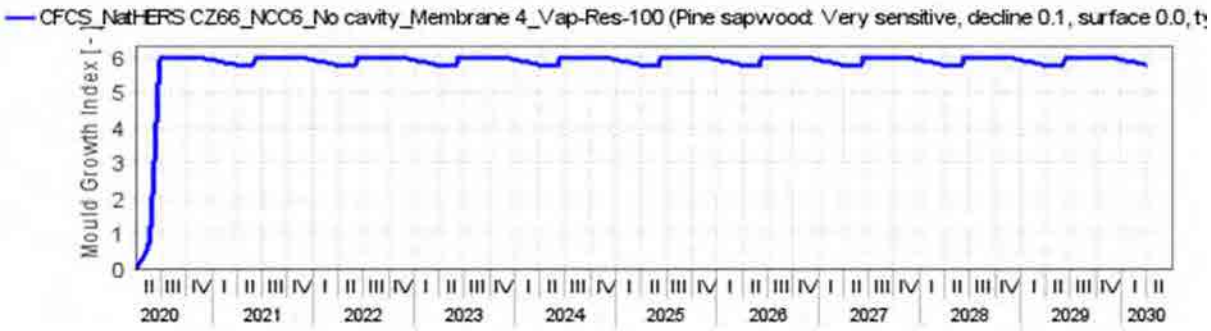

Figure 274: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

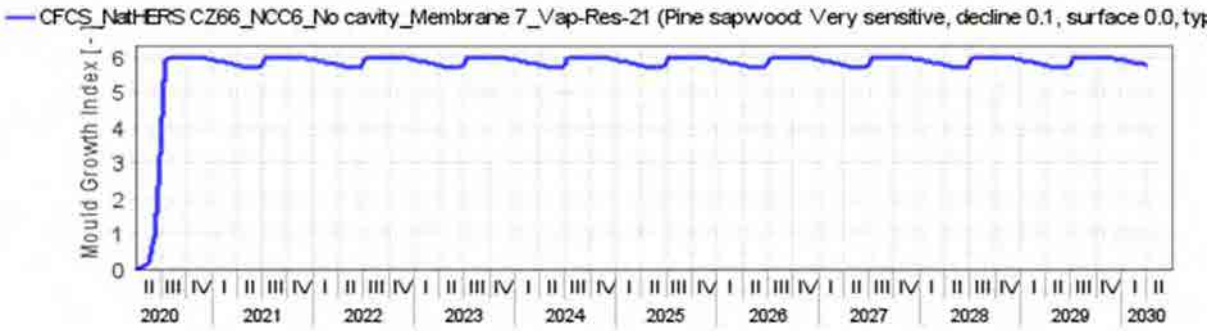

Figure 275: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

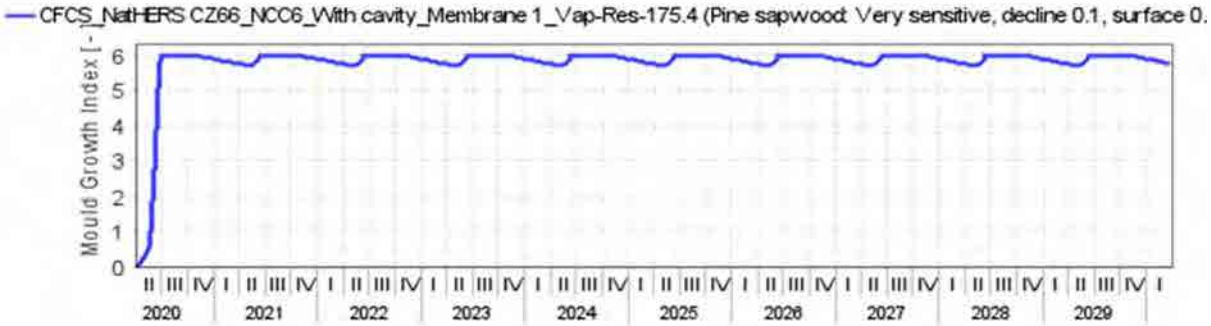

Figure 276: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

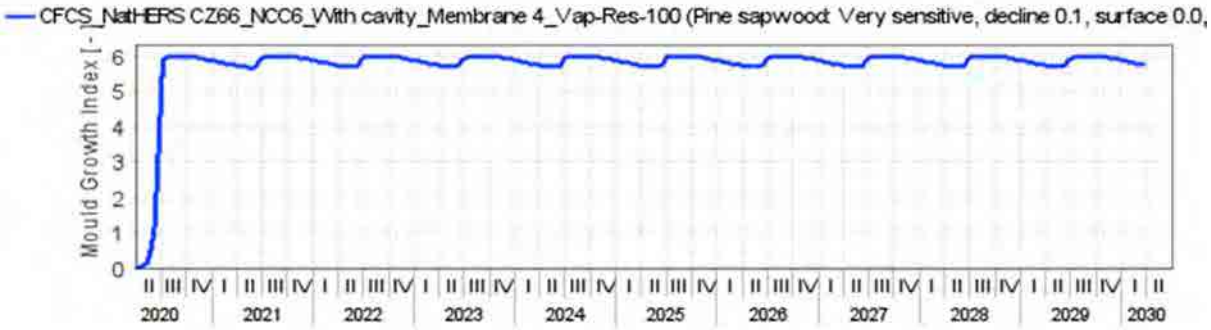

Figure 277: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

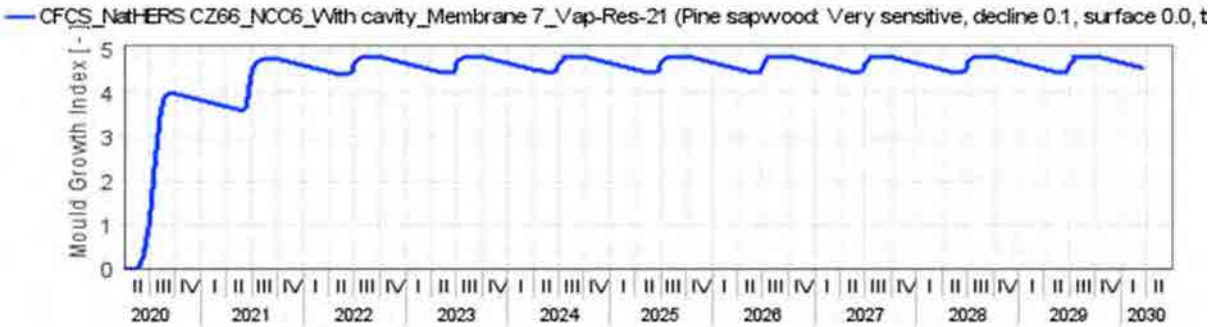

Figure 278: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

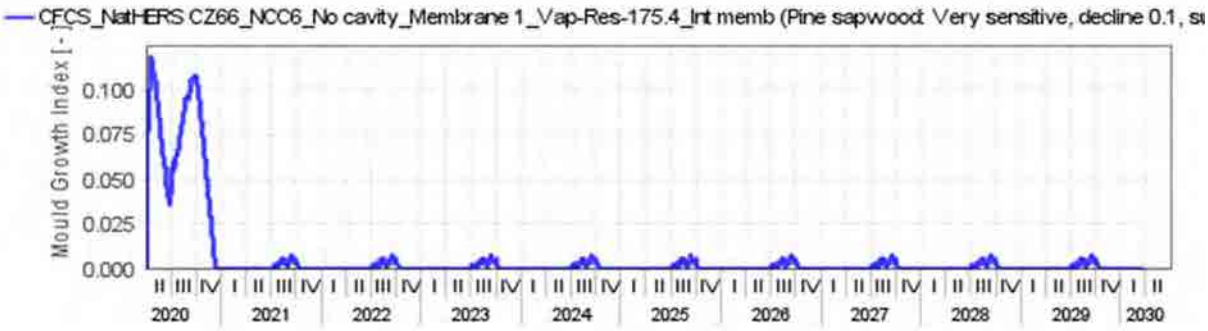

Figure 279: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

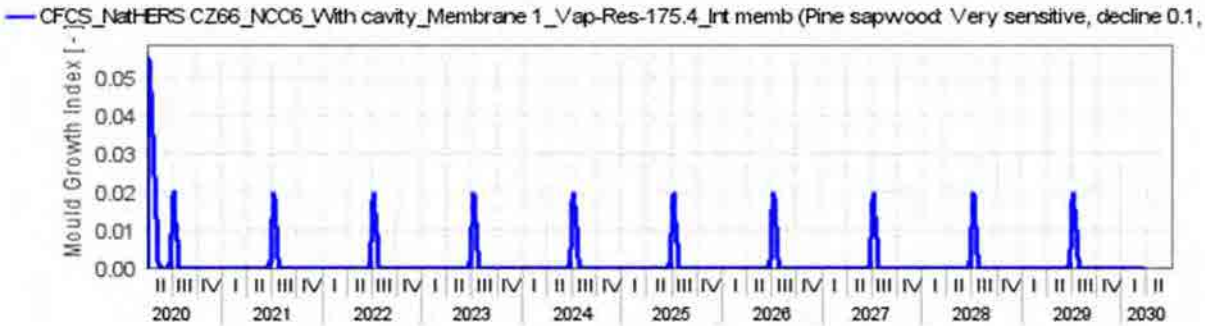

Figure 280: CFCS NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 3: Hygrothermal simulation results - 6 Star and 7 Star clay masonry veneer with insulated timber framed (Wall 3)

Rev-01 (17/12/2023)

NCC CZ4

NatHERS CZ 27, NCC CZ4: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 1: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

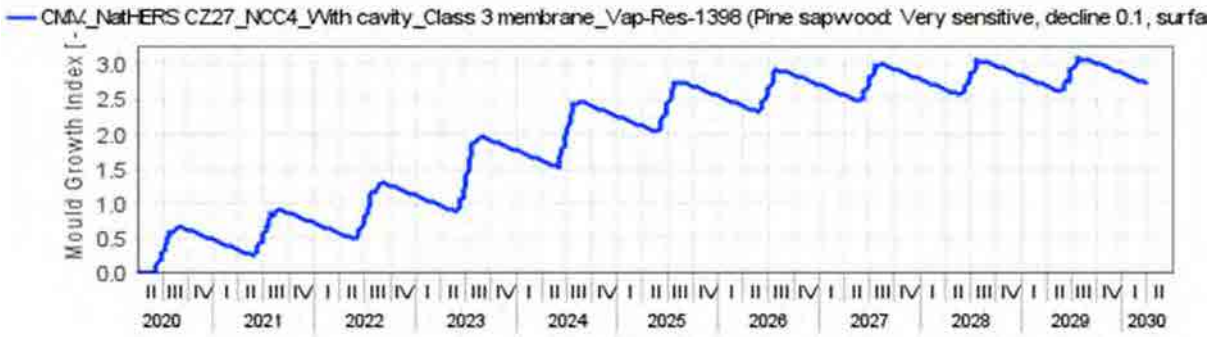

Figure 2: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

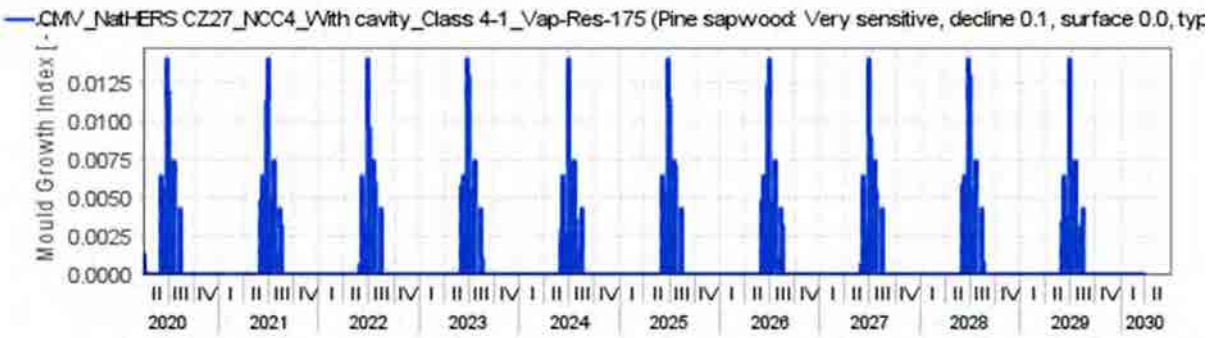

Figure 3: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

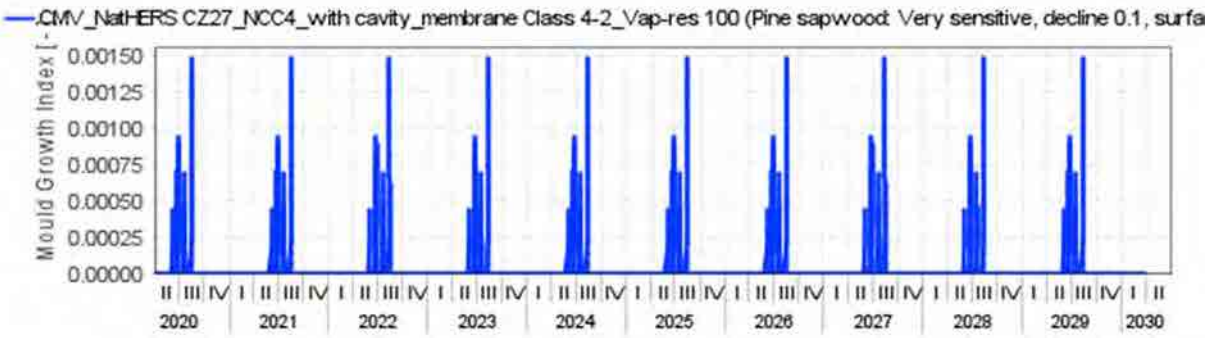

Figure 4: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

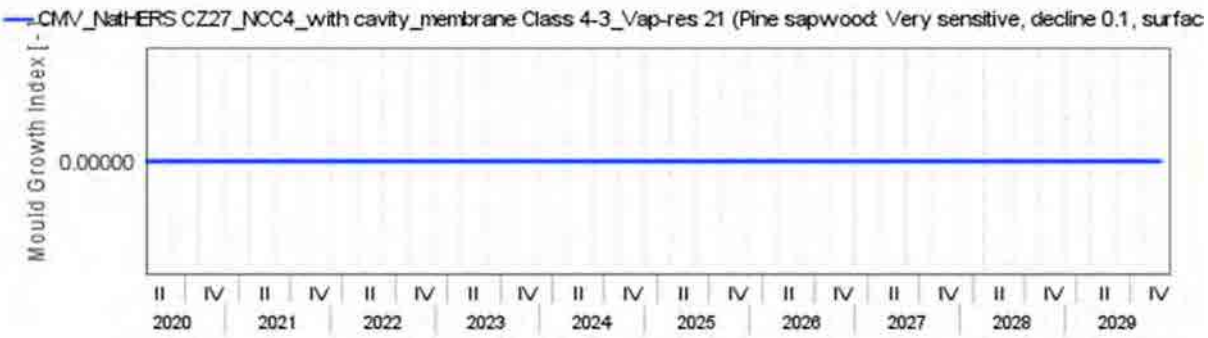

Figure 5: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

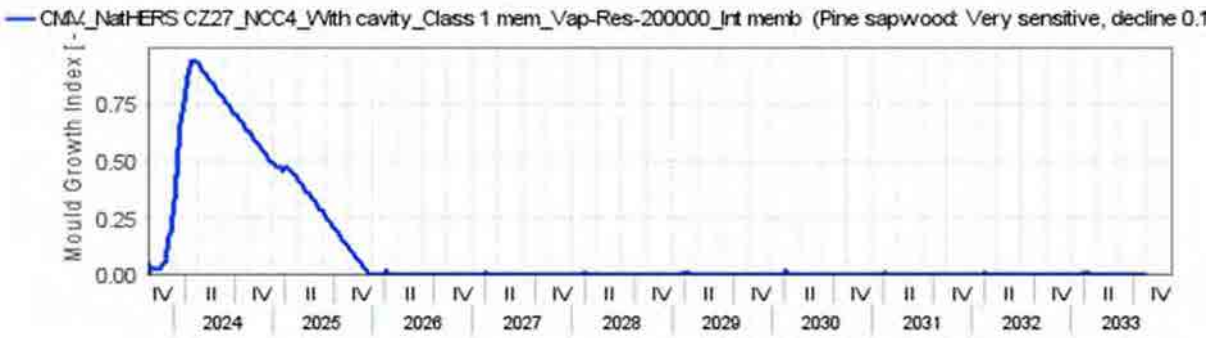

Figure 6: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

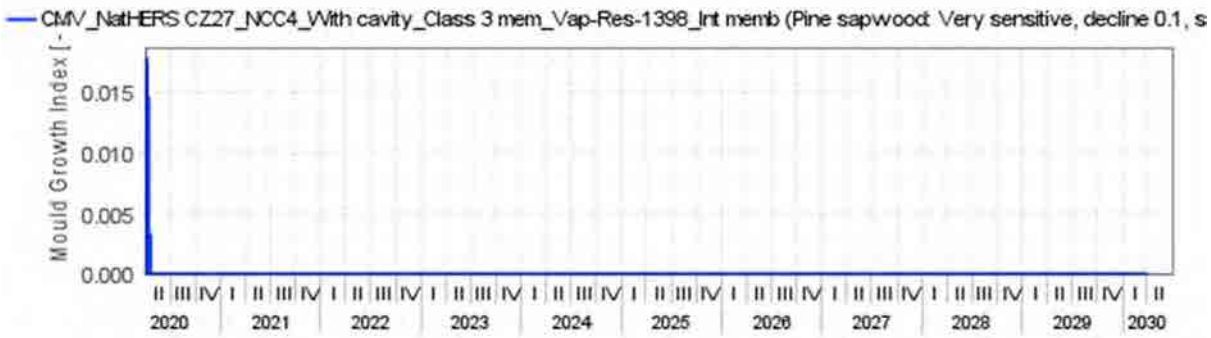

Figure 7: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

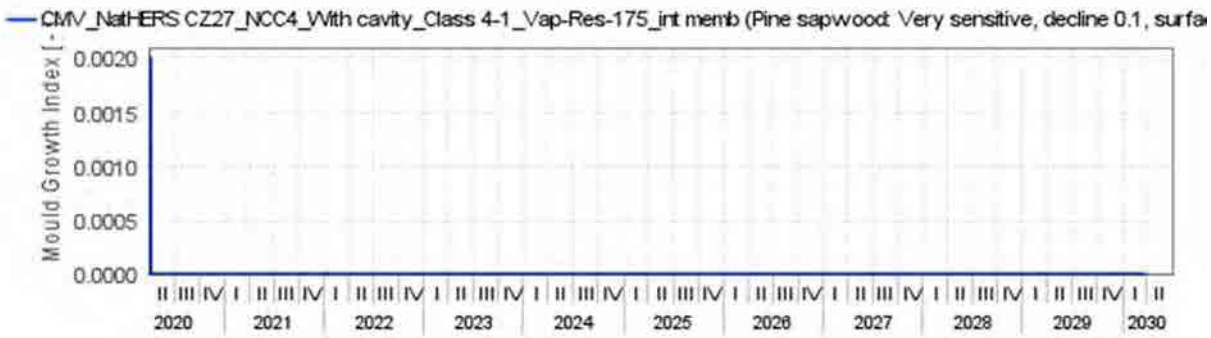

Figure 8: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

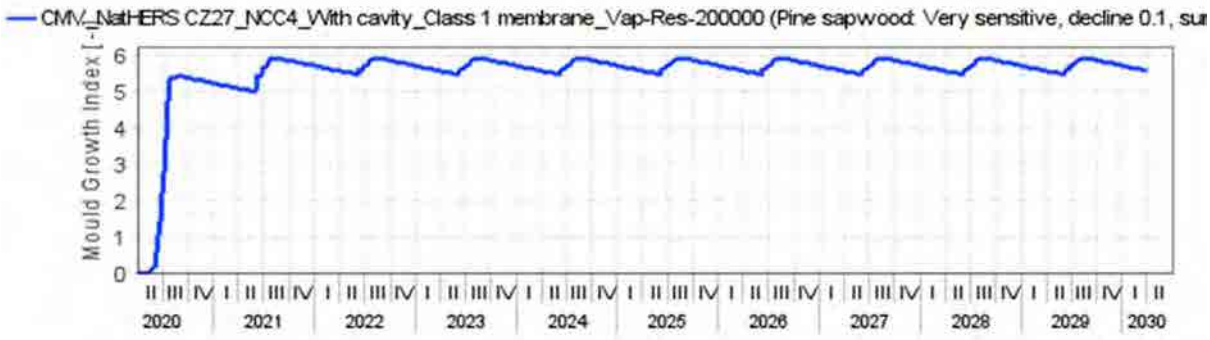

Figure 9: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

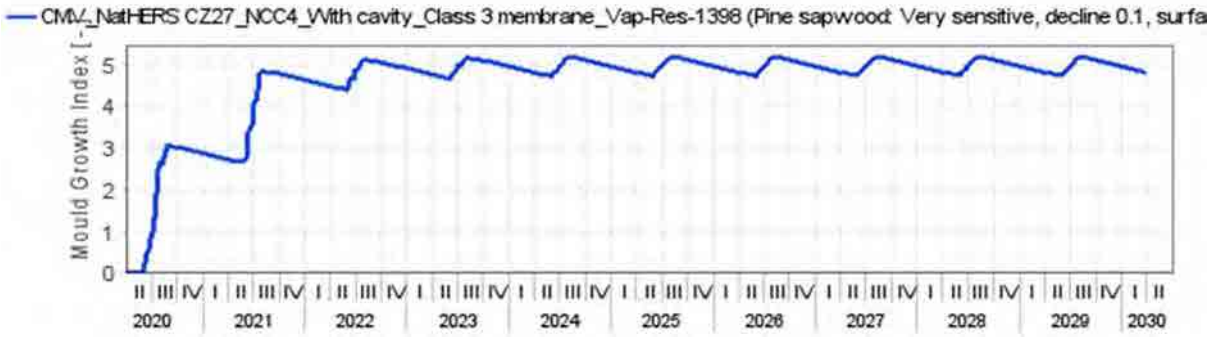

Figure 10: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

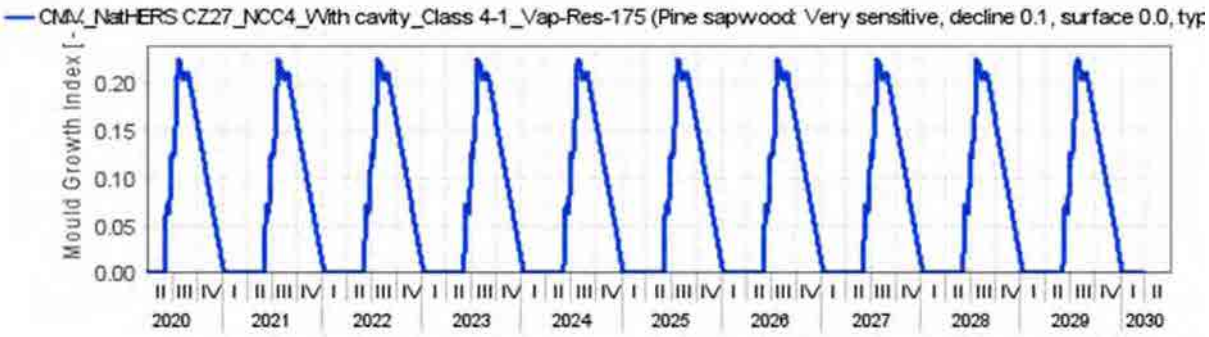

Figure 11: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

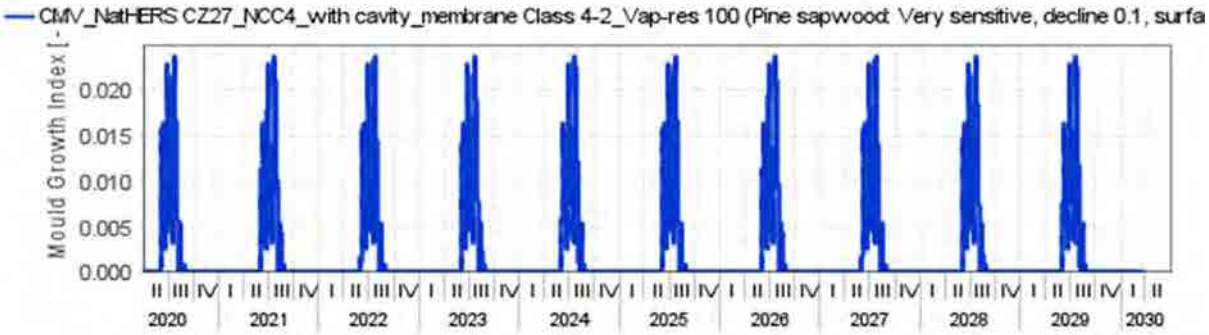

Figure 12: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

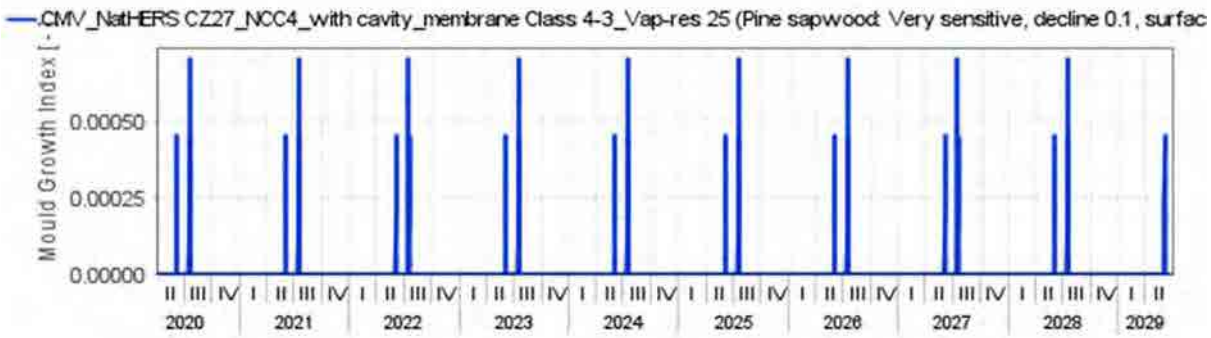

Figure 13: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

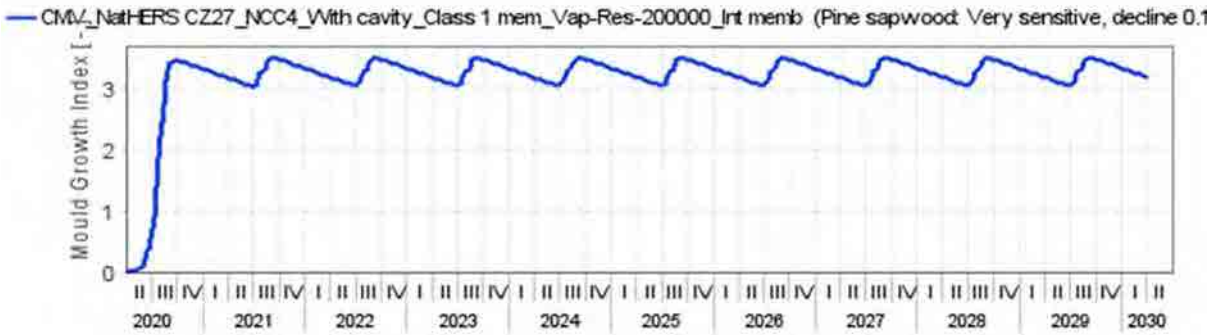

Figure 14: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

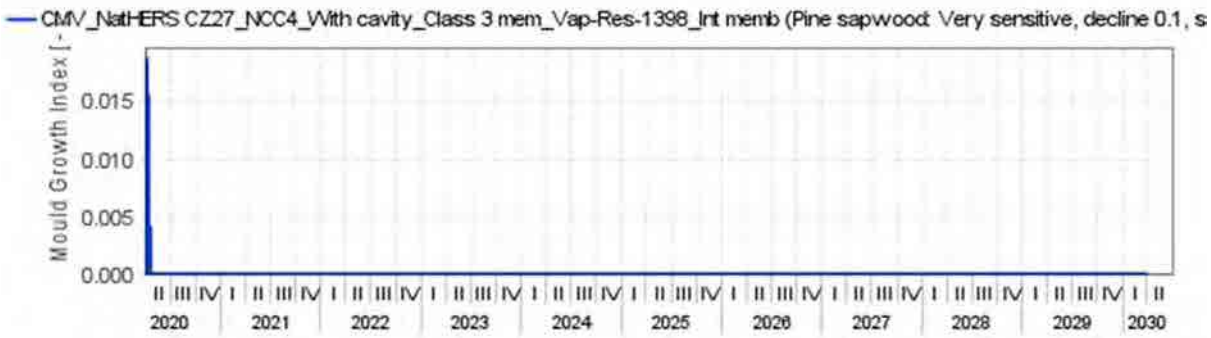

Figure 15: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

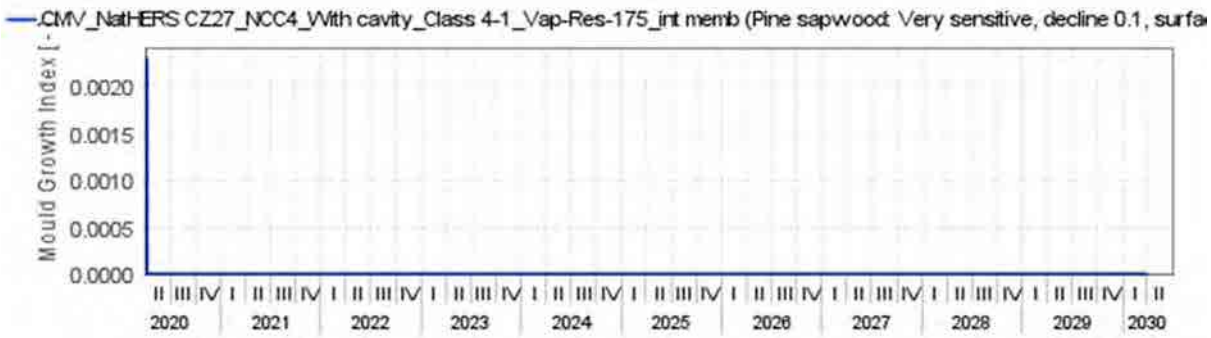

Figure 16: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 17: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

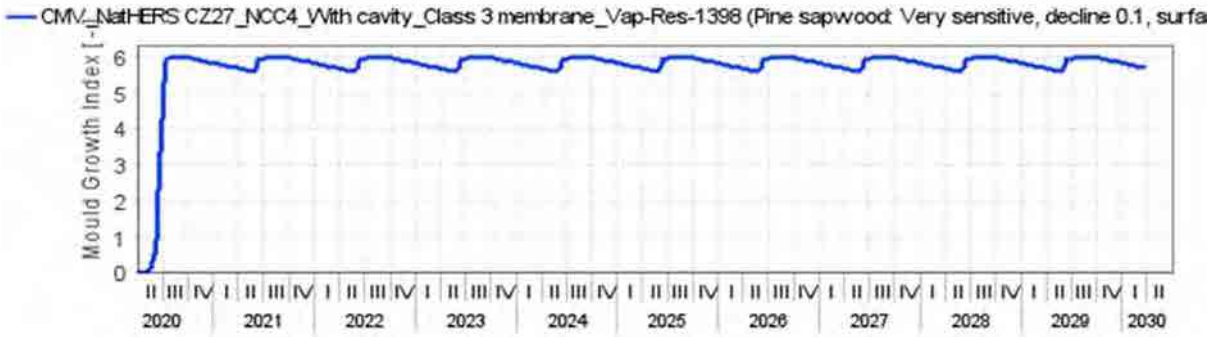

Figure 18: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

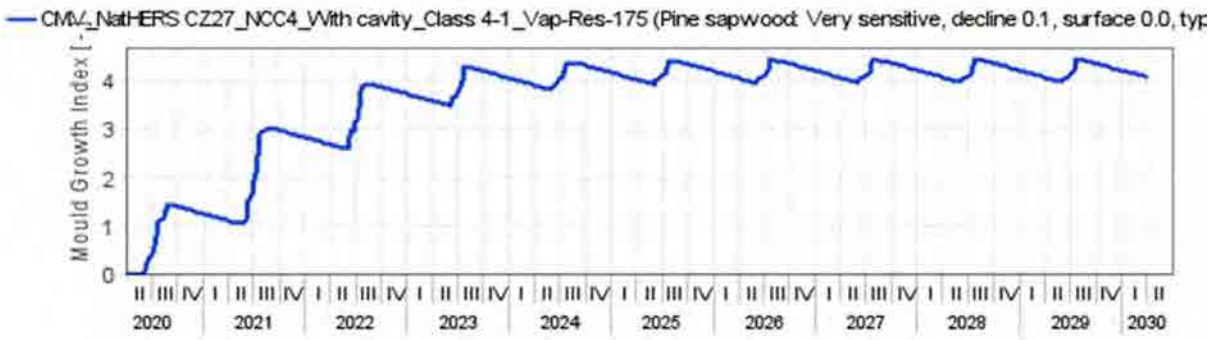

Figure 19: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

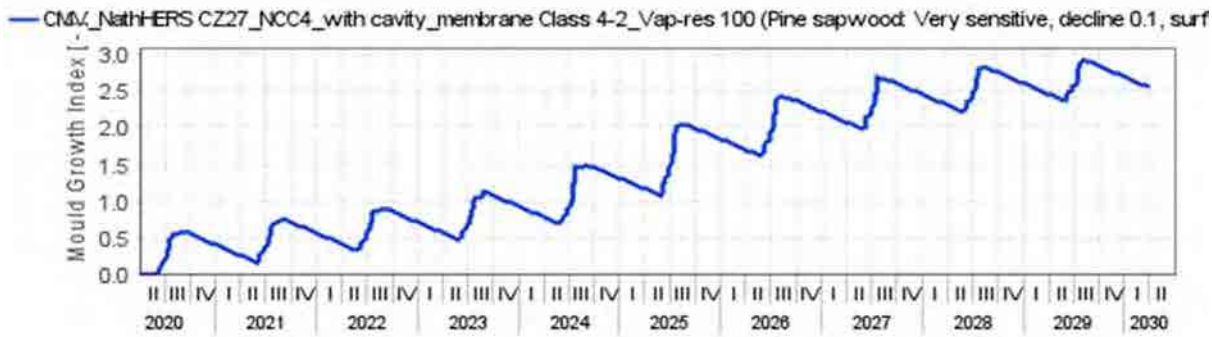

Figure 20: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

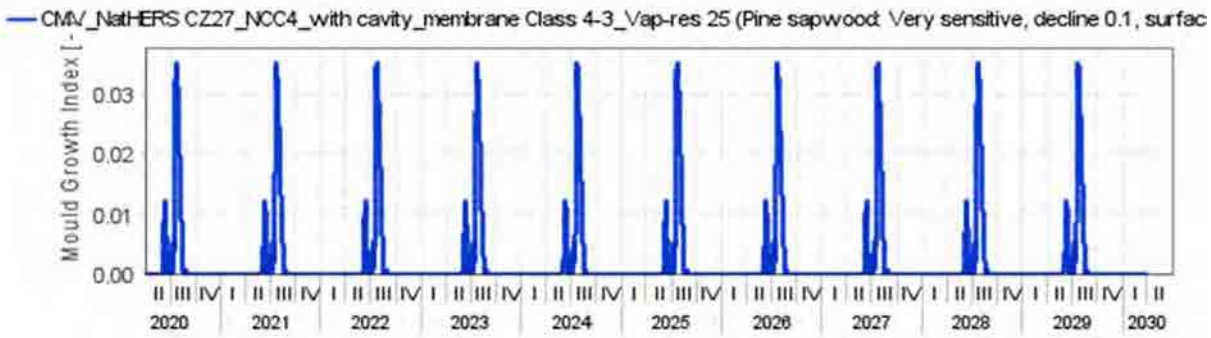

Figure 21: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

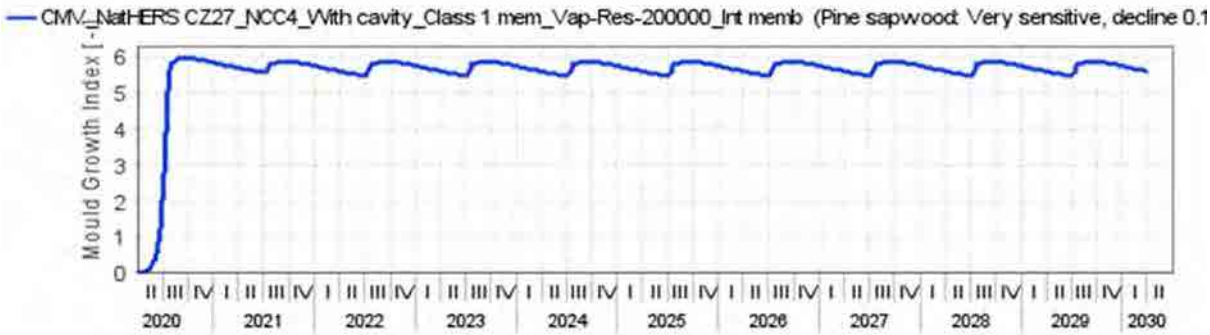

Figure 22: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

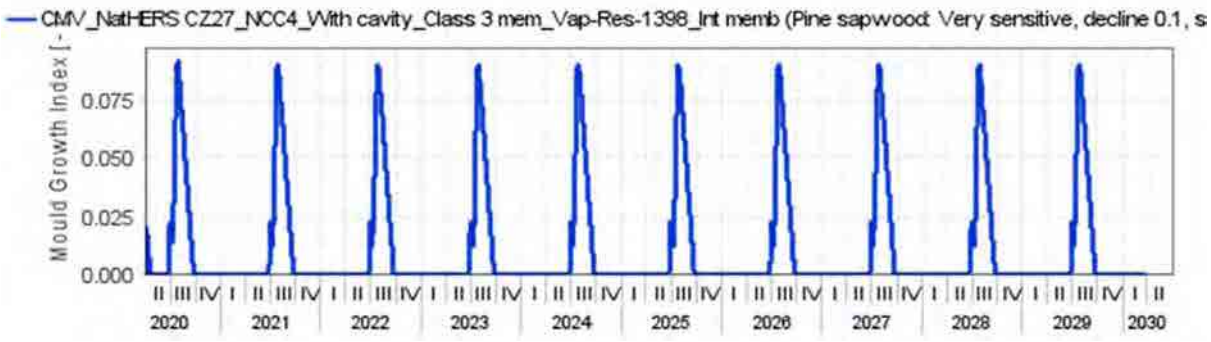

Figure 23: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

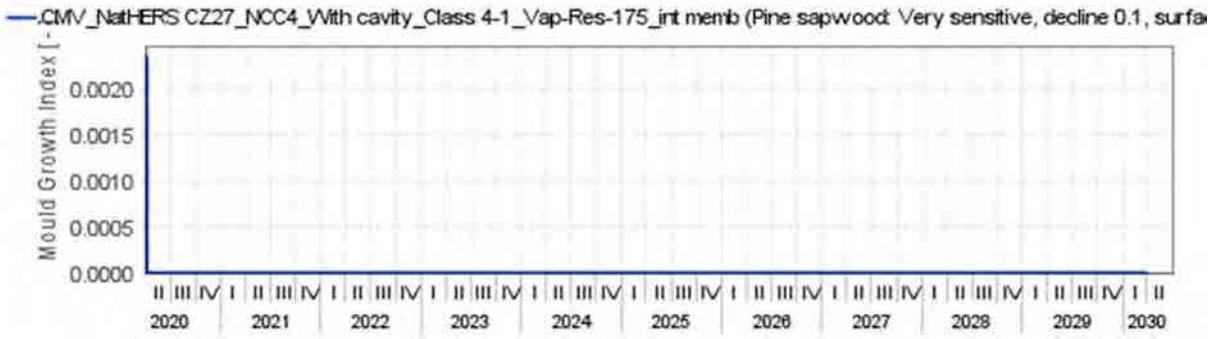

Figure 24: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Brick Δ15.33 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

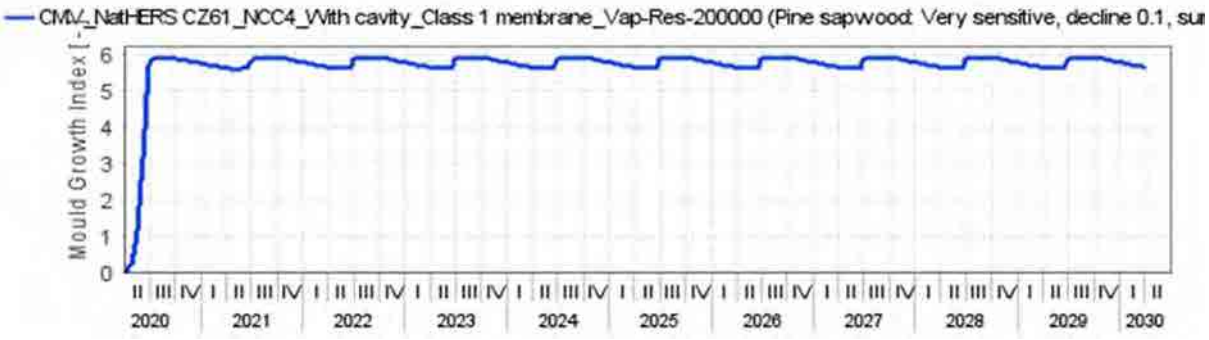

Figure 25: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Brick Δ15.37 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

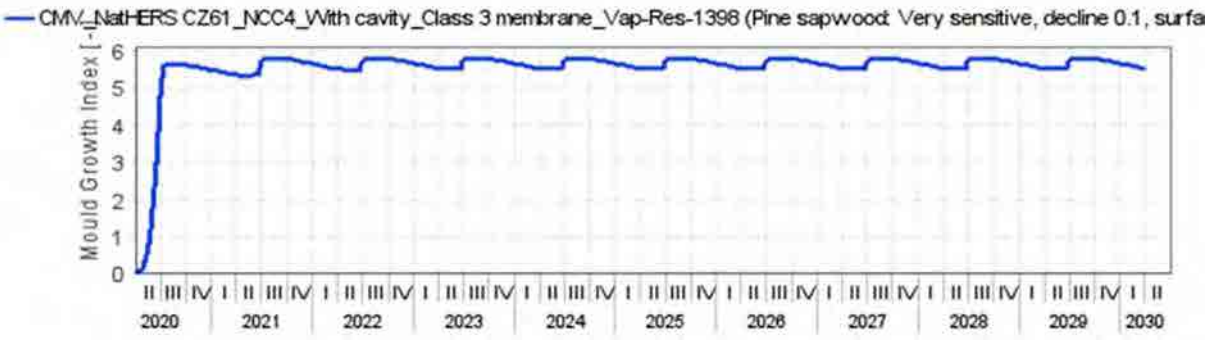

Figure 26: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.47 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

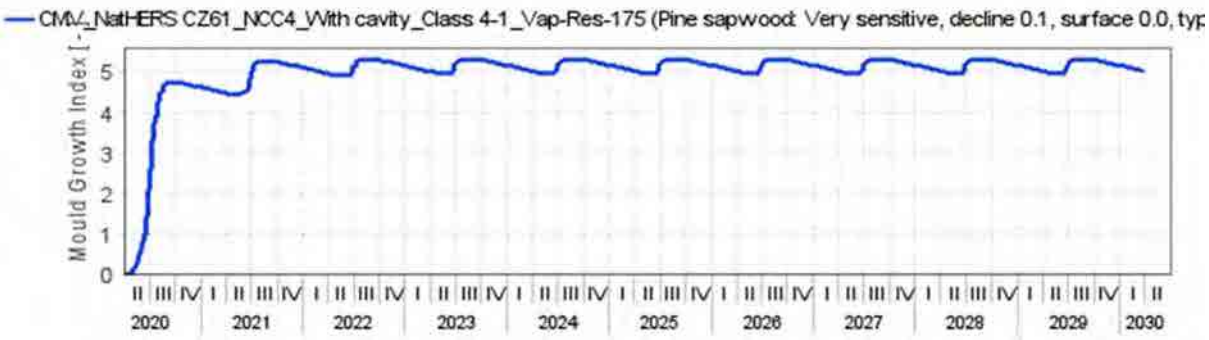

Figure 27: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.49 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

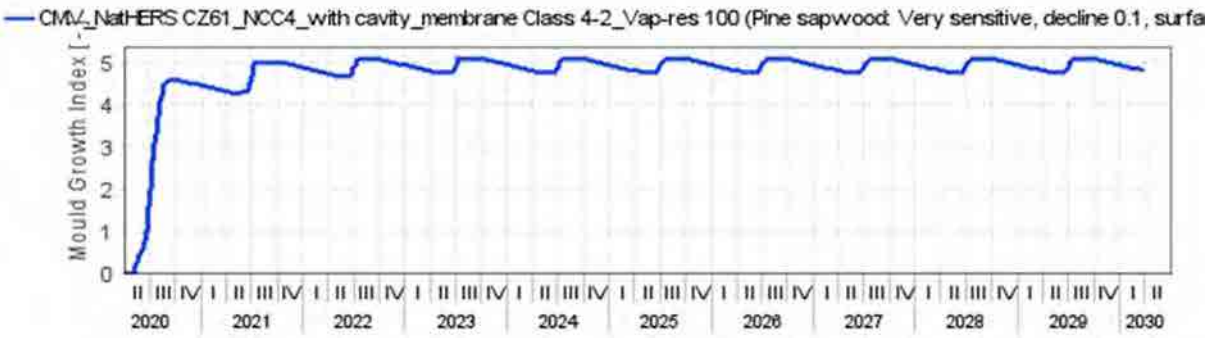

Figure 28: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ7.44 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

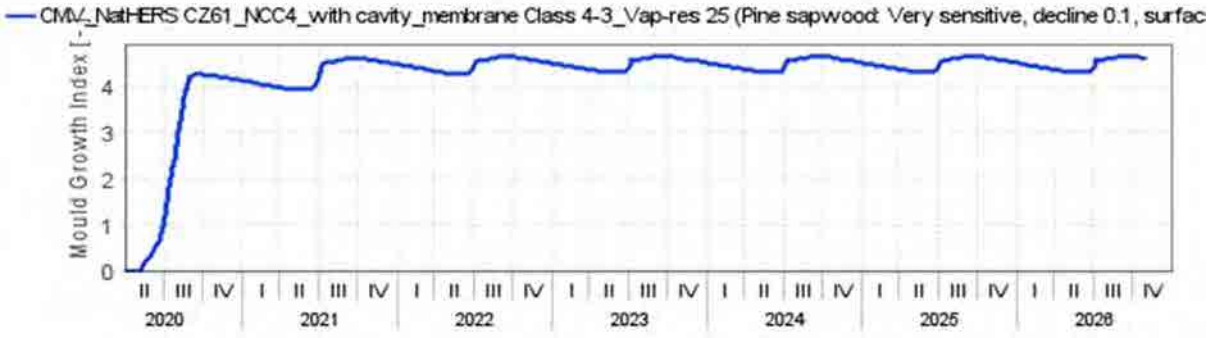

Figure 29: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

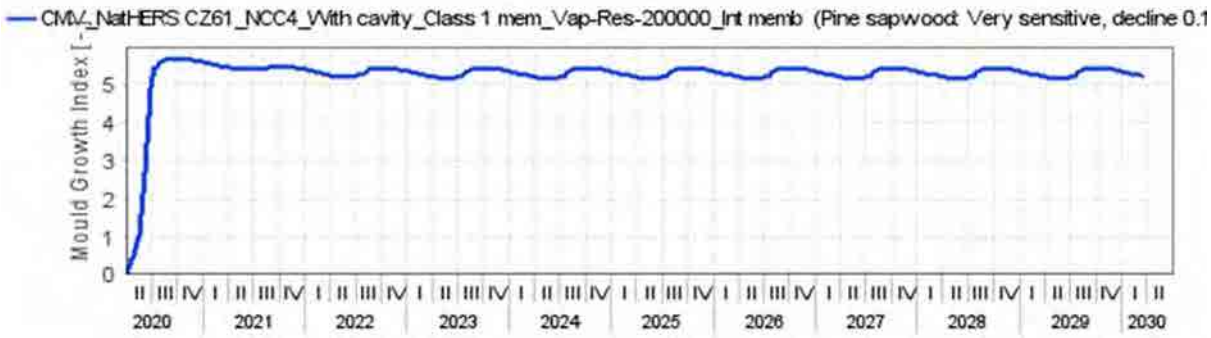

Figure 30: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

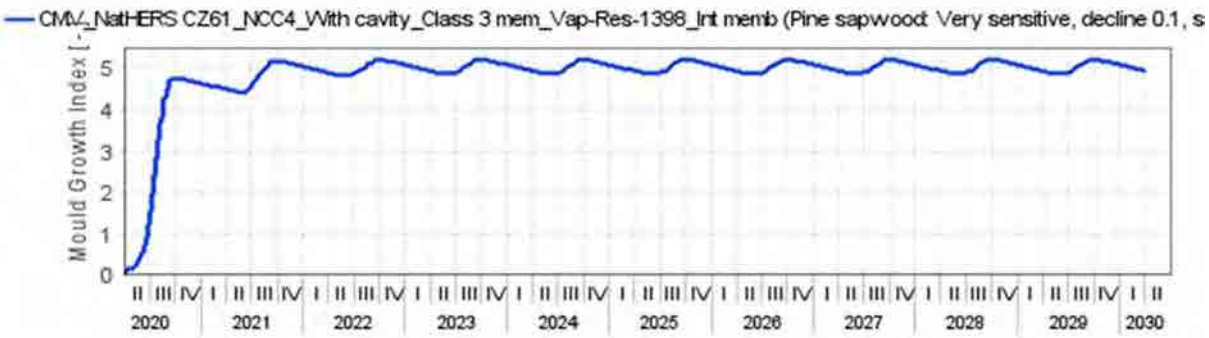

Figure 31: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 32: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Brick Δ15.34 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

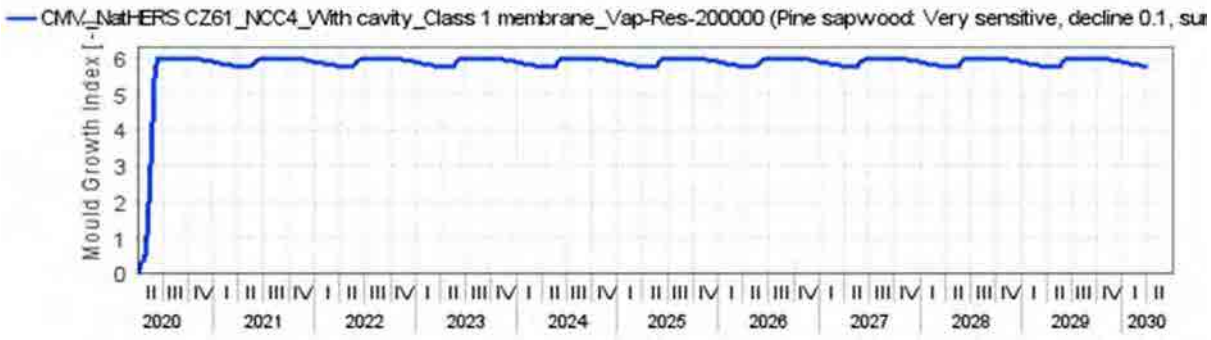

Figure 33: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Brick Δ15.38 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

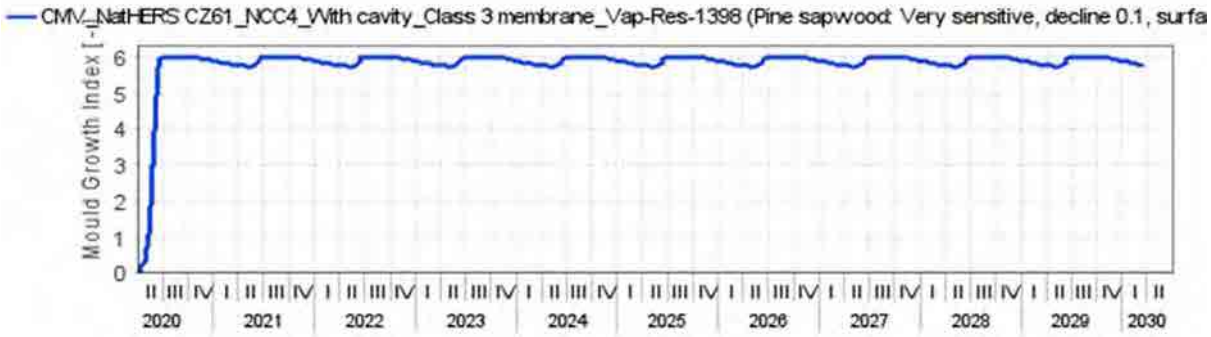

Figure 34: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.49 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

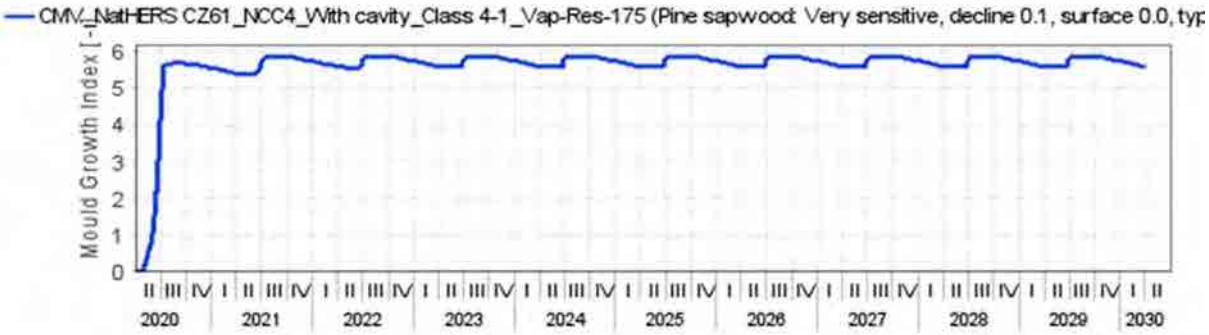

Figure 35: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.52 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

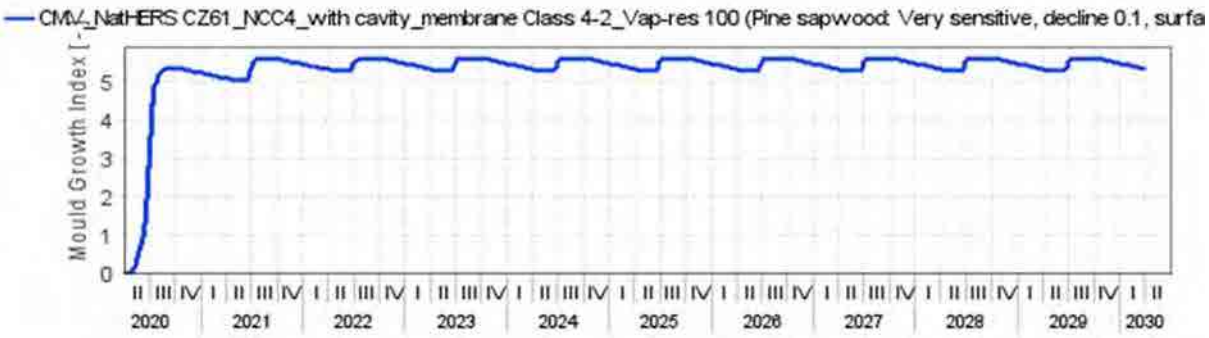

Figure 36: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ8.43 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

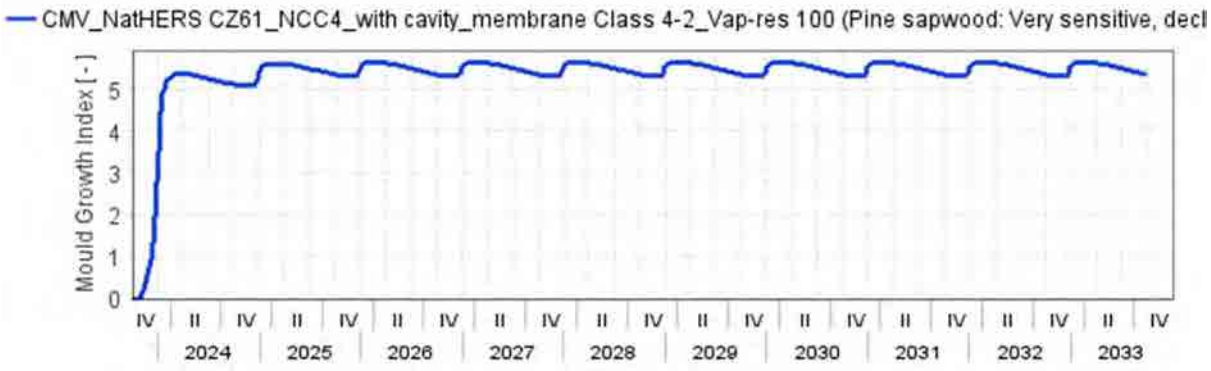

Figure 37: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

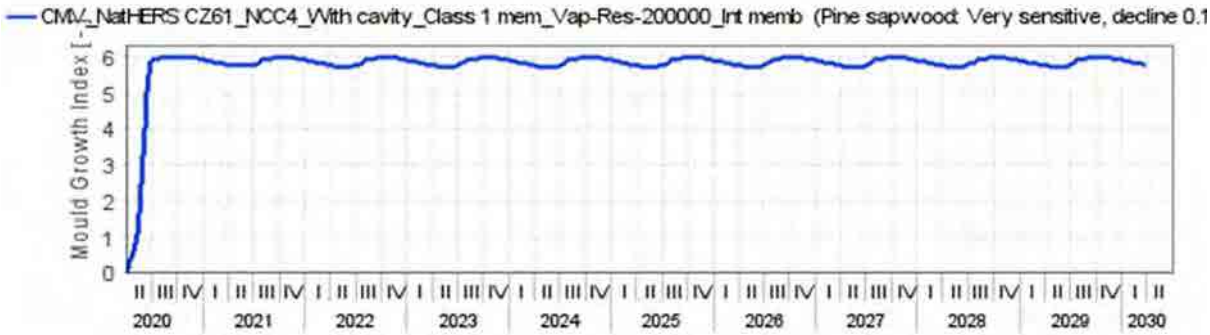

Figure 38: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Brick Δ15.43 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

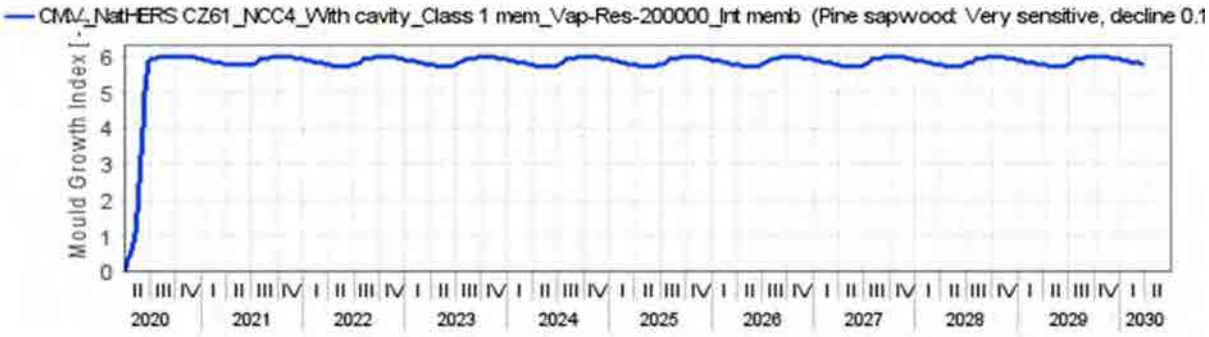

Figure 39: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.41 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 40: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Brick Δ15.34 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

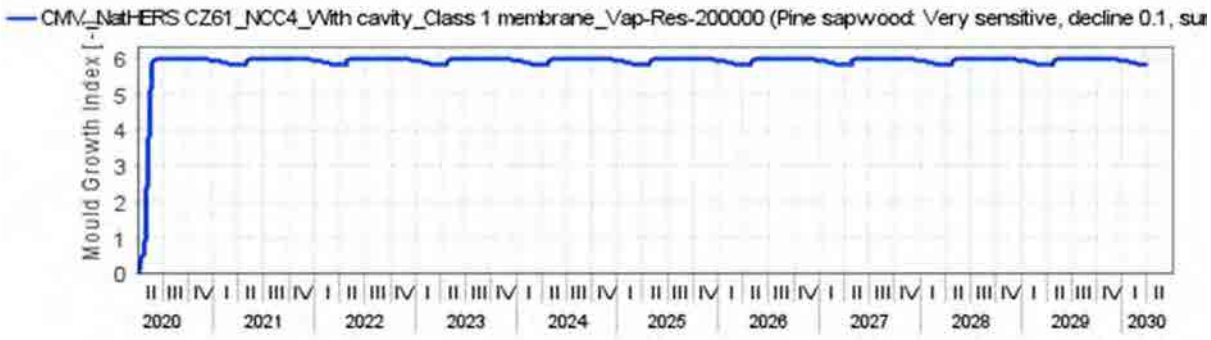

Figure 41: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Brick Δ15.38 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

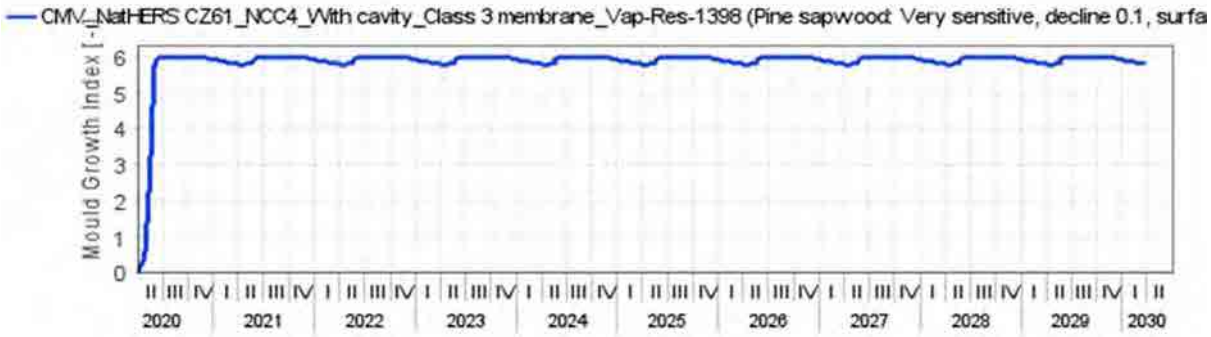

Figure 42: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.51 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 43: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.55 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

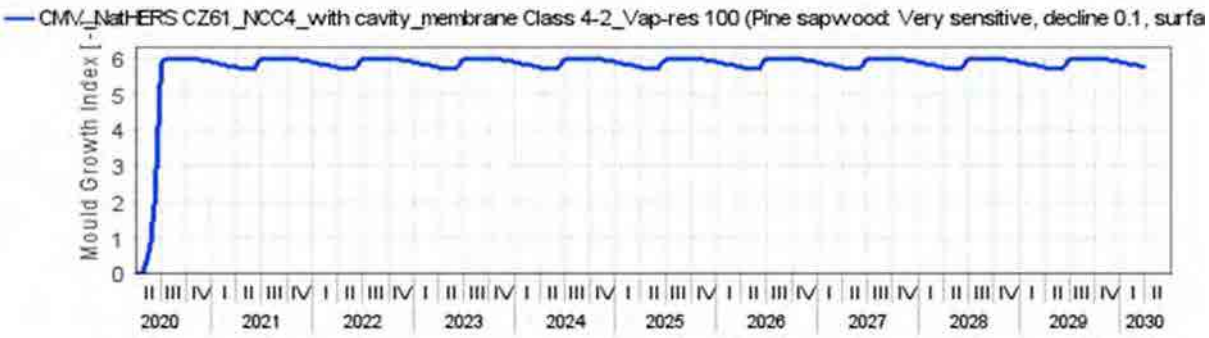

Figure 44: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ15.62 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

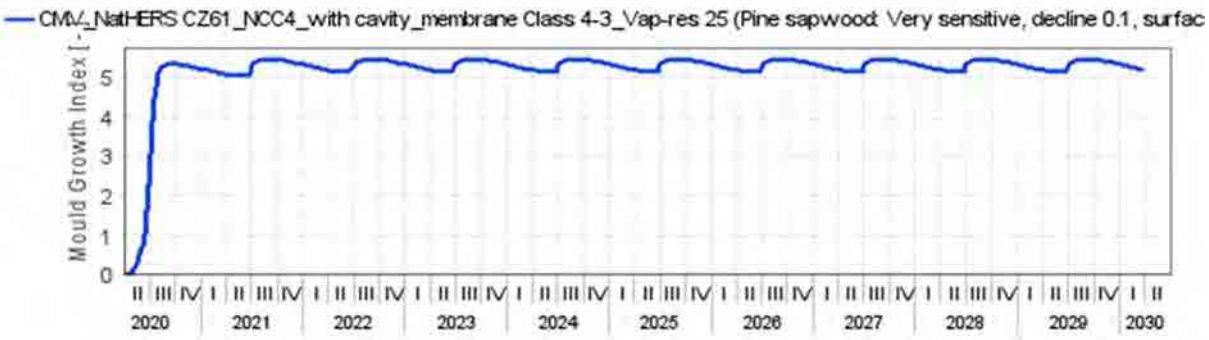

Figure 45: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

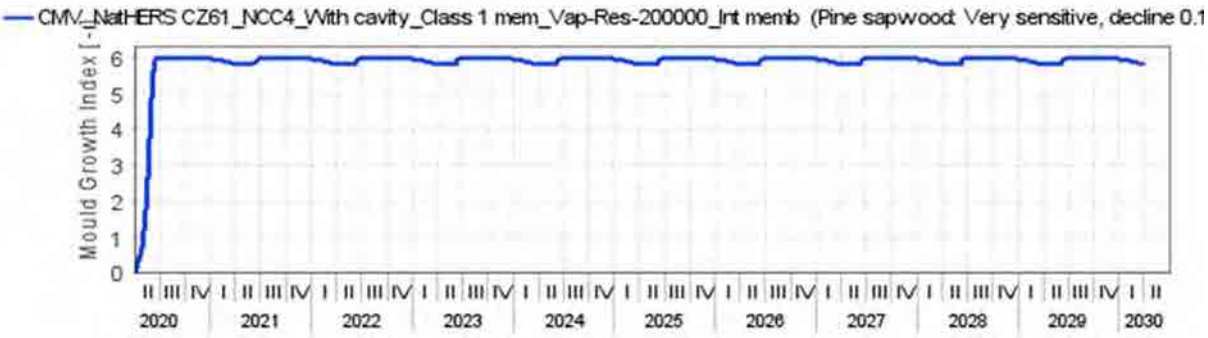

Figure 46: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Brick Δ15.43 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

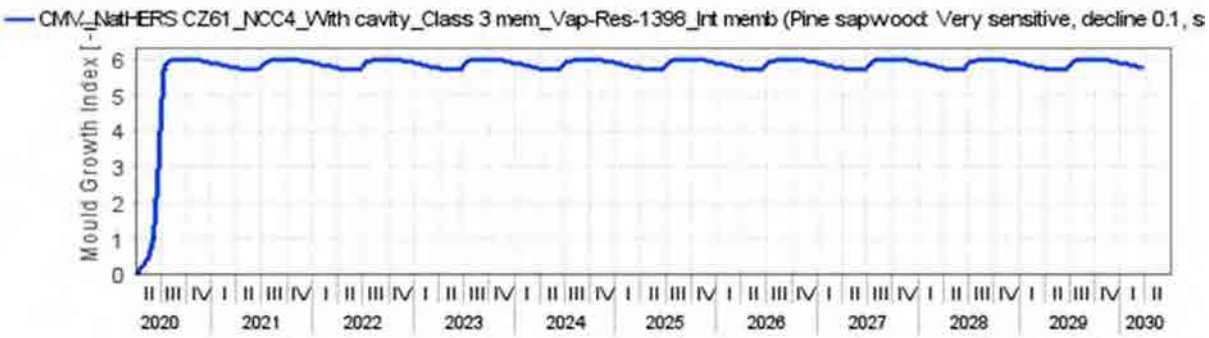

Figure 47: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

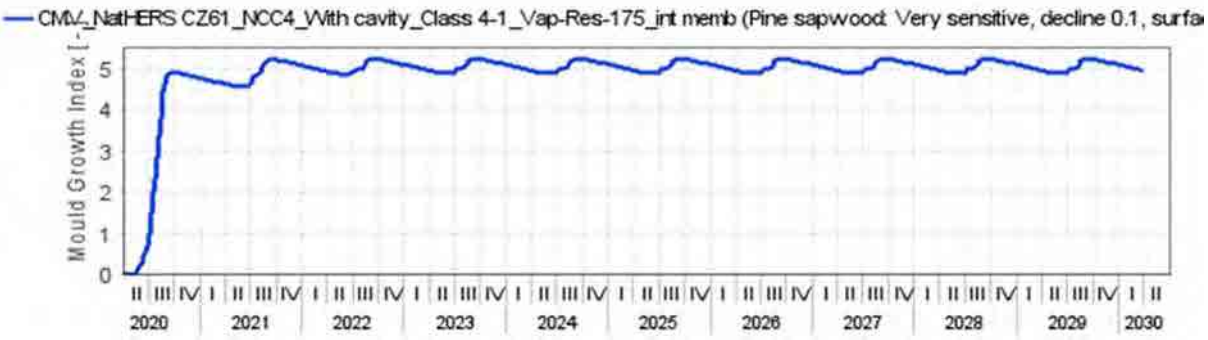

Figure 48: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ4: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

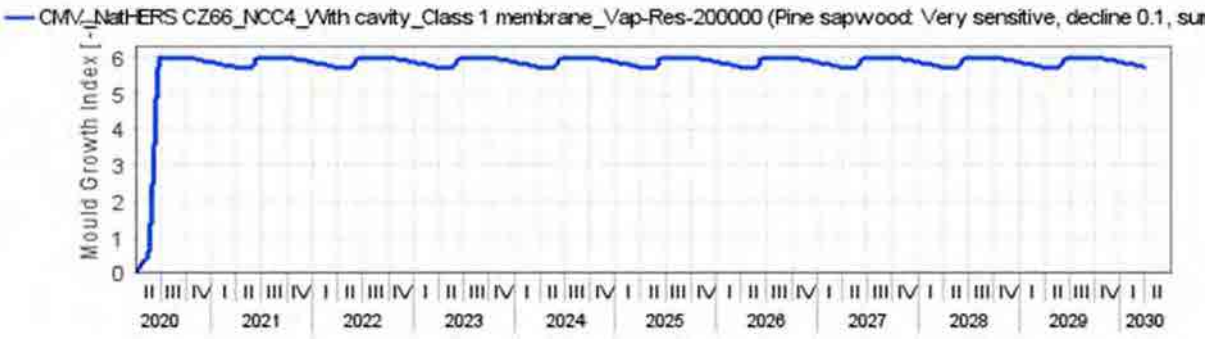

Figure 49: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

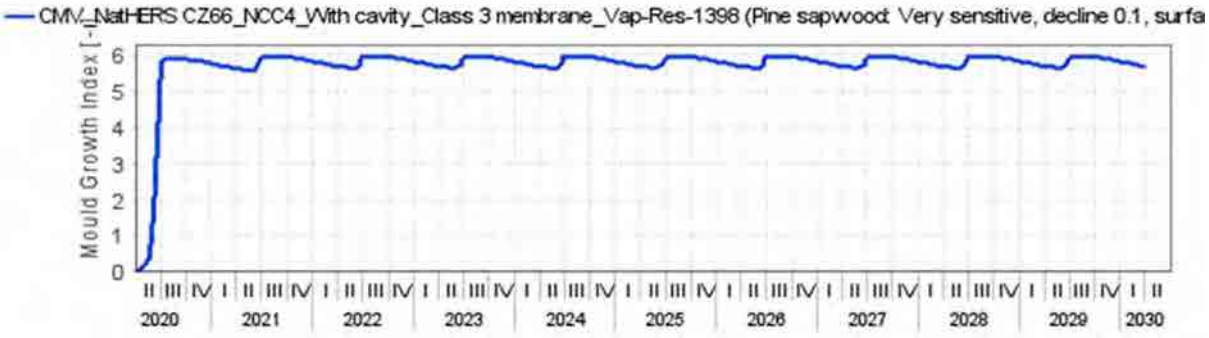

Figure 50: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

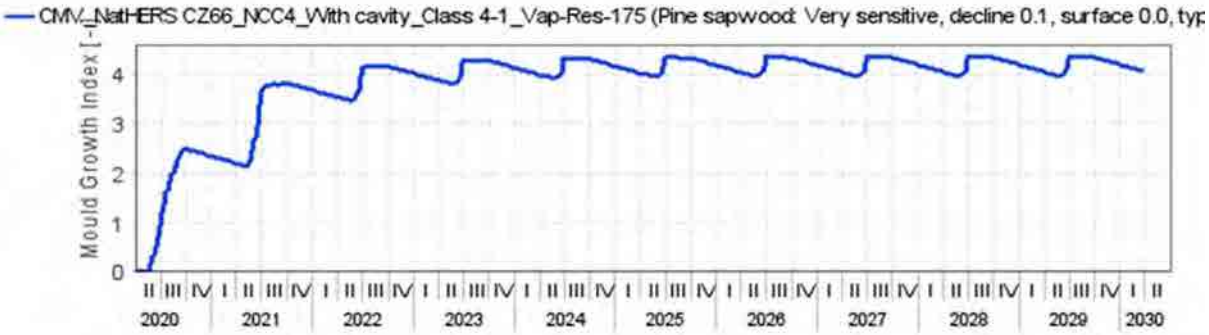

Figure 51: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

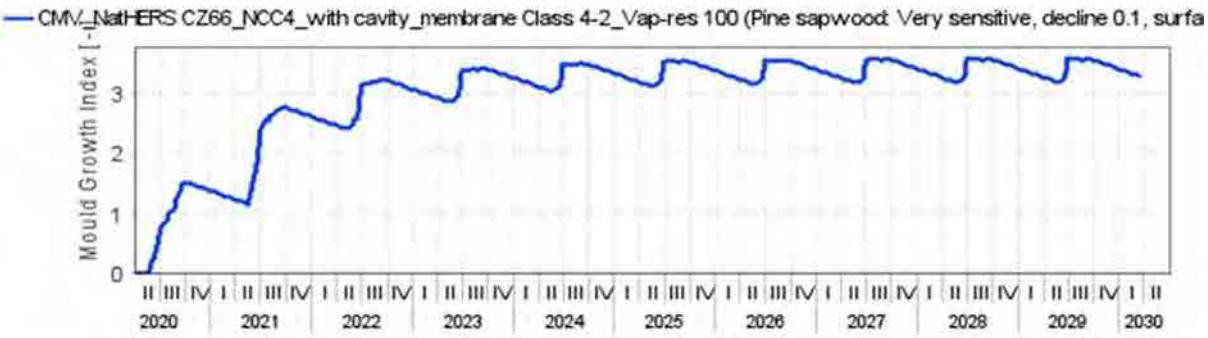

Figure 52: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

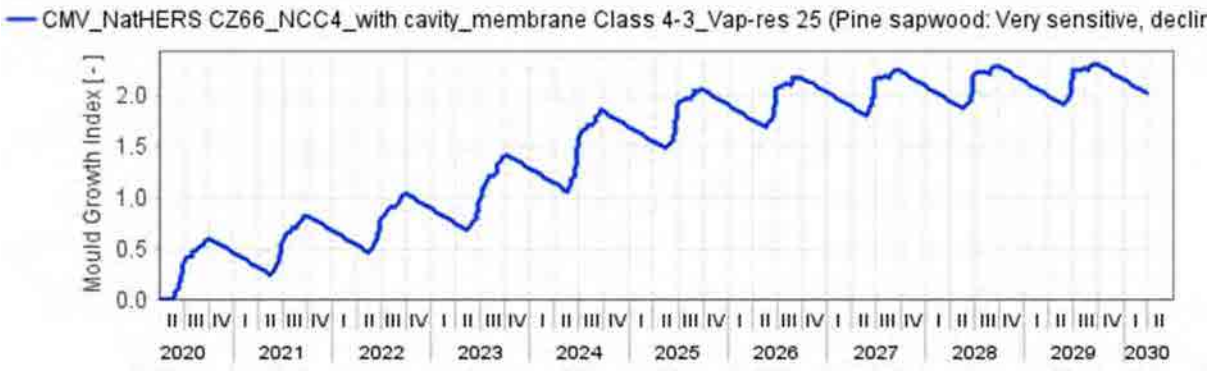

Figure 53: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

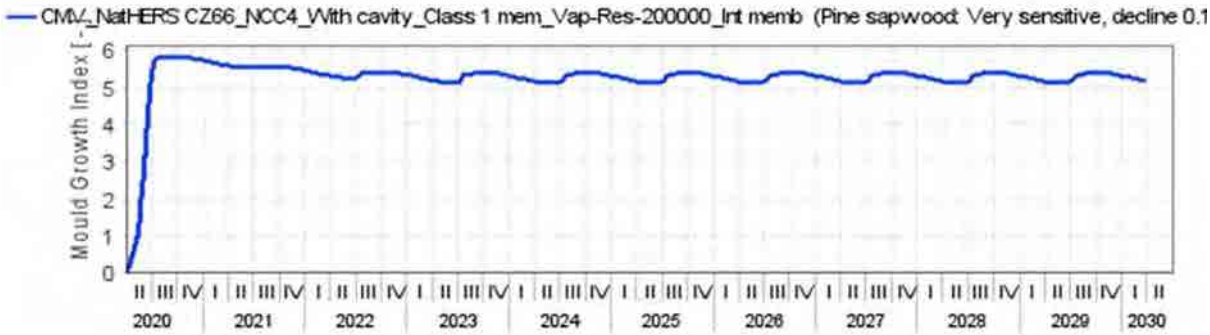

Figure 54: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

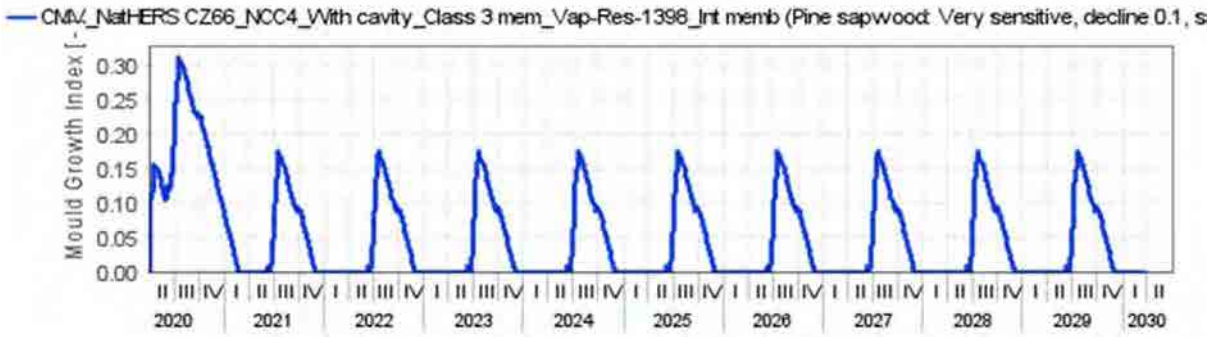

Figure 55: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

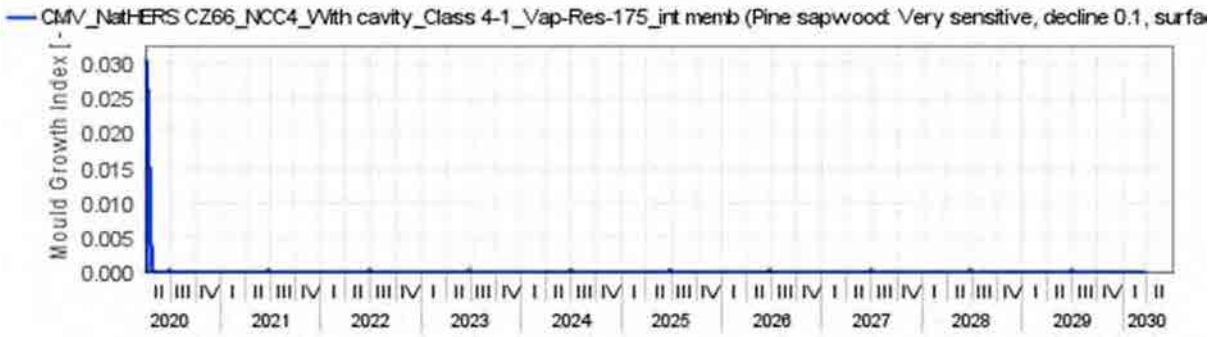

Figure 56: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

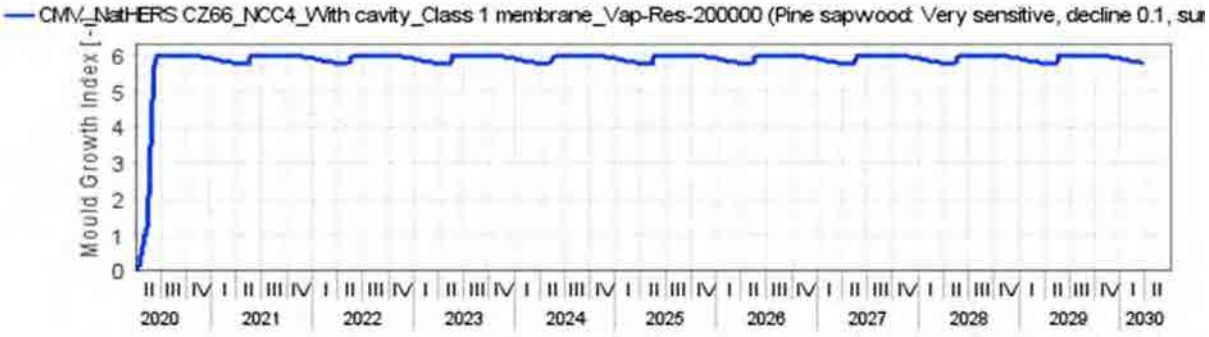

Figure 57: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

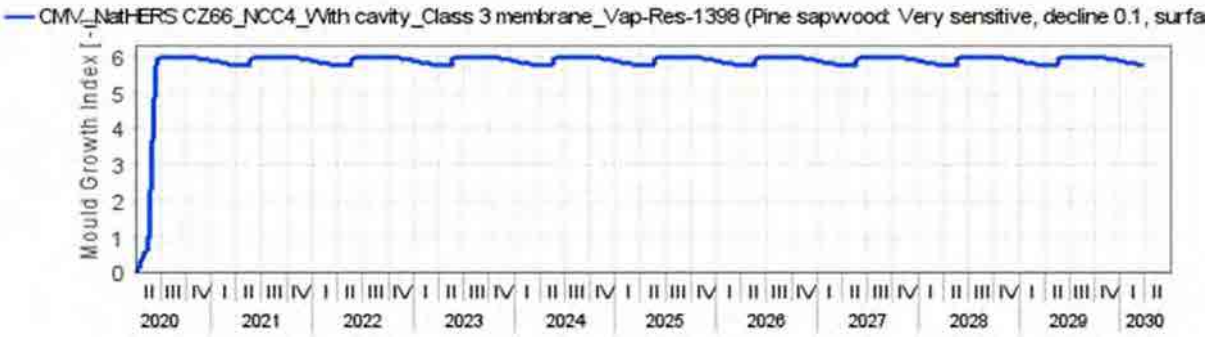

Figure 58: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

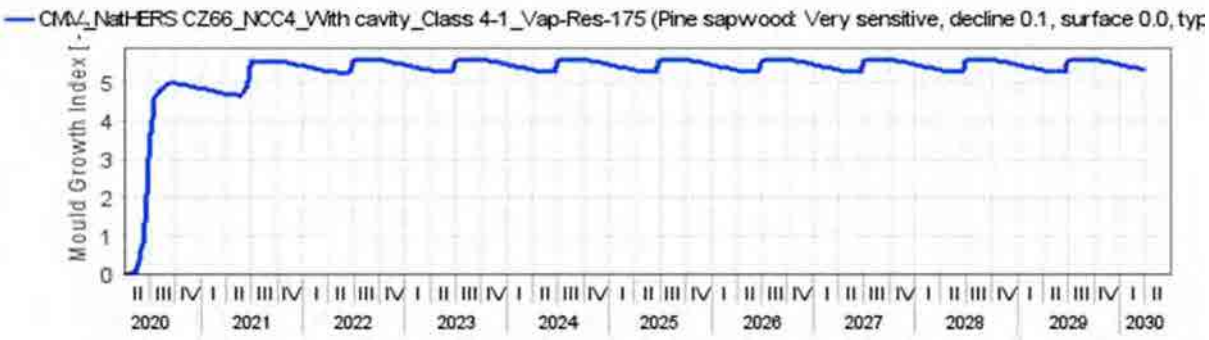

Figure 59: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

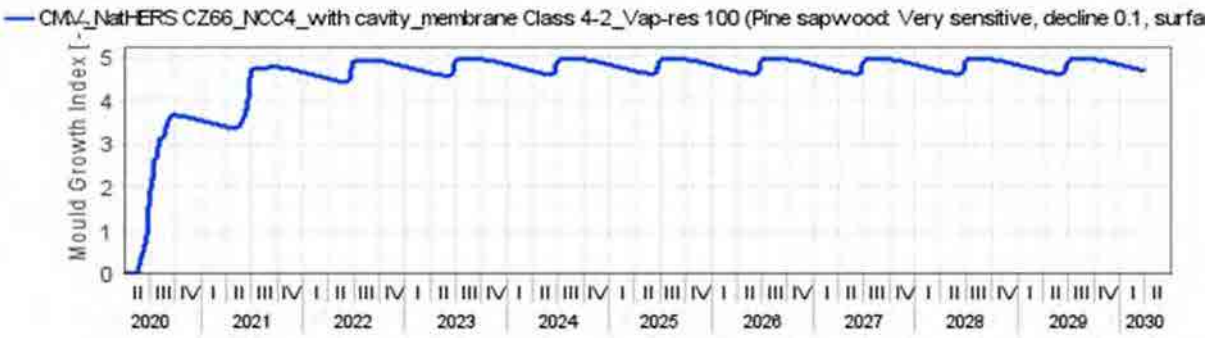

Figure 60: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

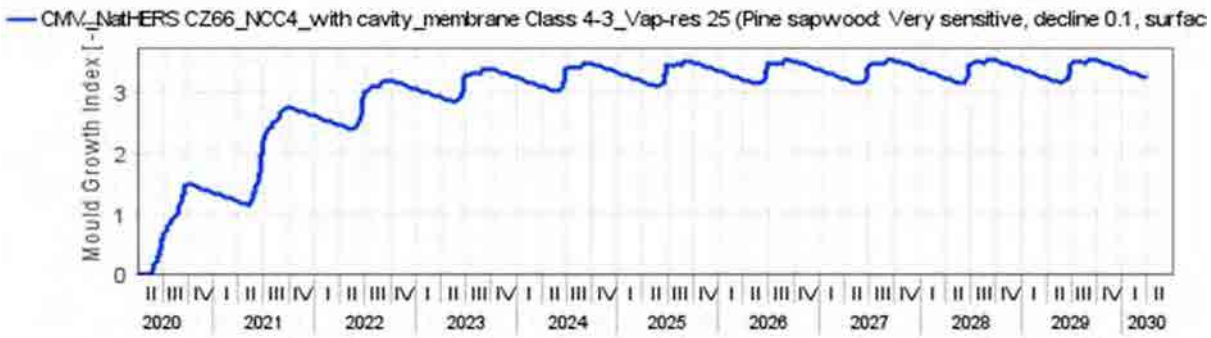

Figure 61: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

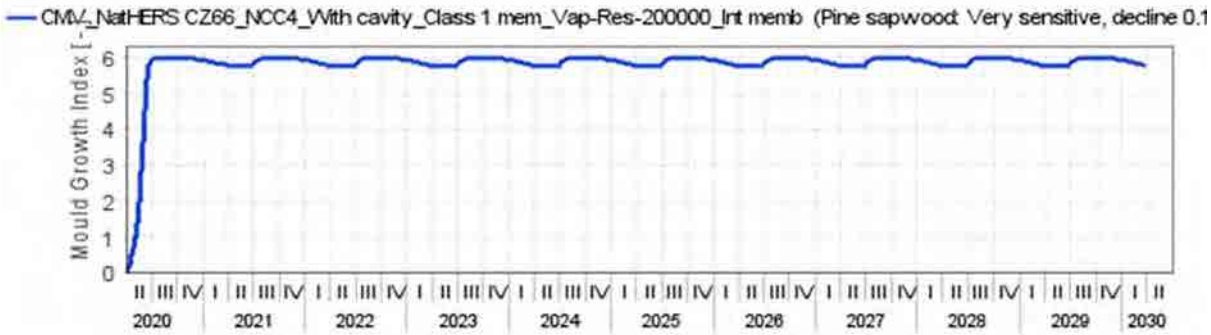

Figure 62: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 63: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

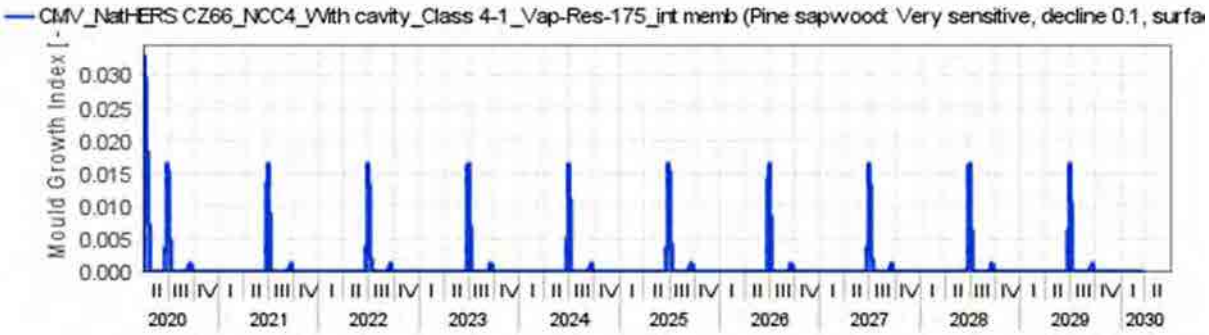

Figure 64: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

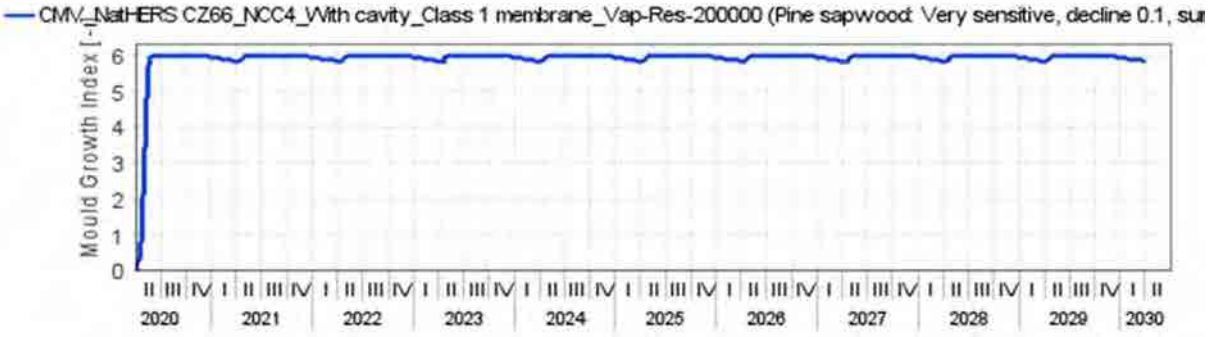

Figure 65: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

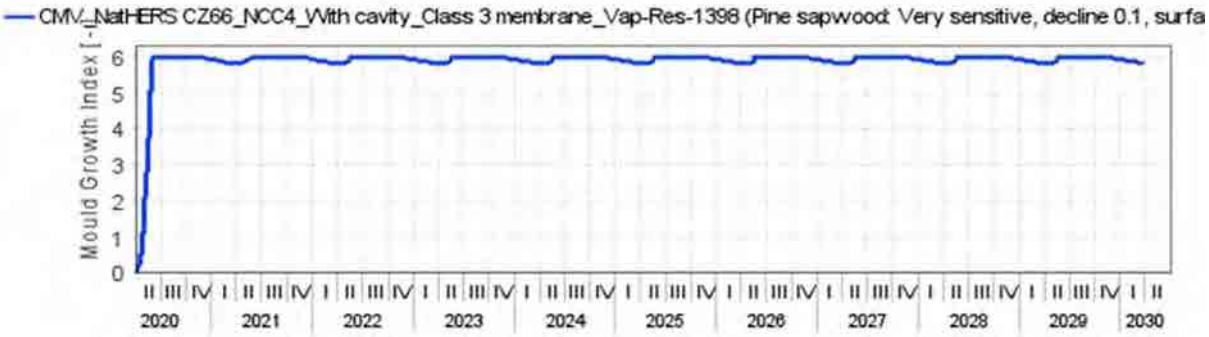

Figure 66: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

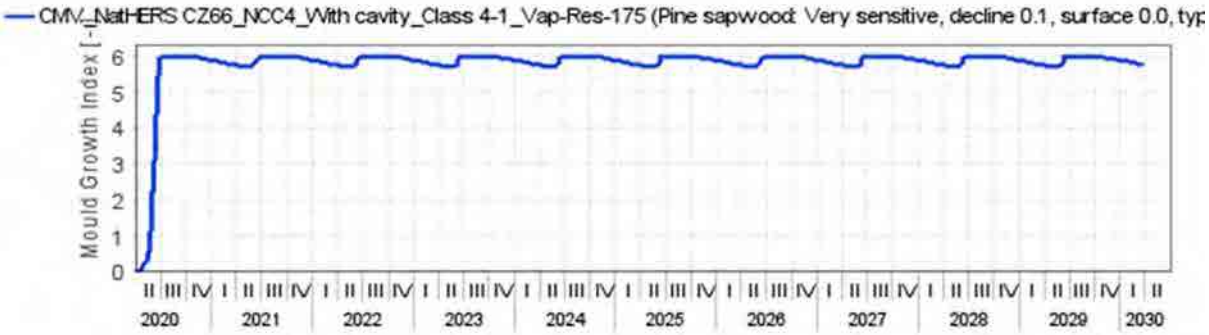

Figure 67: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

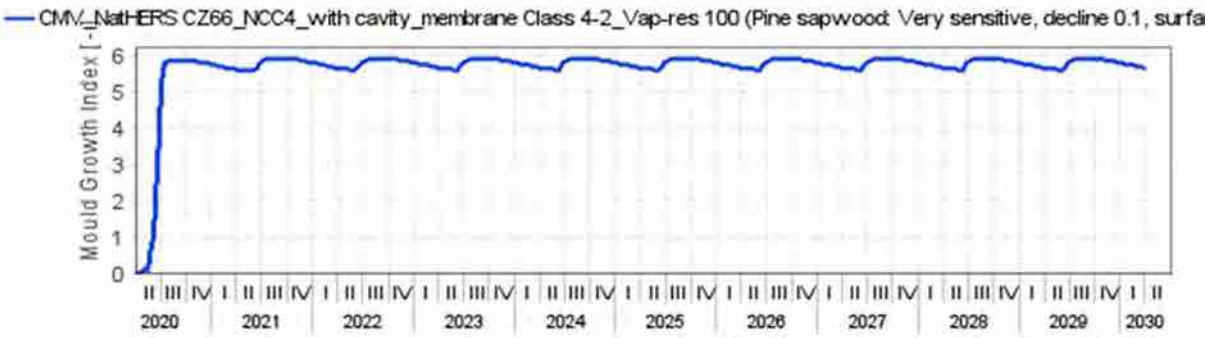

Figure 68: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 69: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

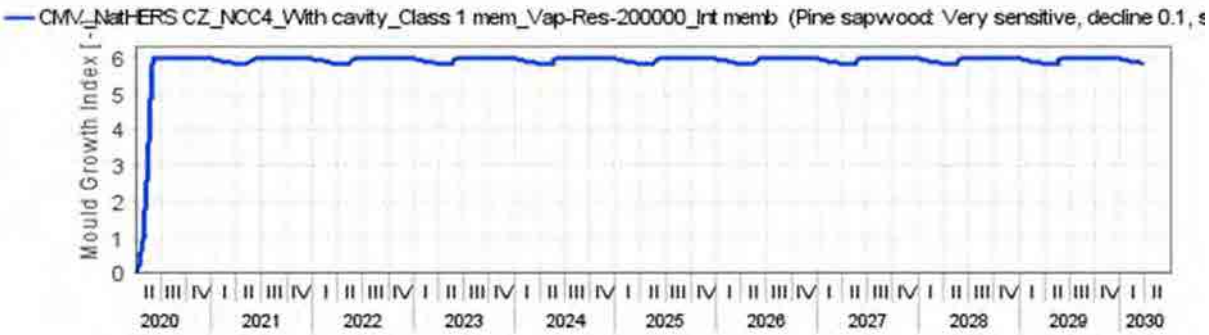

Figure 70: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

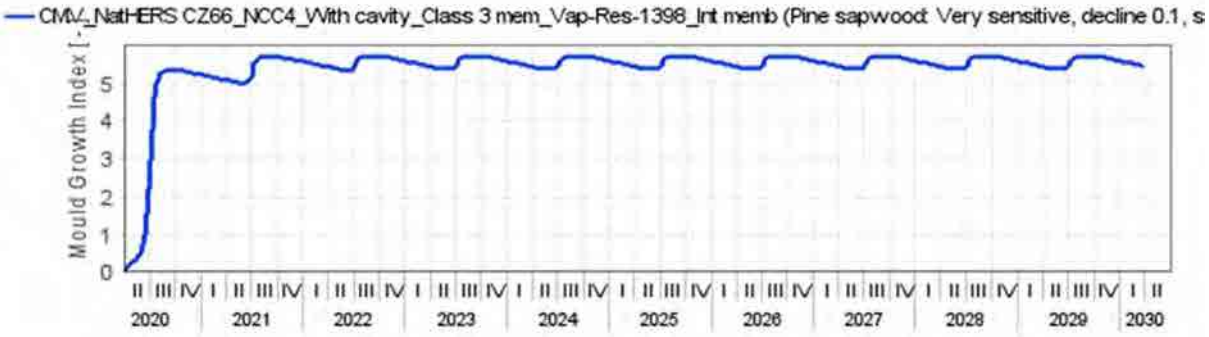

Figure 71: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

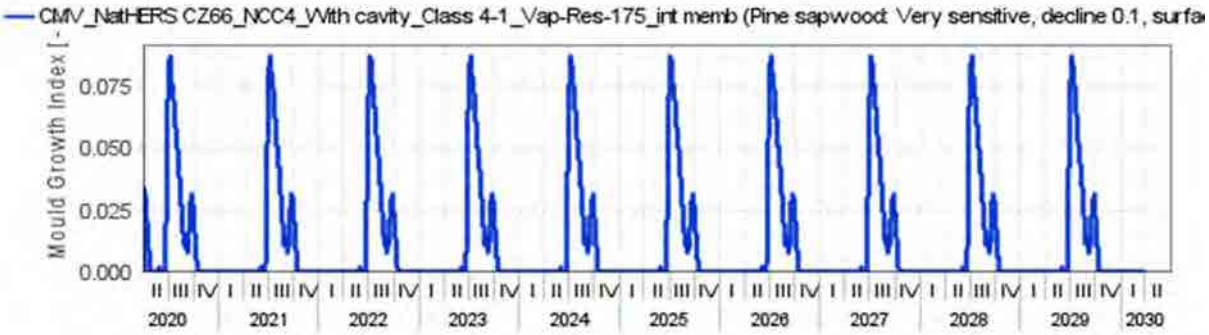

Figure 72: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NCC CZ6

NatHERS CZ 21, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

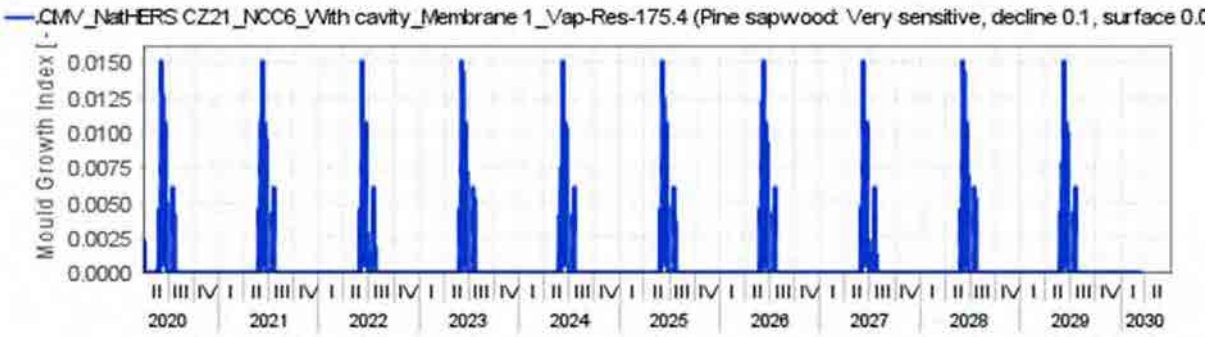

Figure 73: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

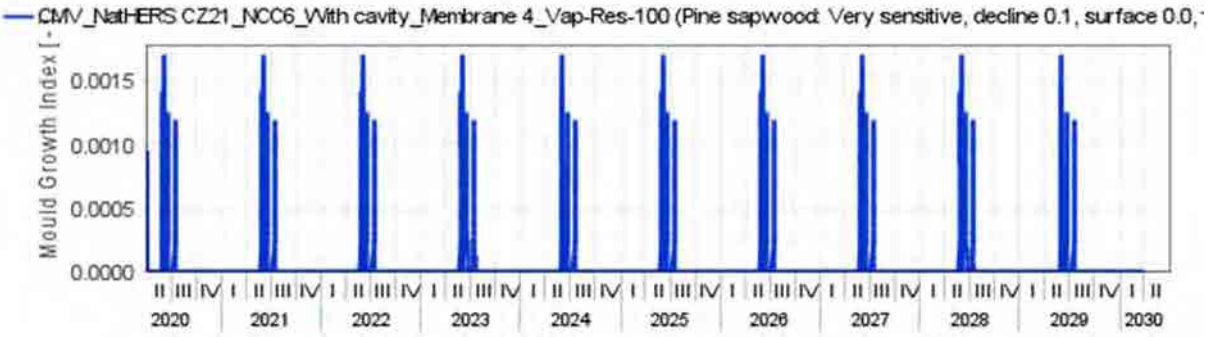

Figure 74: clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

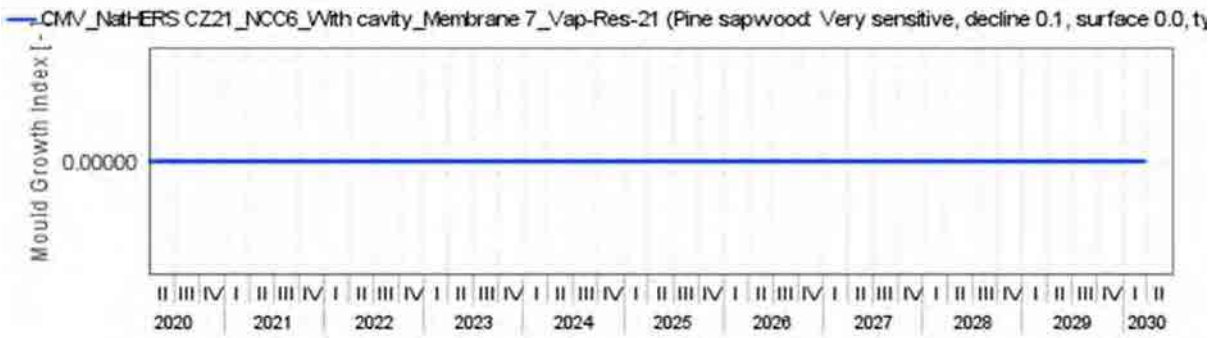

Figure 75: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

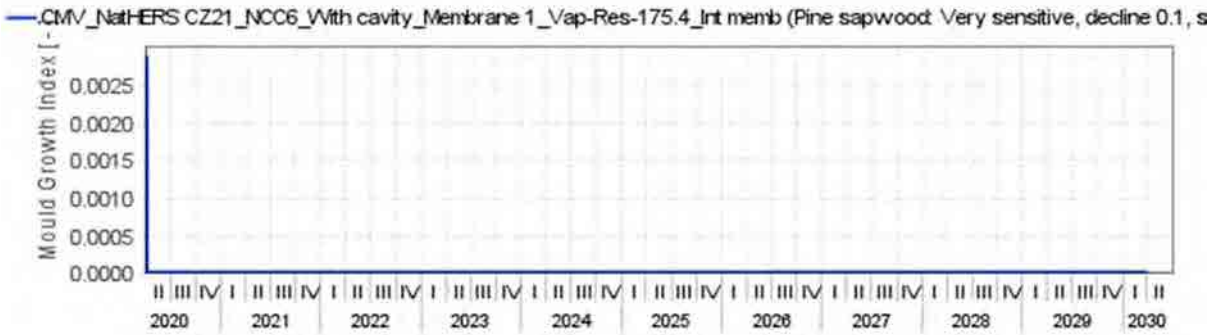

Figure 76: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

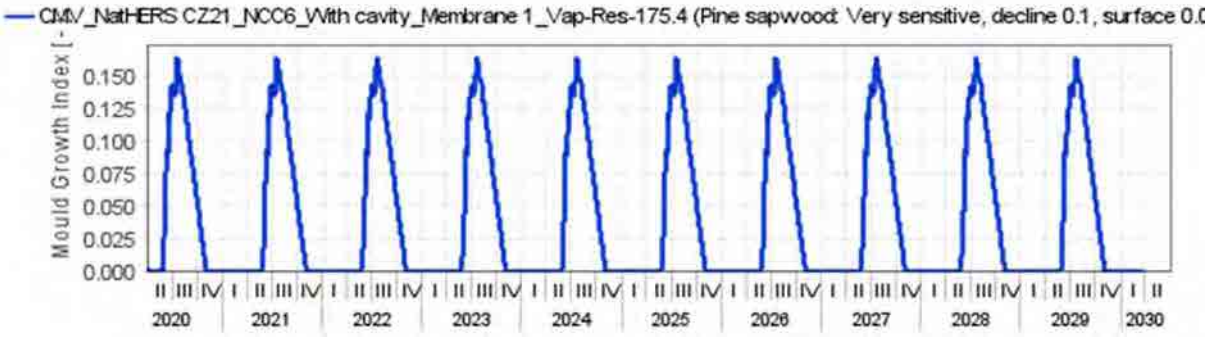

Figure 77: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

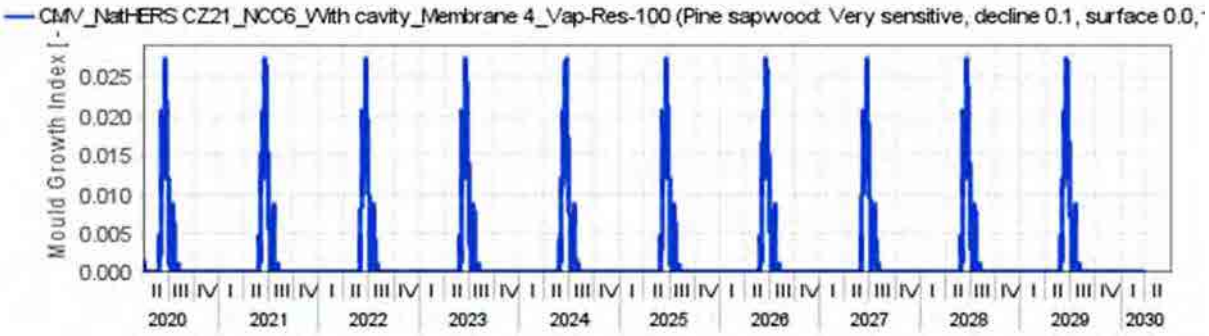

Figure 78: clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

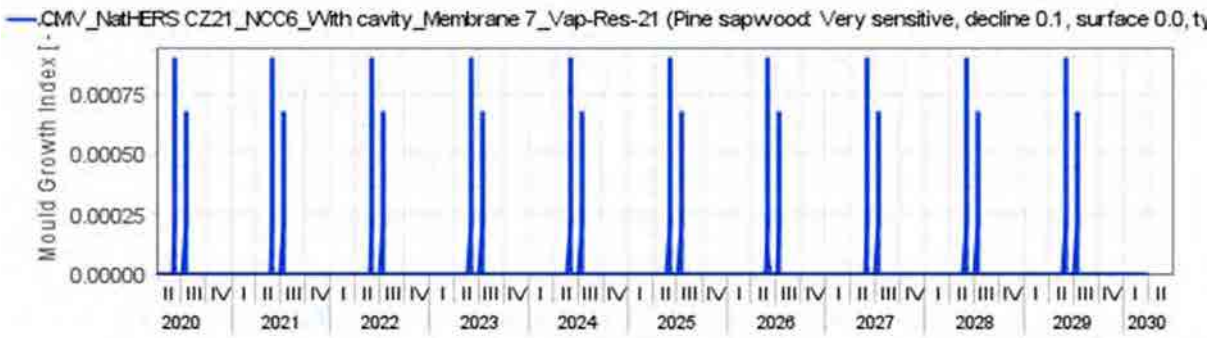

Figure 79: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

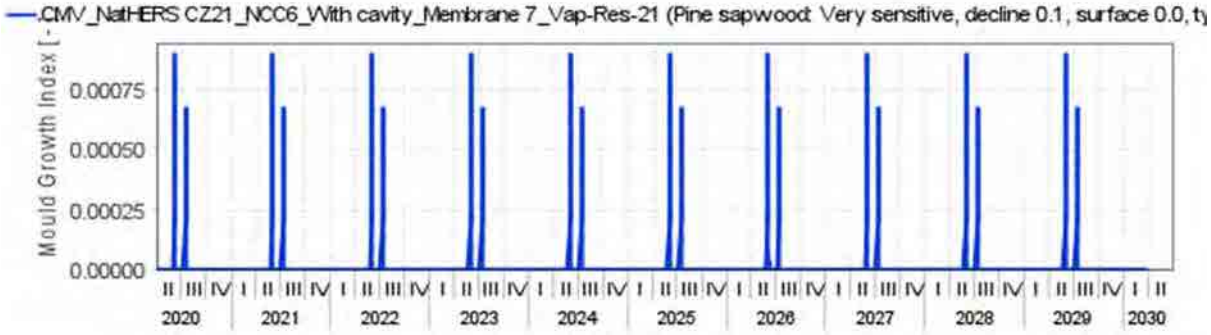

Figure 80: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

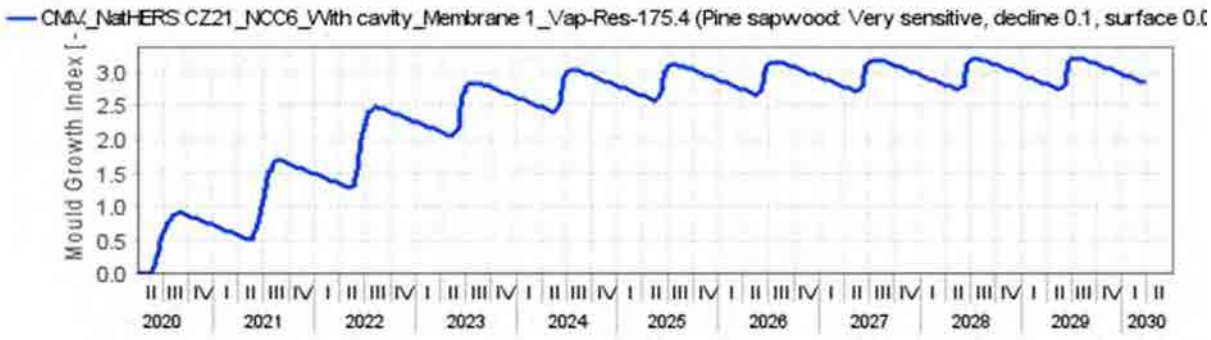

Figure 81: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth –Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

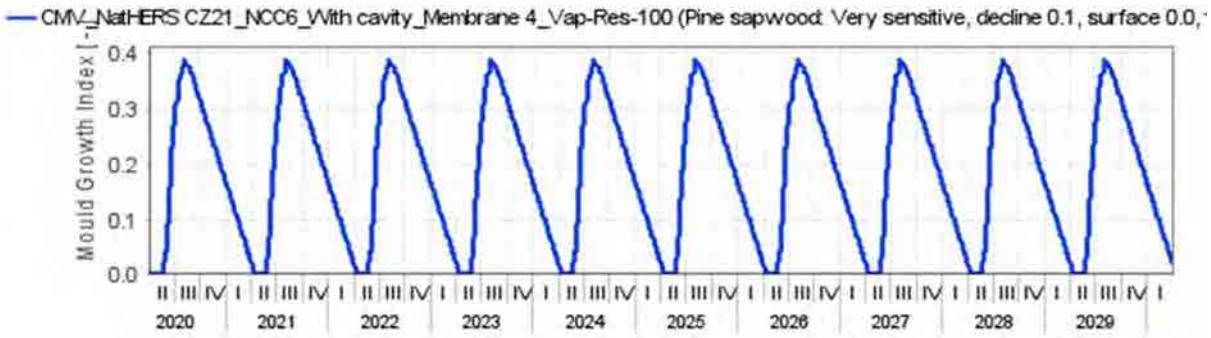

Figure 82: clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

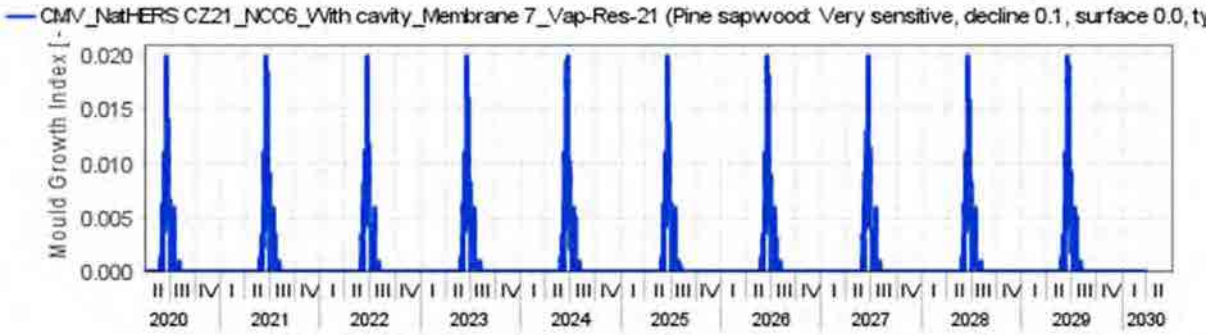

Figure 83: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

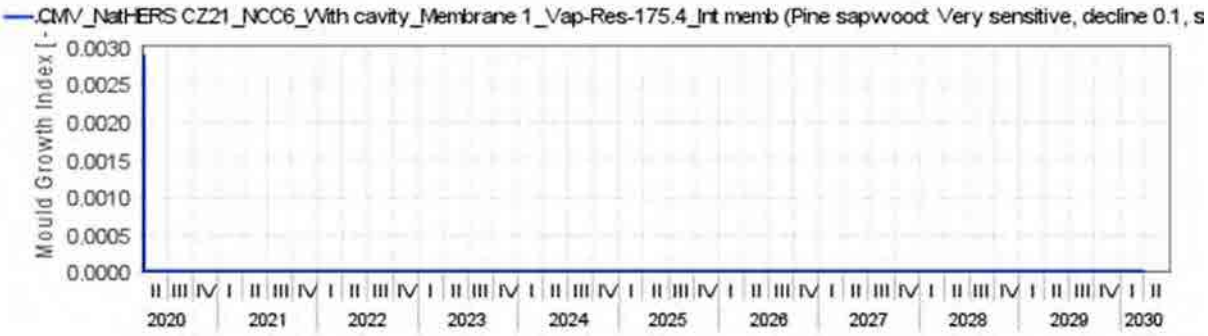

Figure 84: Clay Masonry Veneer NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 in the second year. This wall type requires further investigation.

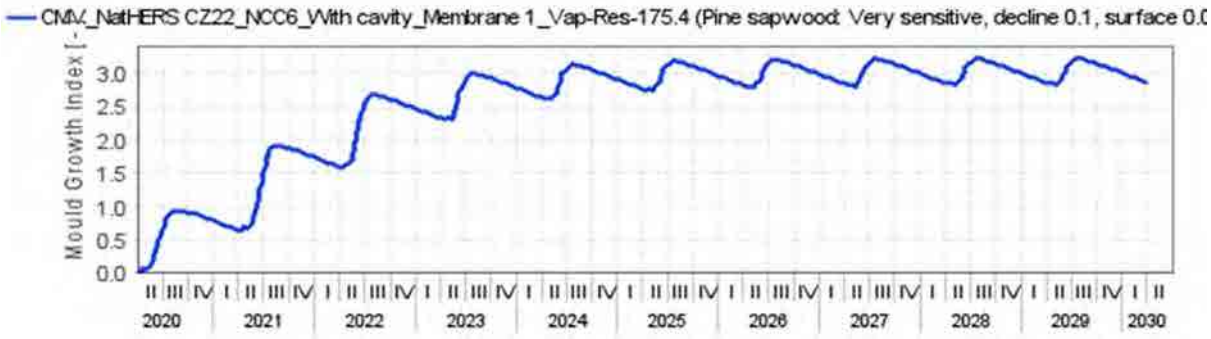

Figure 85: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

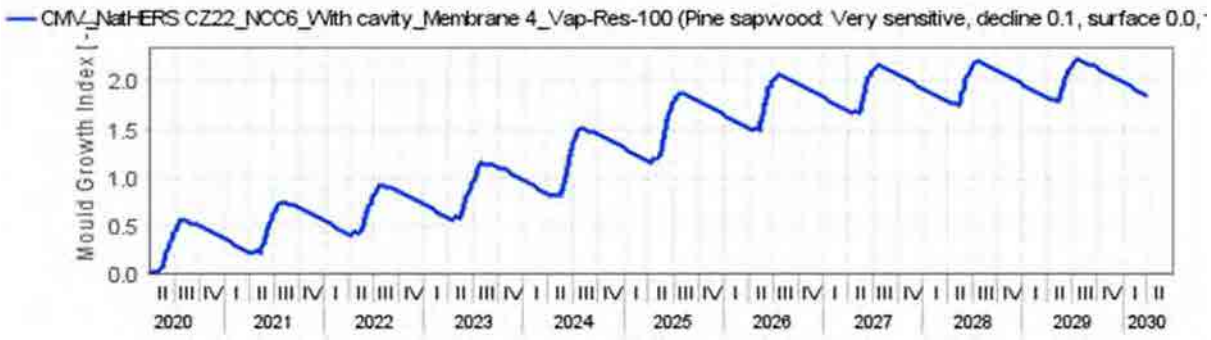

Figure 86: clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

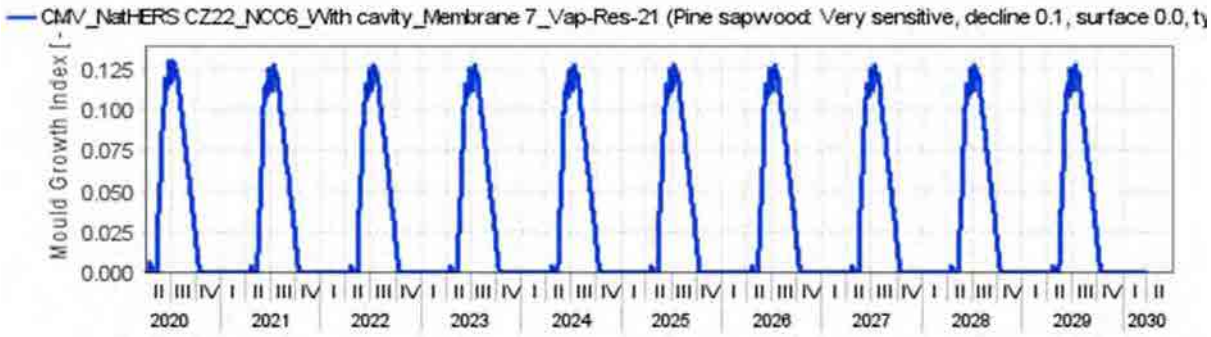

Figure 87: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

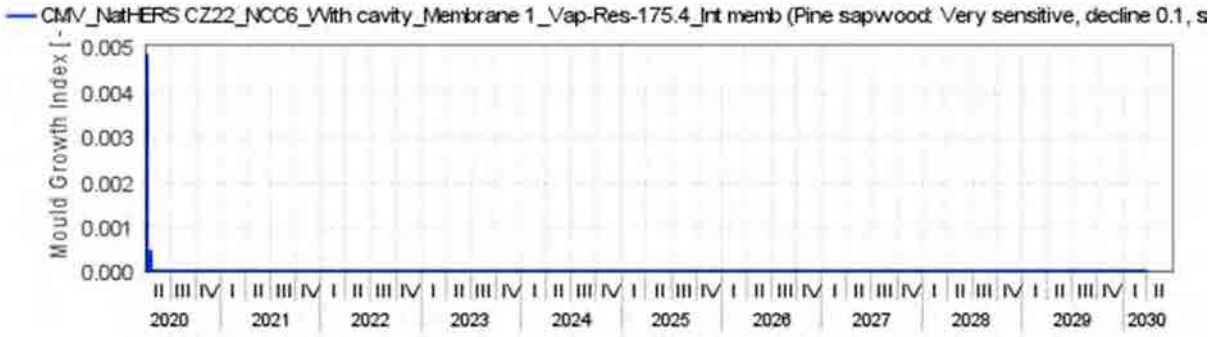

Figure 88: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

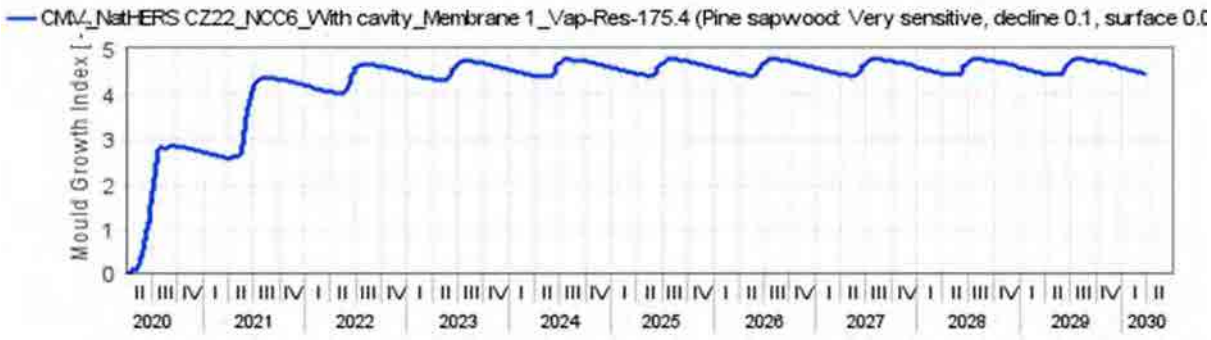

Figure 89: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

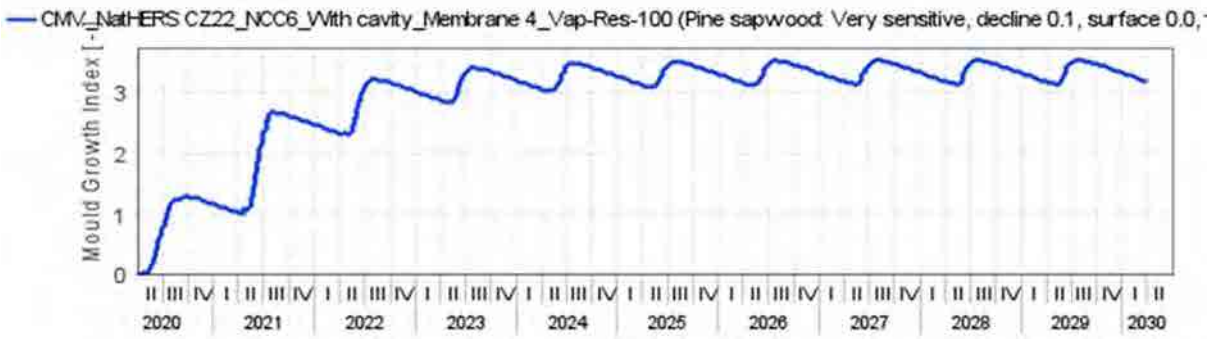

Figure 90: clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

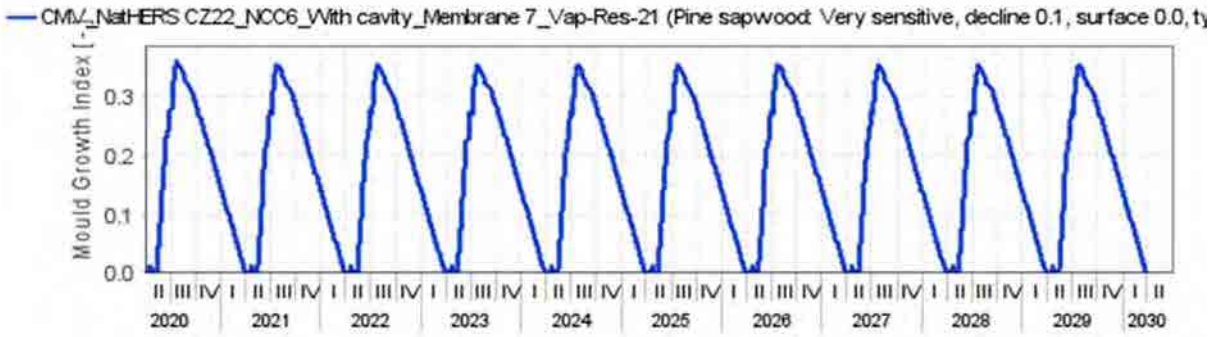

Figure 91: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

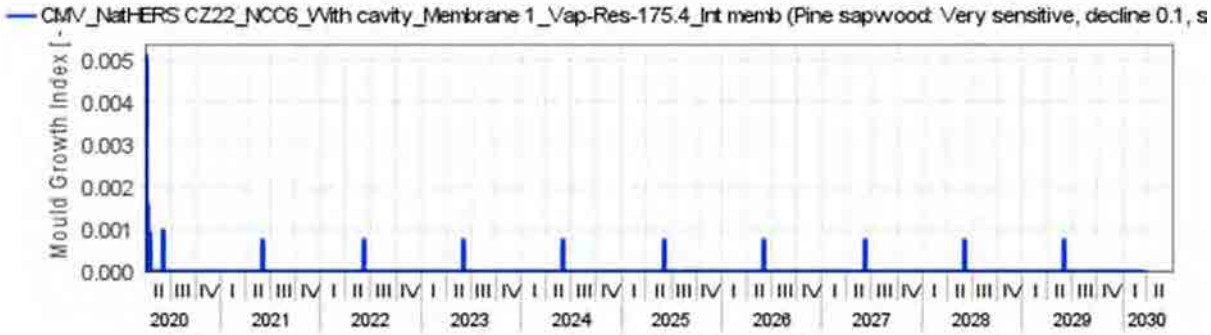

Figure 92: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

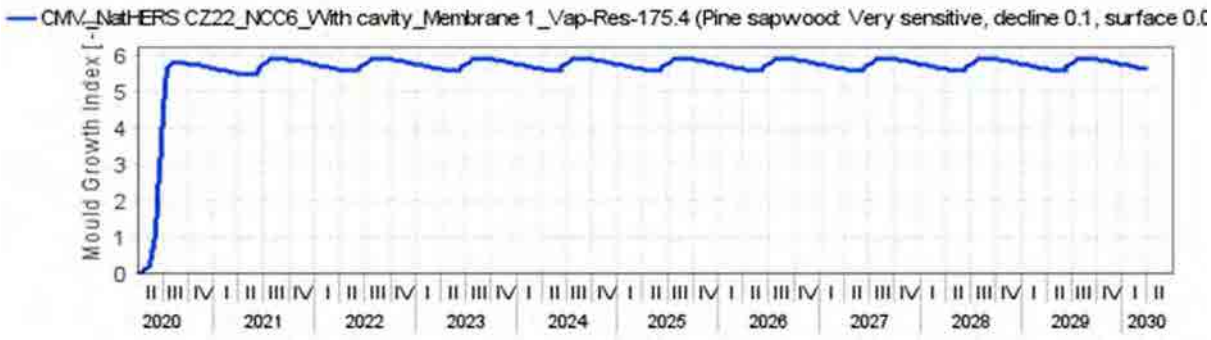

Figure 93: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

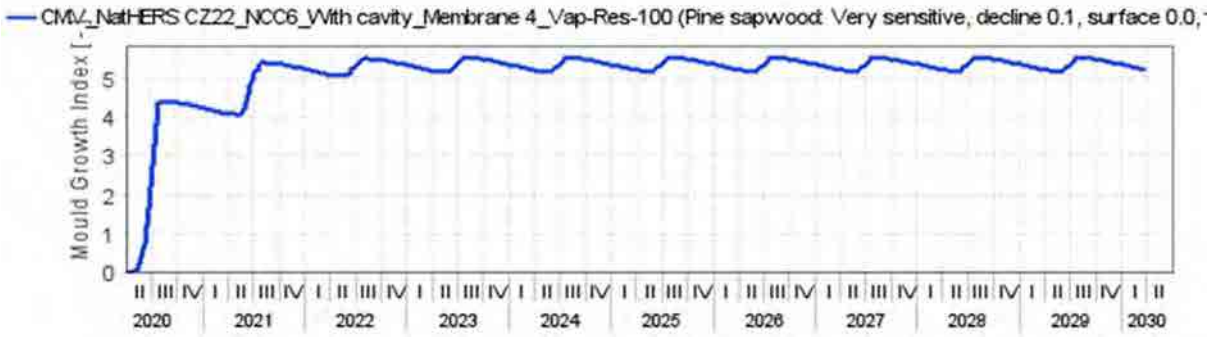

Figure 94: clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

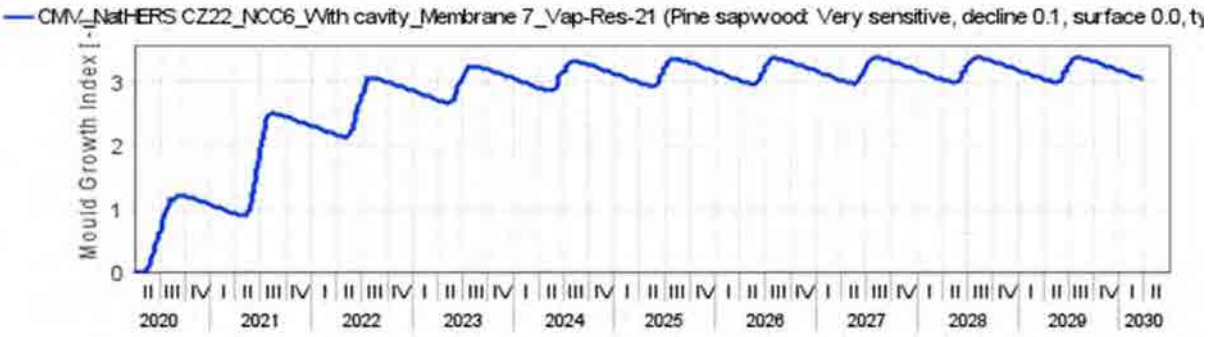

Figure 95: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

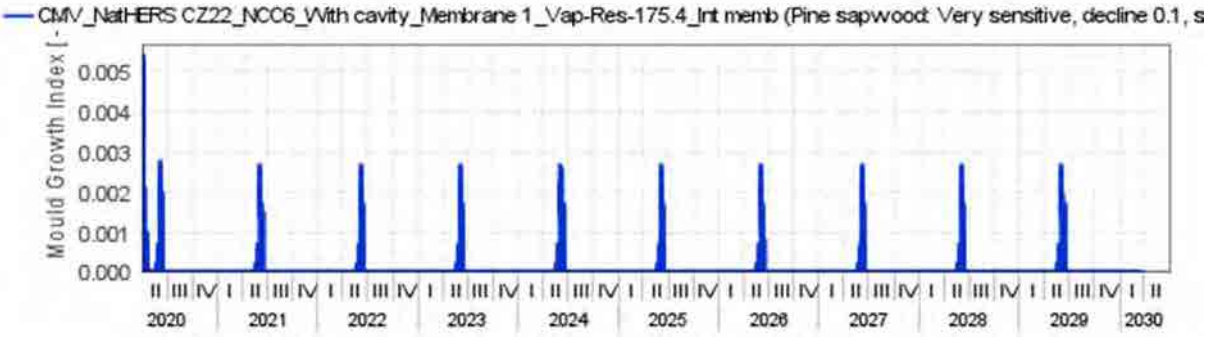

Figure 96: Clay Masonry Veneer NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

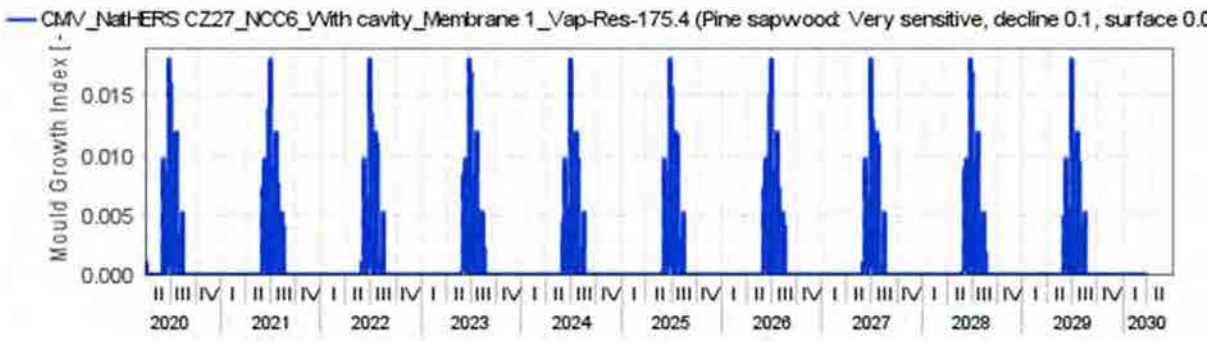

Figure 97: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

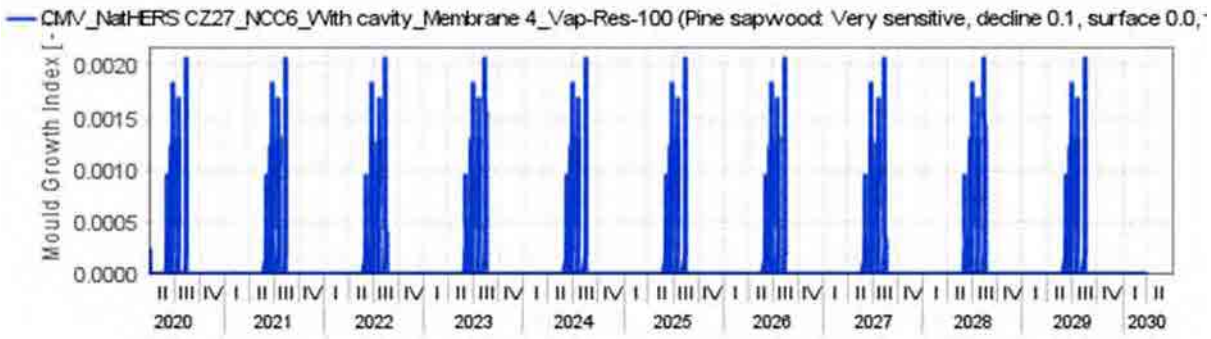

Figure 98: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

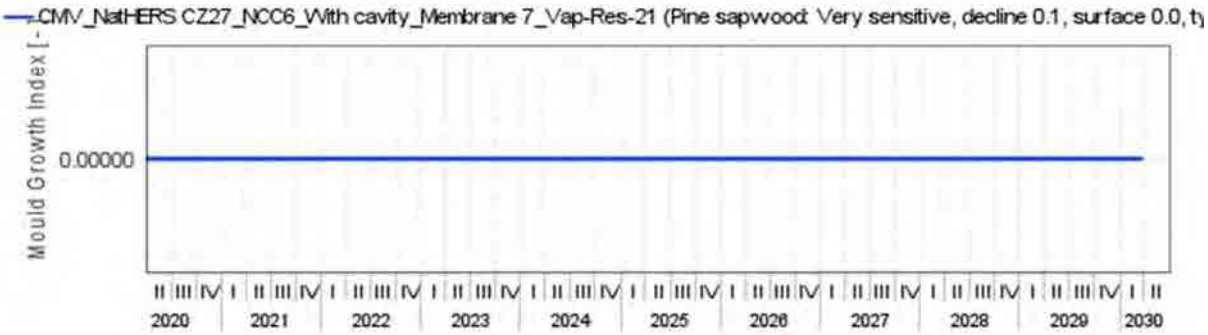

Figure 99: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

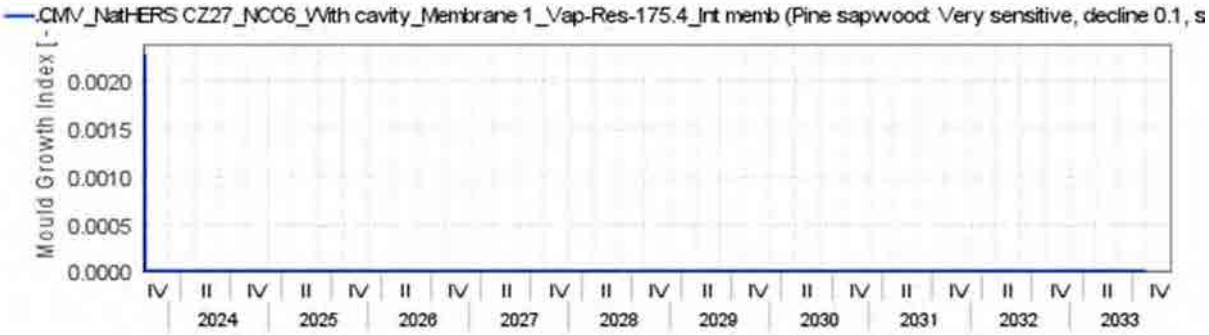

Figure 100: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

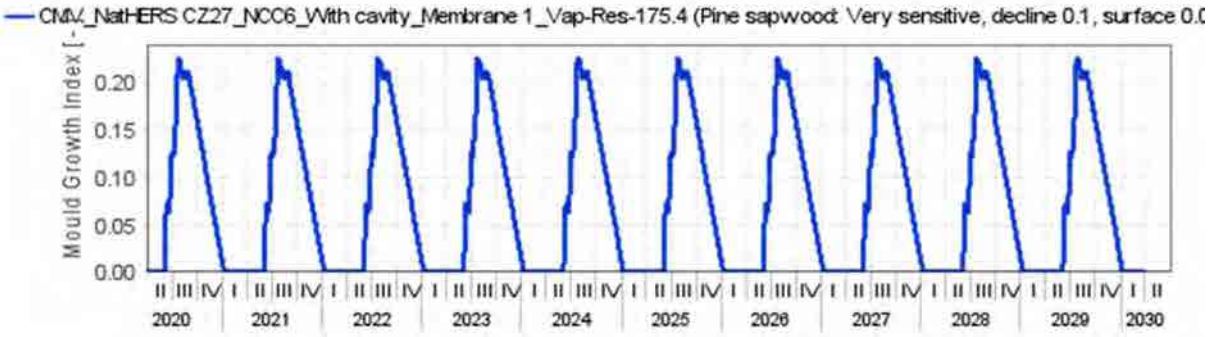

Figure 101: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

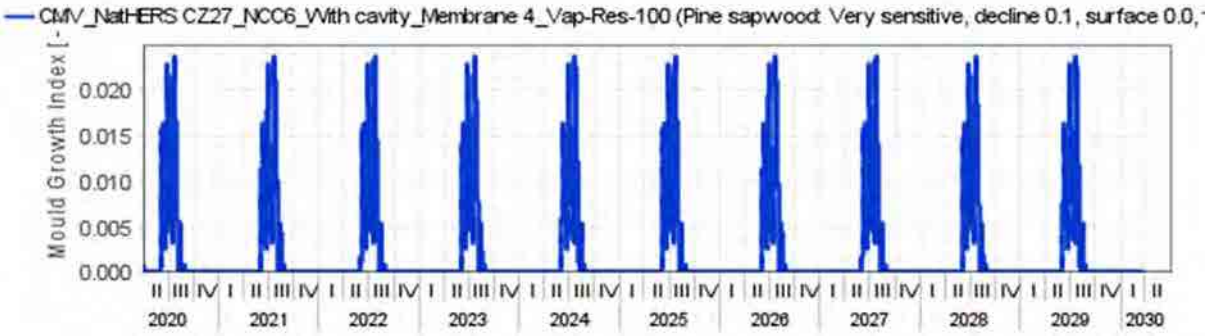

Figure 102: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

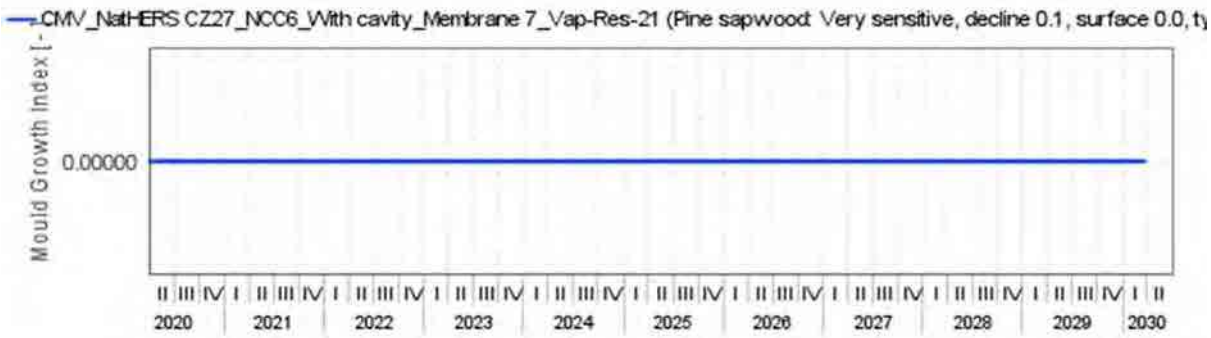

Figure 103: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

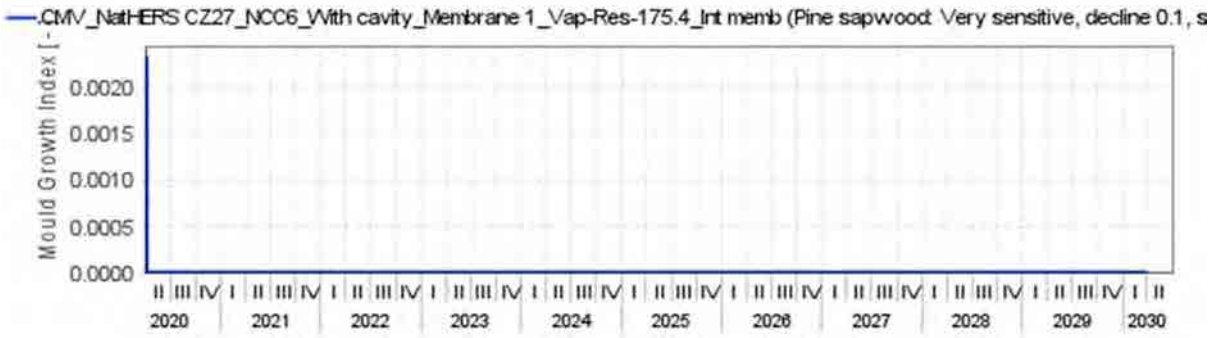

Figure 104: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

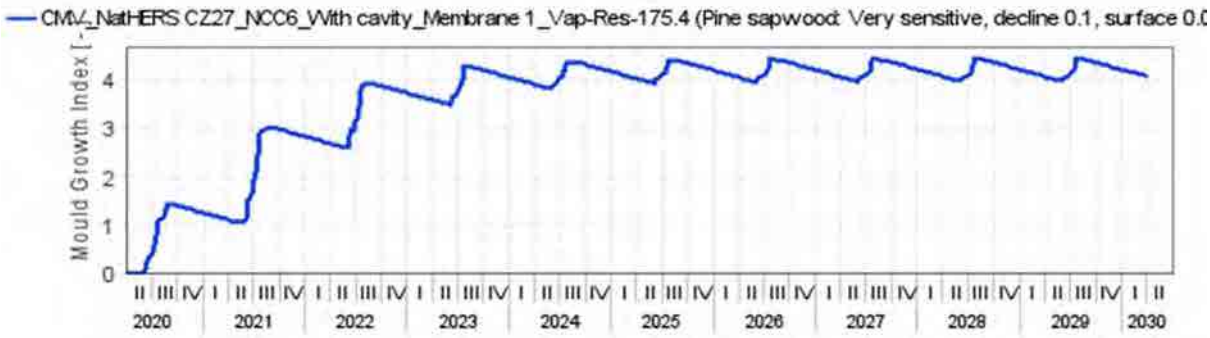

Figure 105: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

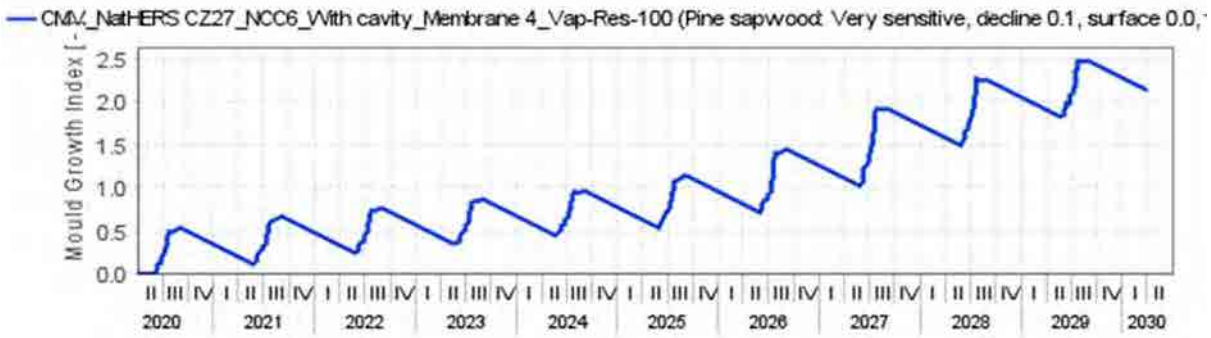

Figure 106: clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

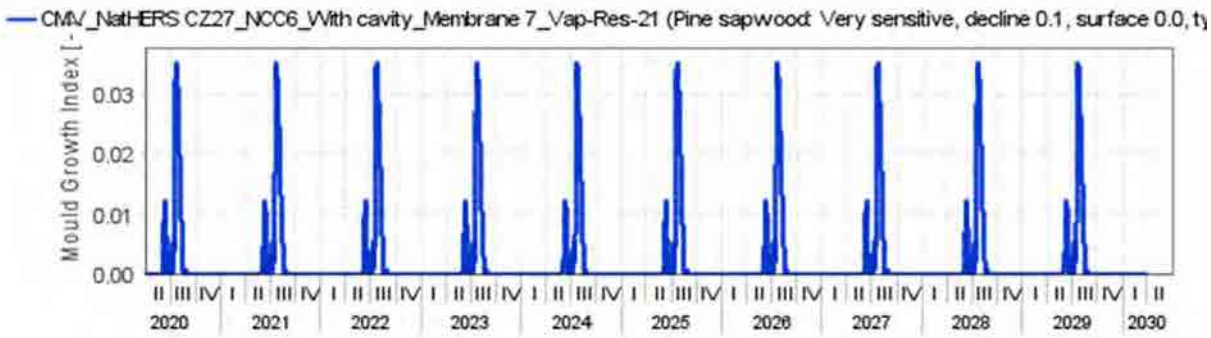

Figure 107: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

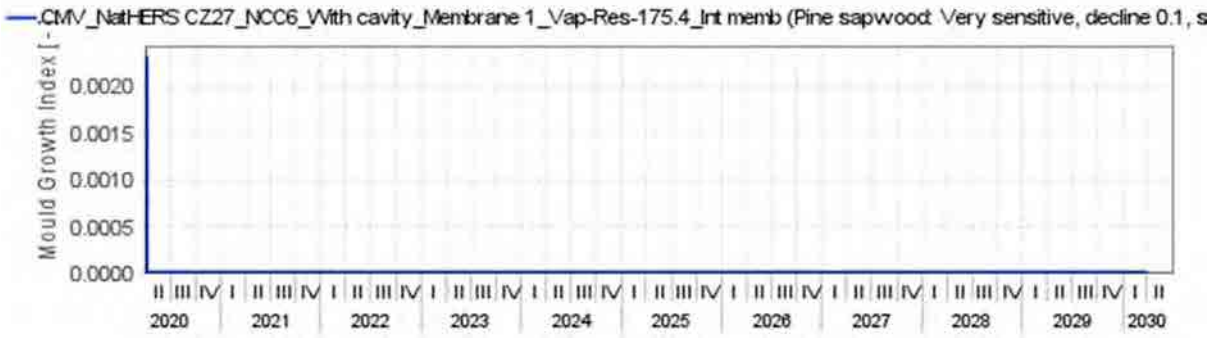

Figure 108: Clay Masonry Veneer NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Brick Δ55.09 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

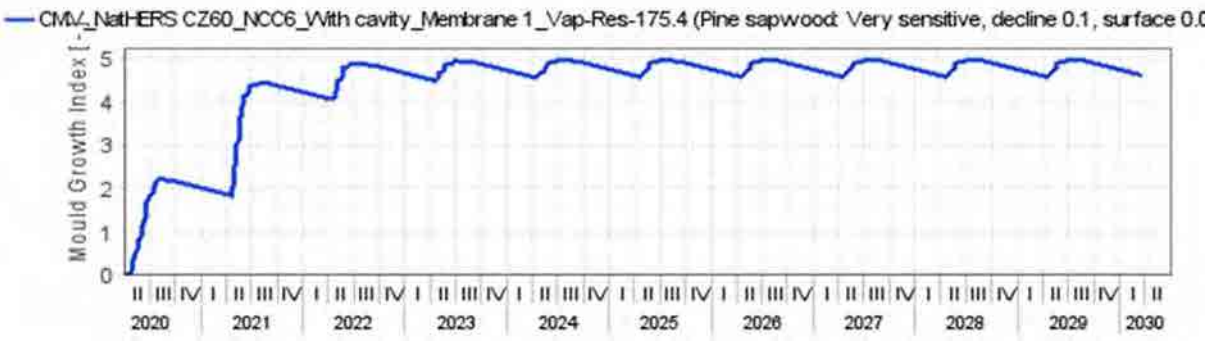

Figure 109: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – N Brick Δ55.10 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 110: clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ55.09 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 111: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ55.04 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 112: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Brick Δ55.11 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

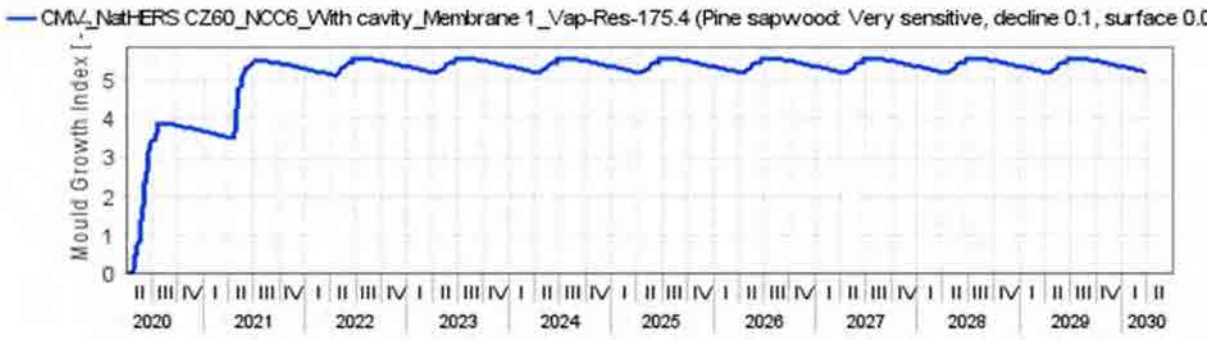

Figure 113: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Brick Δ55.13 kg/m2
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

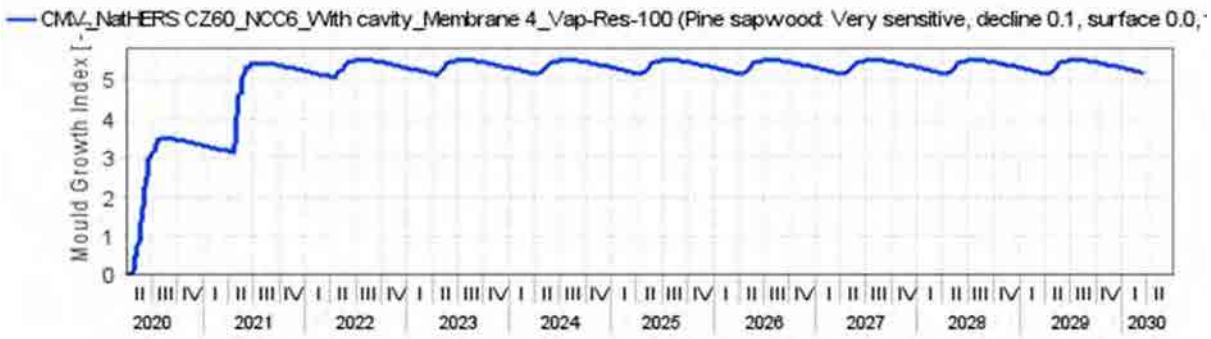

Figure 114: clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ55.16 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 115: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ55.05 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

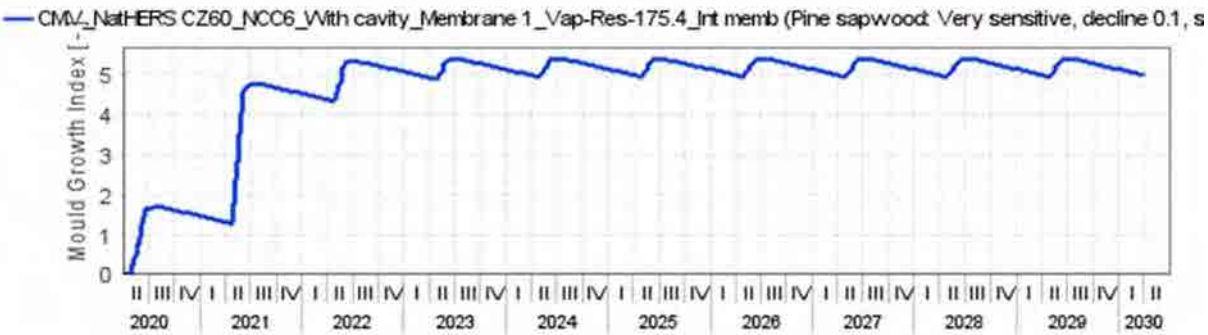

Figure 116: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ55.14 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

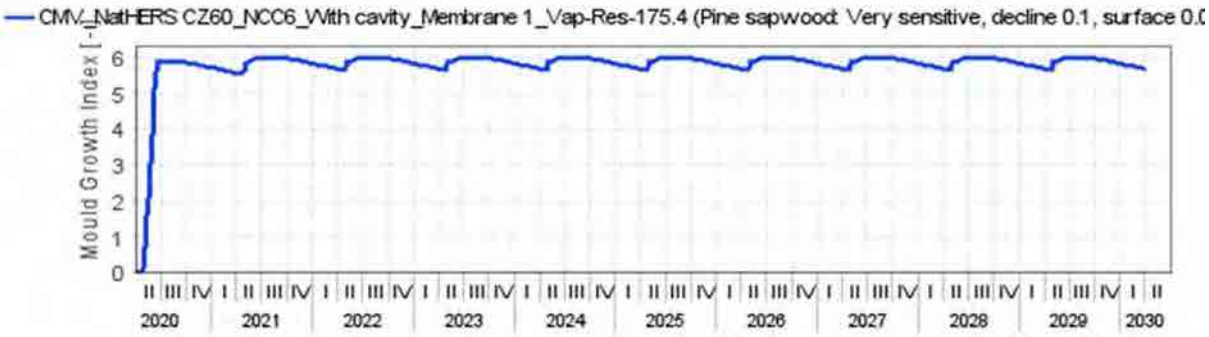

Figure 117: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ55.17 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

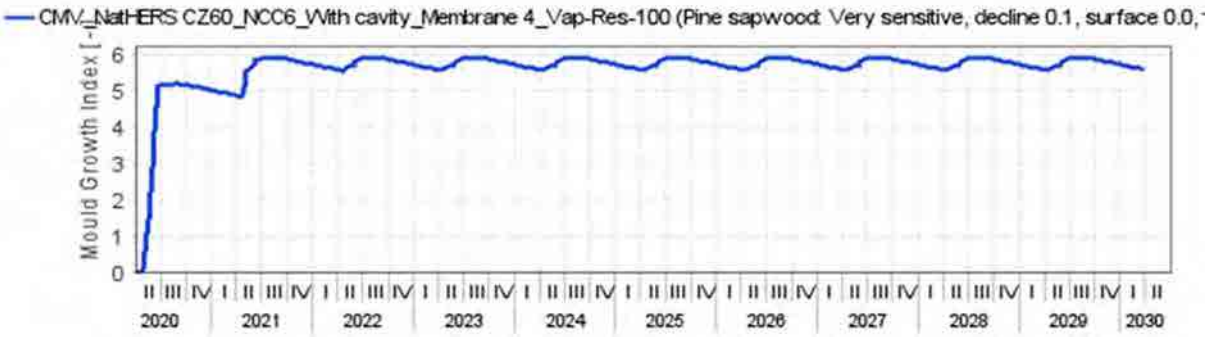

Figure 118: clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ55.2 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

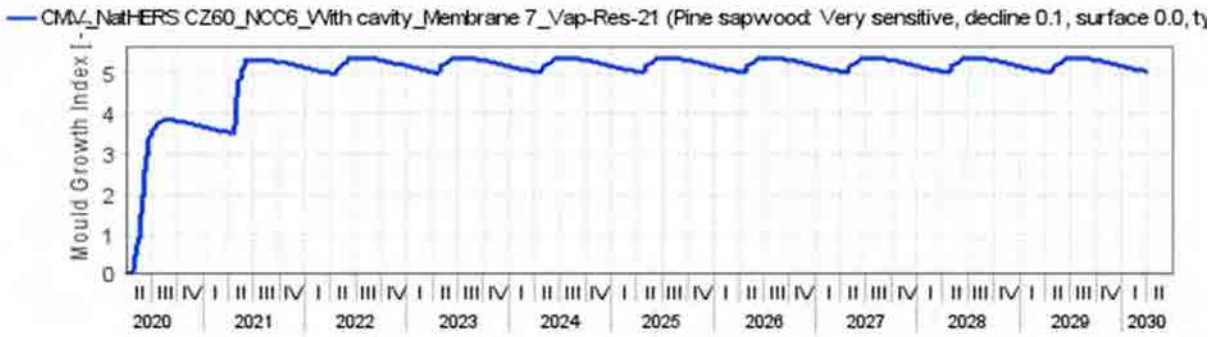

Figure 119: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ55.05 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

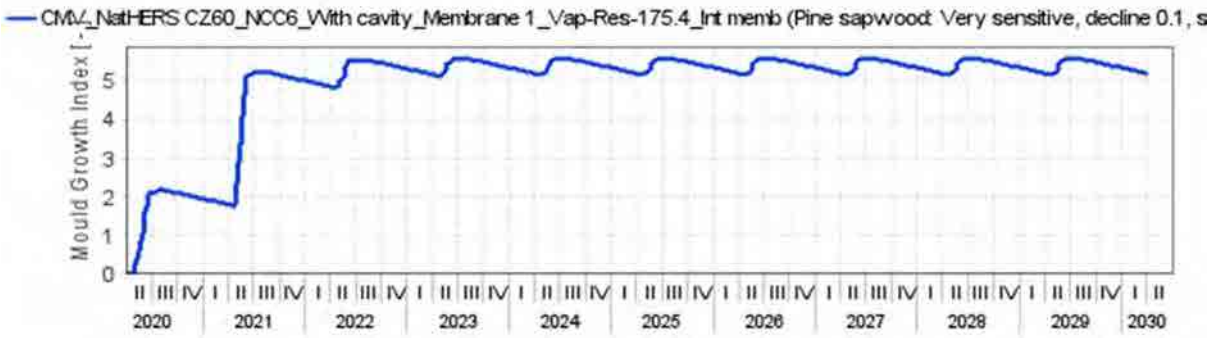

Figure 120: Clay Masonry Veneer NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.47 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

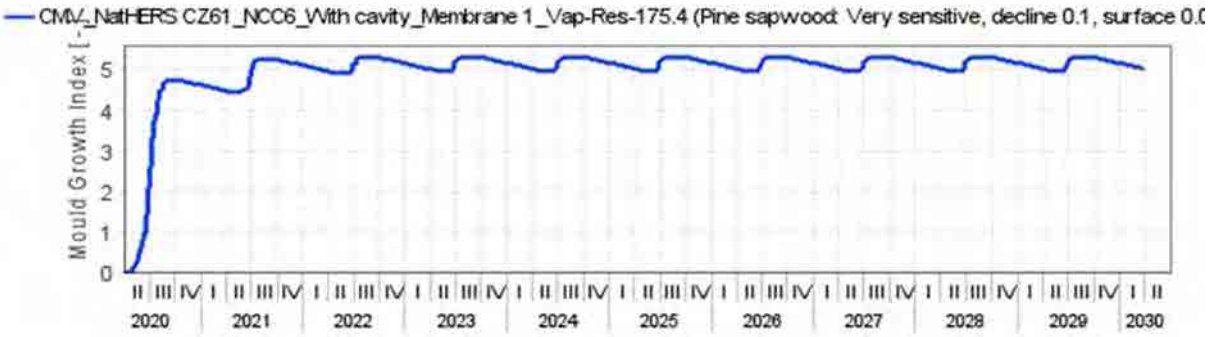

Figure 121: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.49 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

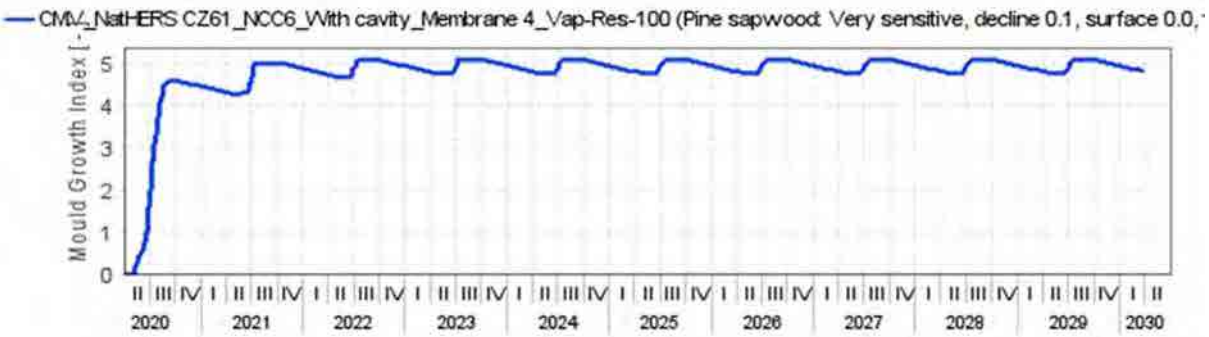

Figure 122: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ15.53 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

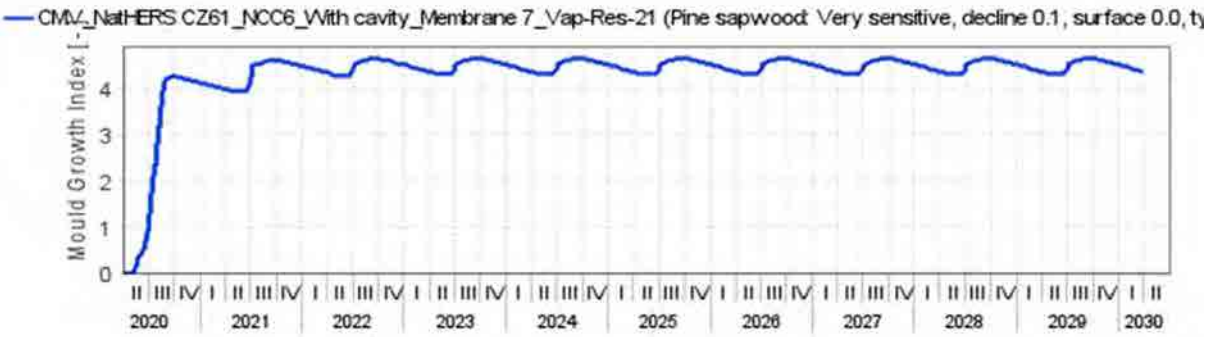

Figure 123: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.41 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 124: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.49 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

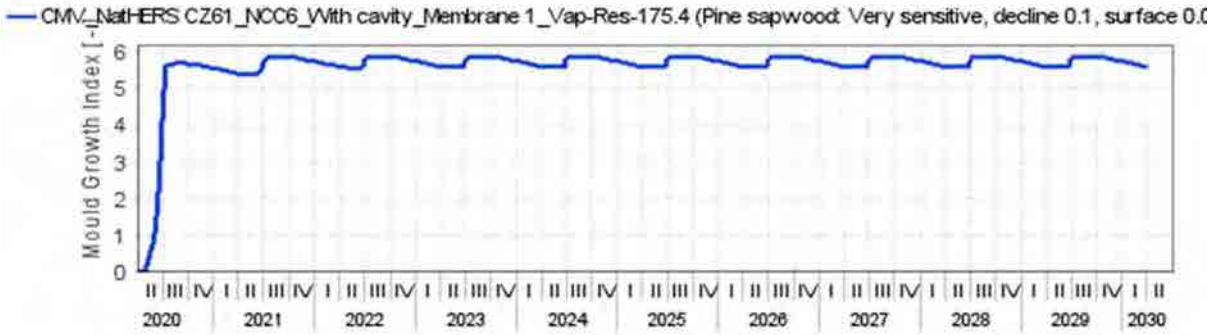

Figure 125: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.52 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

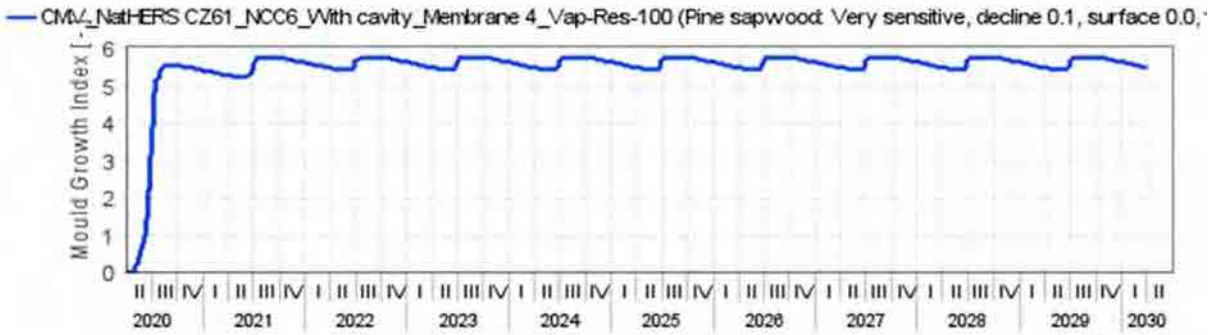

Figure 126: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ15.56 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

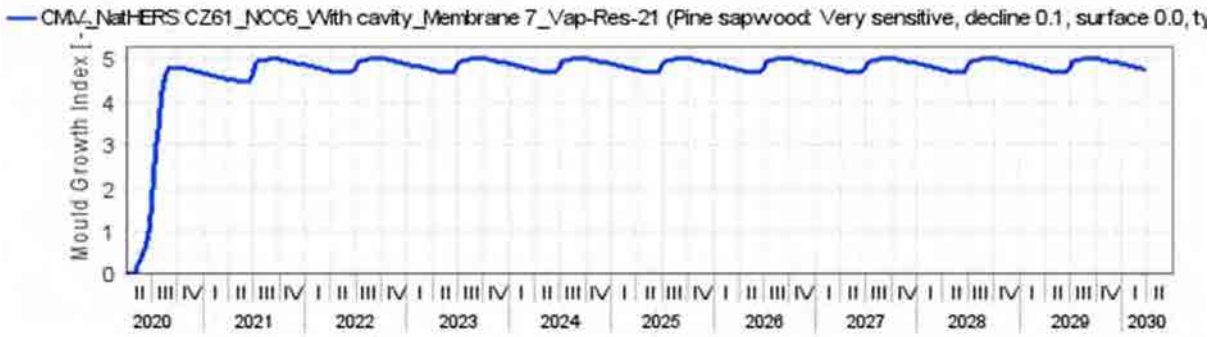

Figure 127: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.41 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

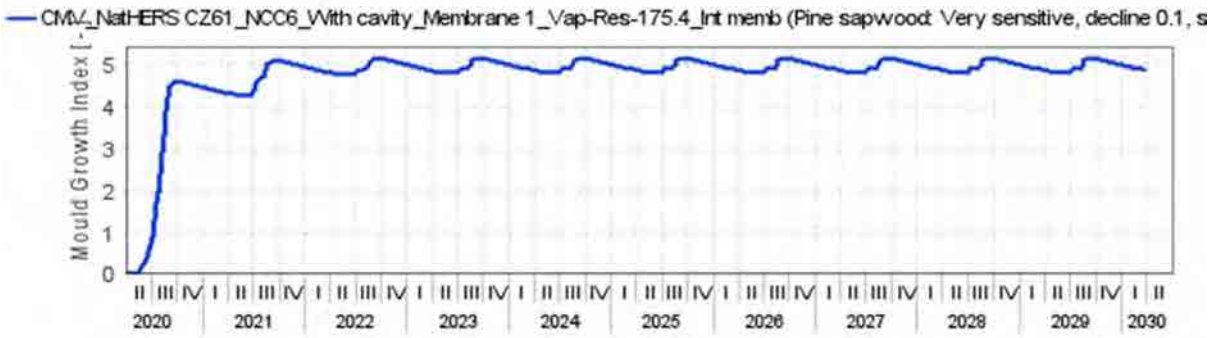

Figure 128: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ15.51 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

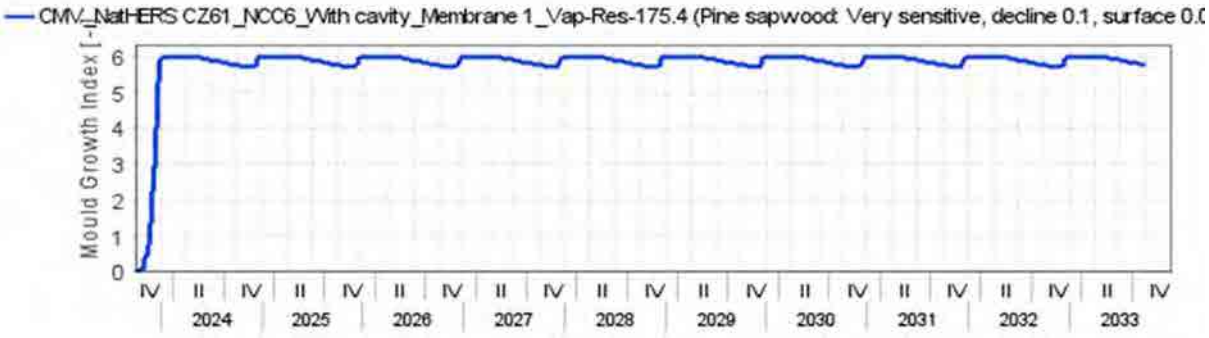

Figure 129: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ15.55 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

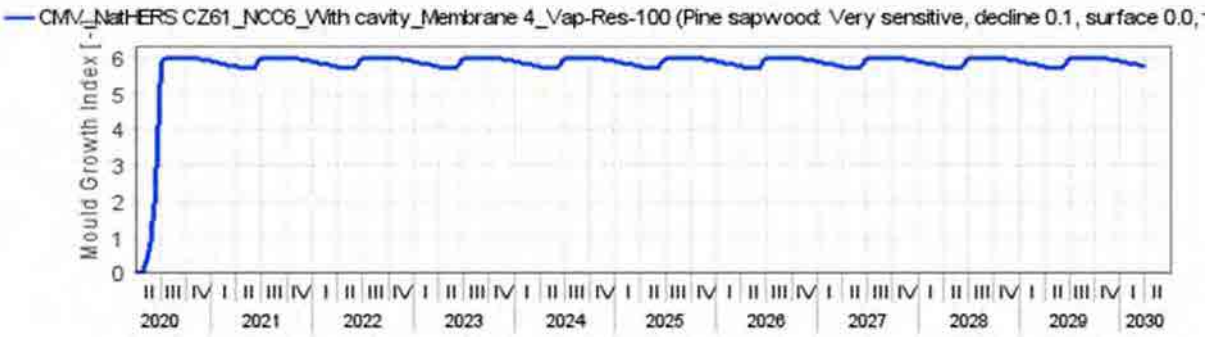

Figure 130: clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ15.62 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

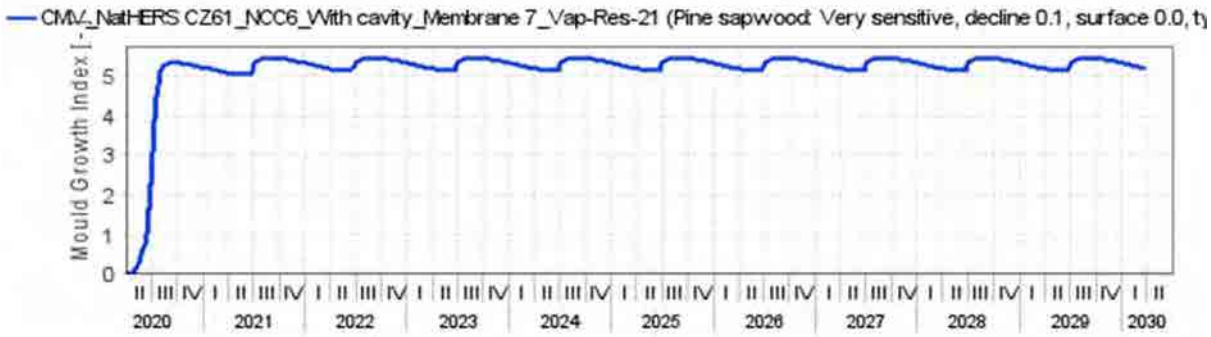

Figure 131: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ15.42 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

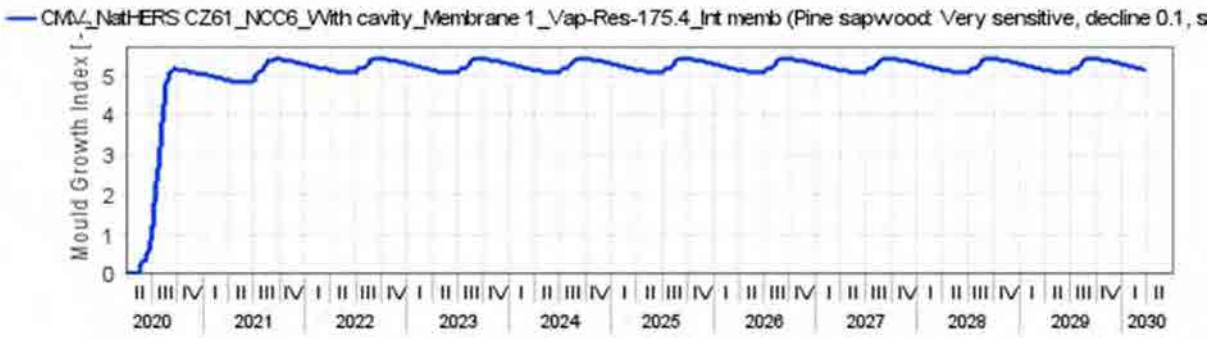

Figure 132: Clay Masonry Veneer NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ47.83 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

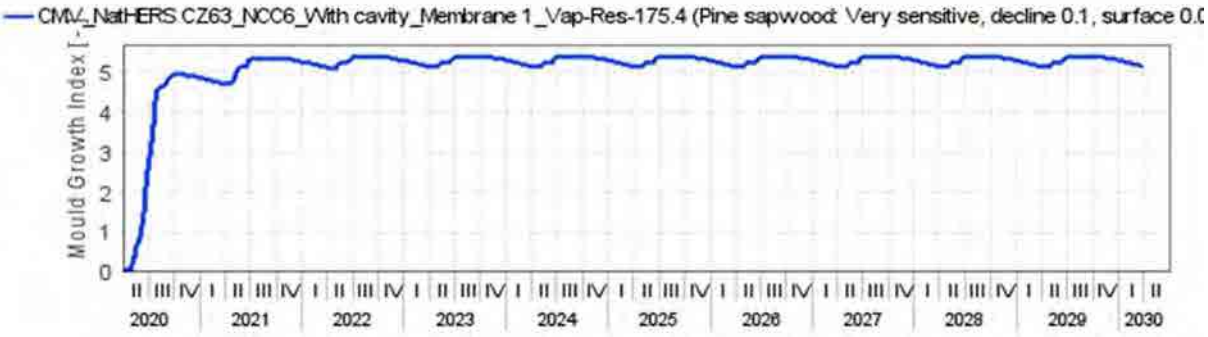

Figure 133: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ47.83 kg/m2
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

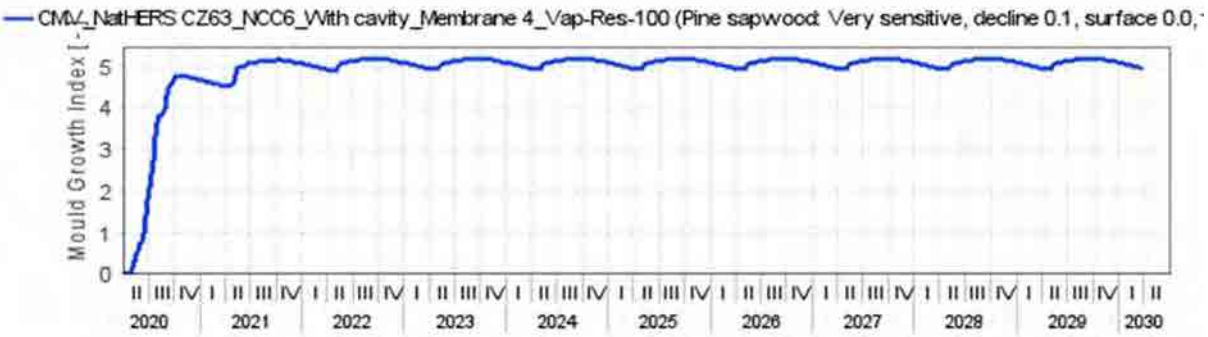

Figure 134: clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ47.84 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

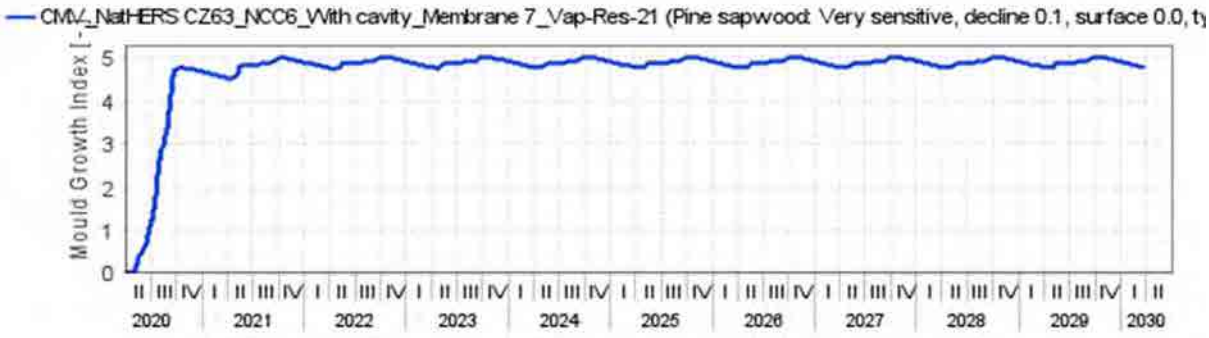

Figure 135: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ47.75 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 136: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ47.98 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

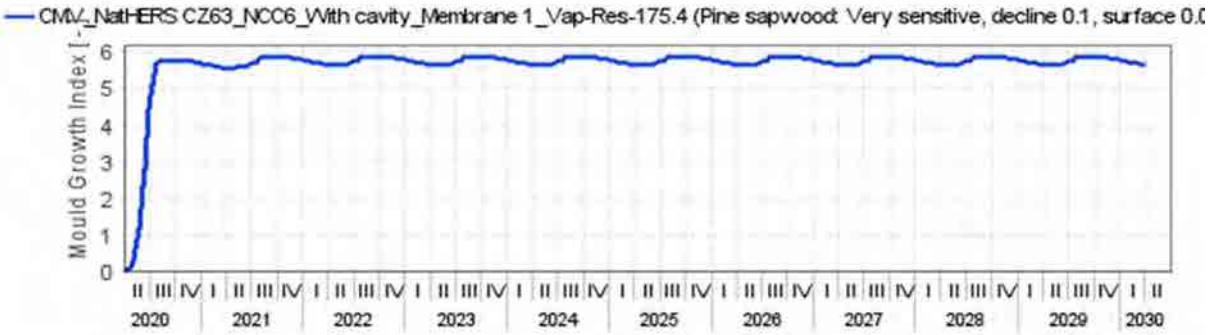

Figure 137: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ48.01 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

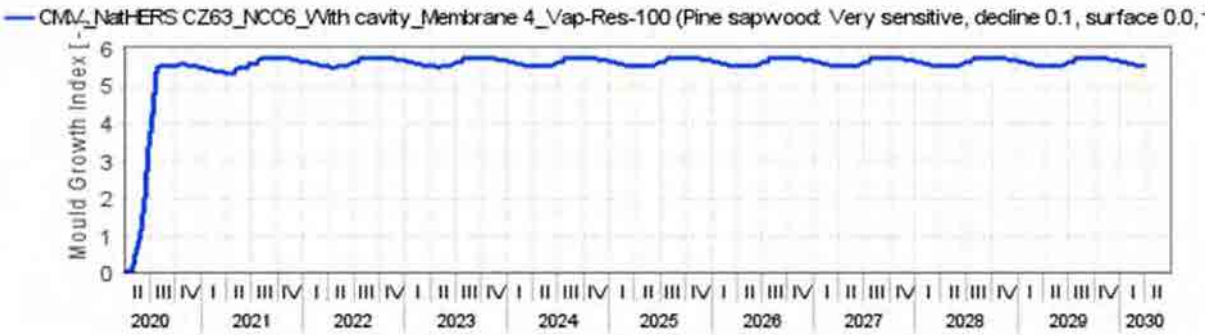

Figure 138: clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ48.06 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

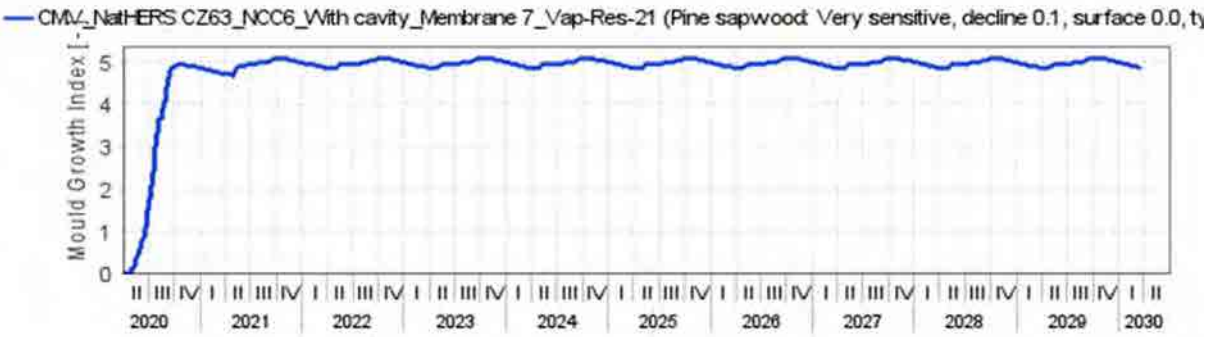

Figure 139: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ47.77 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

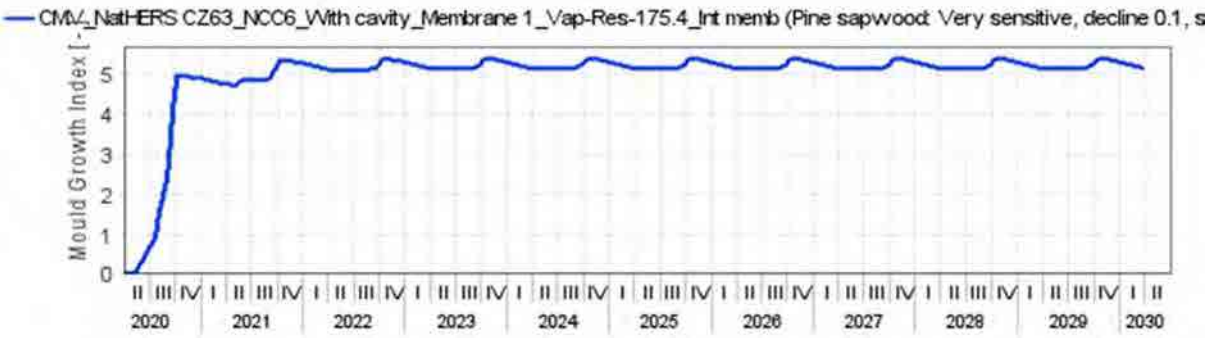

Figure 140: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Brick Δ48.11 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

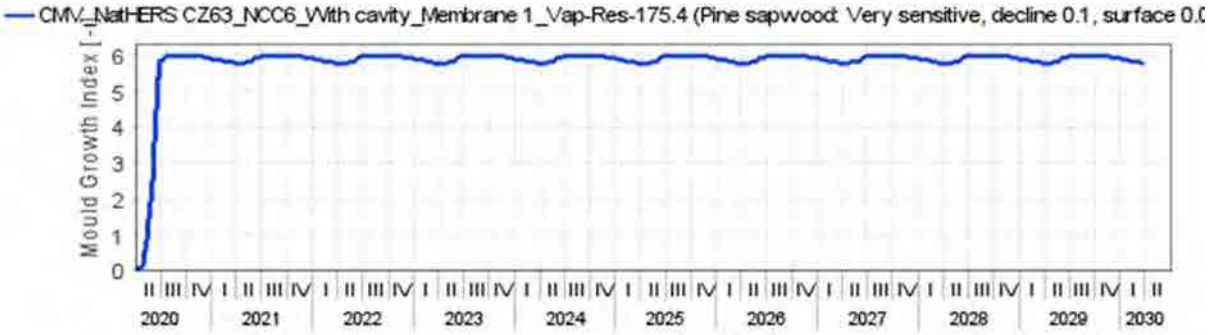

Figure 141: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Brick Δ48.16 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

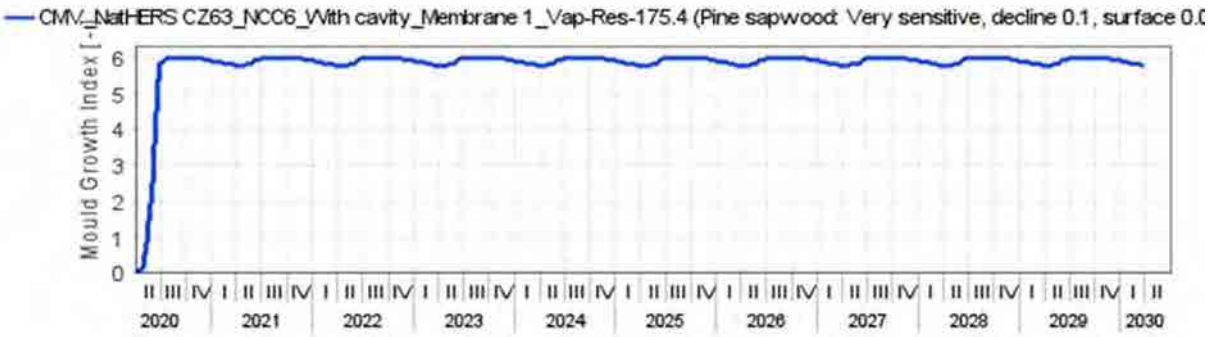

Figure 142: clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Brick Δ48.24 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

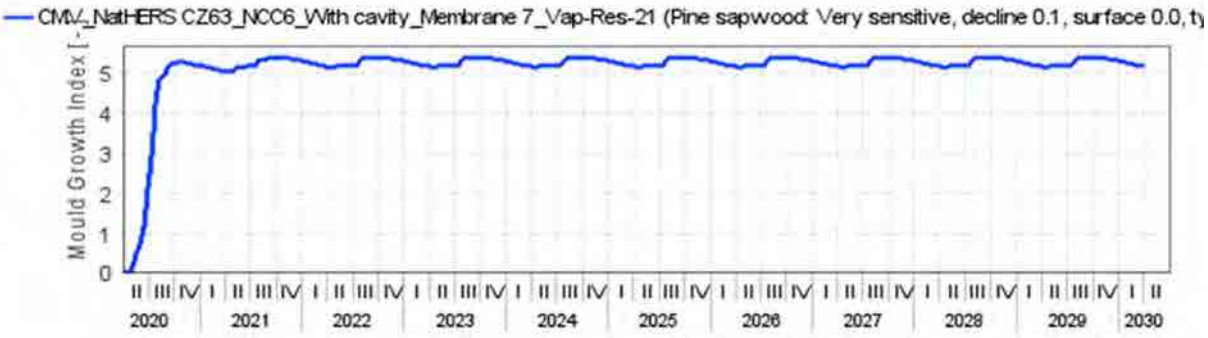

Figure 143: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Brick Δ47.80 kg/m2

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

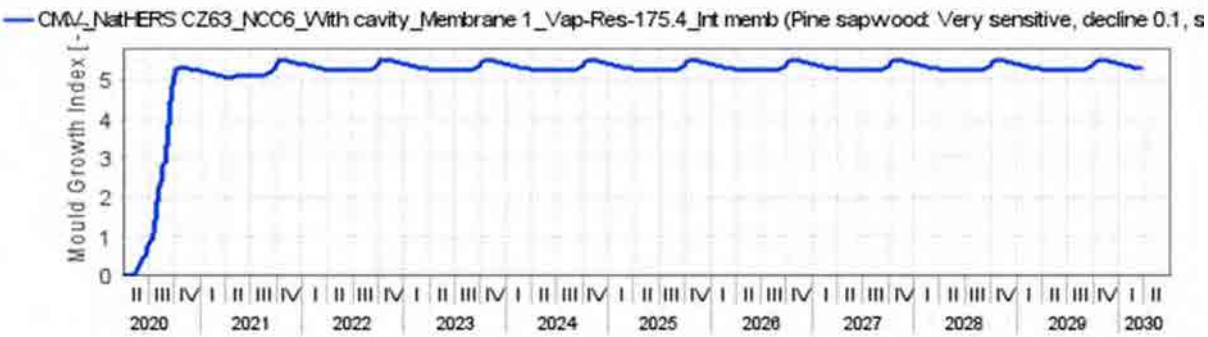

Figure 144: Clay Masonry Veneer NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

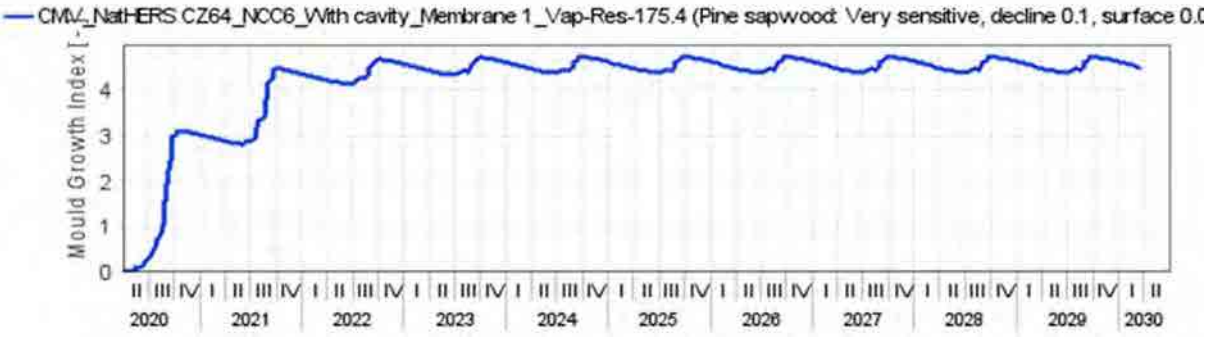

Figure 145: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 146: clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

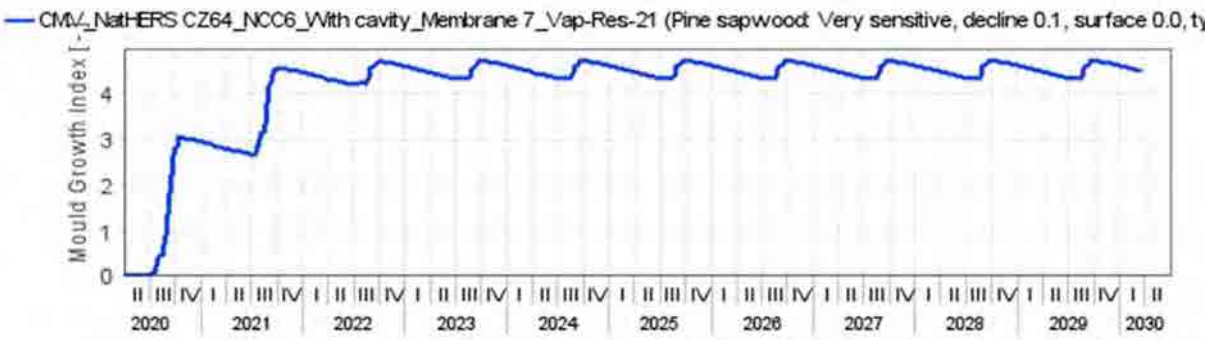

Figure 147: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 148: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

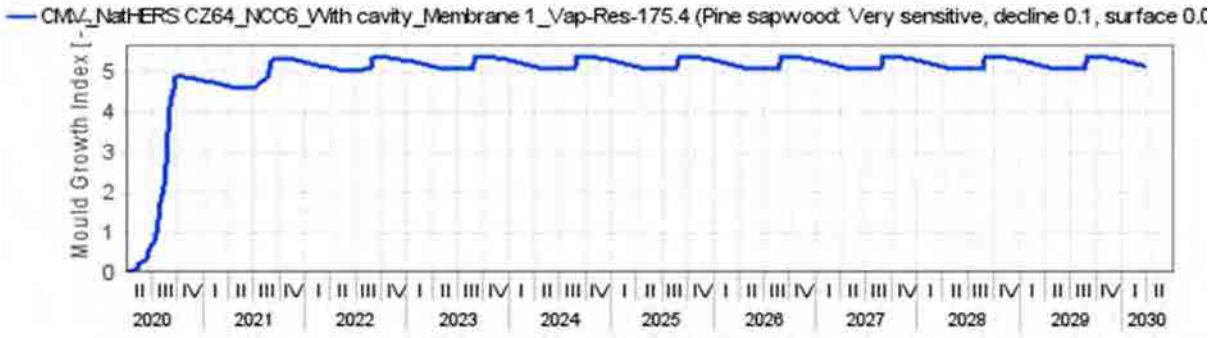

Figure 149: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

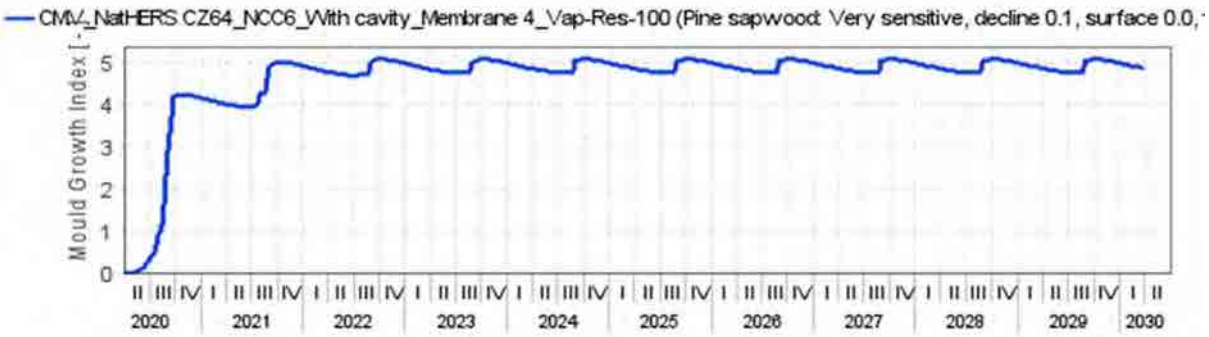

Figure 150: clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

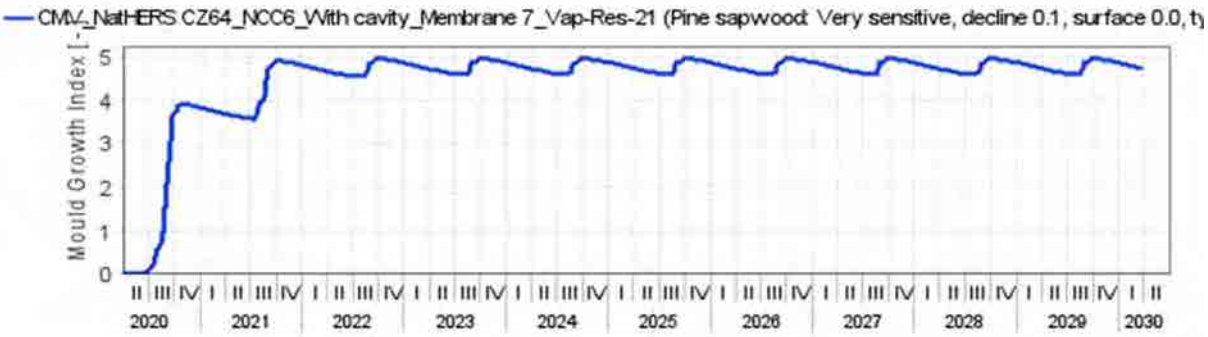

Figure 151: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

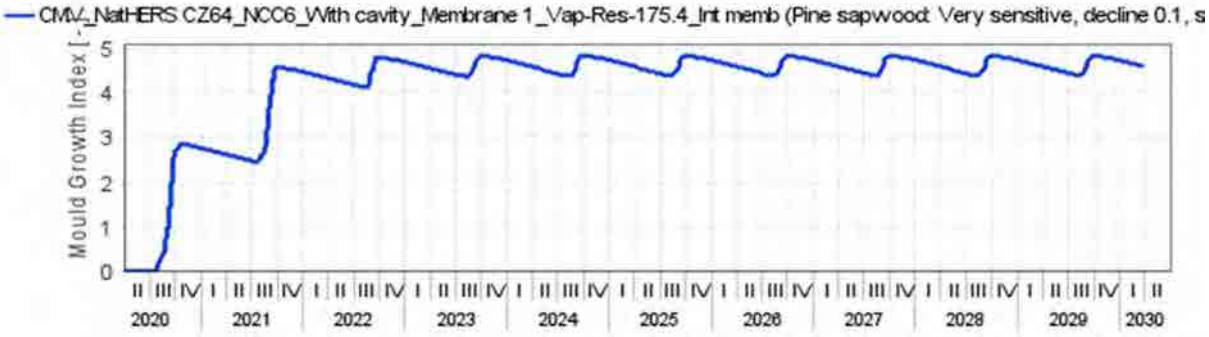

Figure 152: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

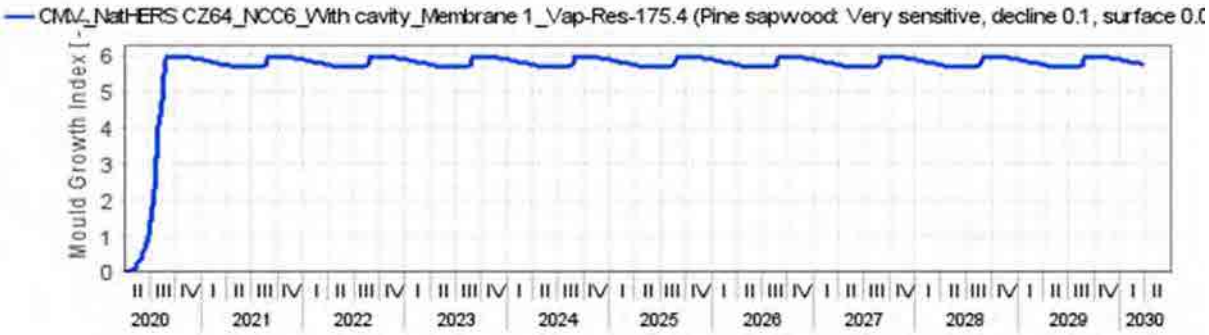

Figure 153: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

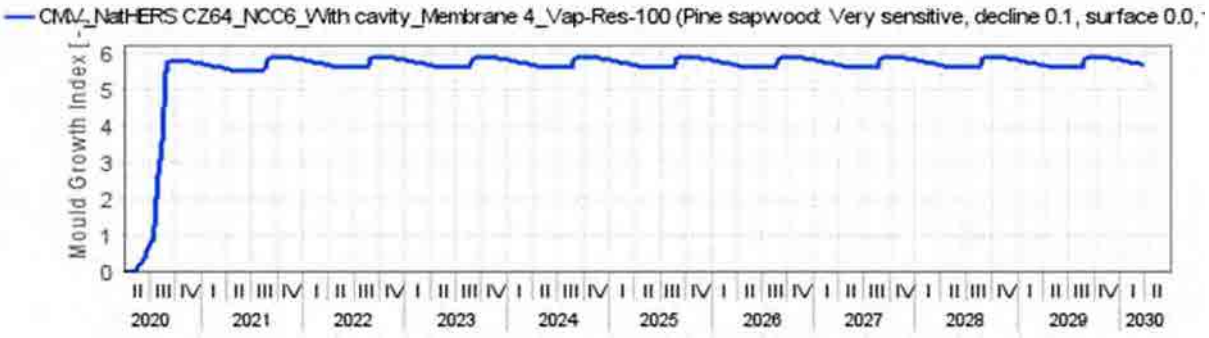

Figure 154: clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

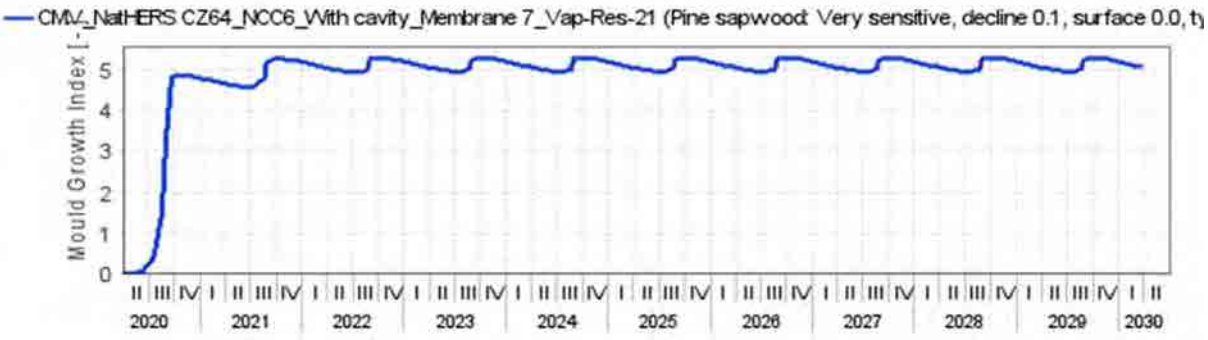

Figure 155: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 156: Clay Masonry Veneer NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 6 Star and 7 Star Clay Masonry Veneer wall

ACR 10 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

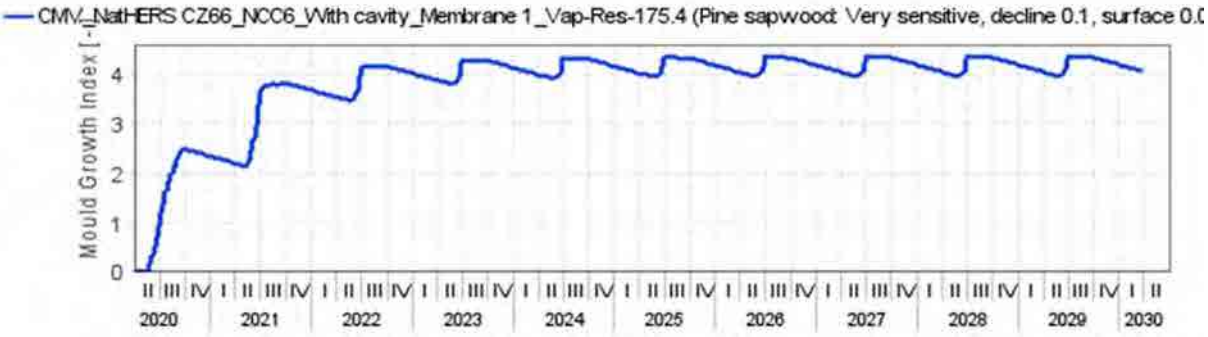

Figure 157: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

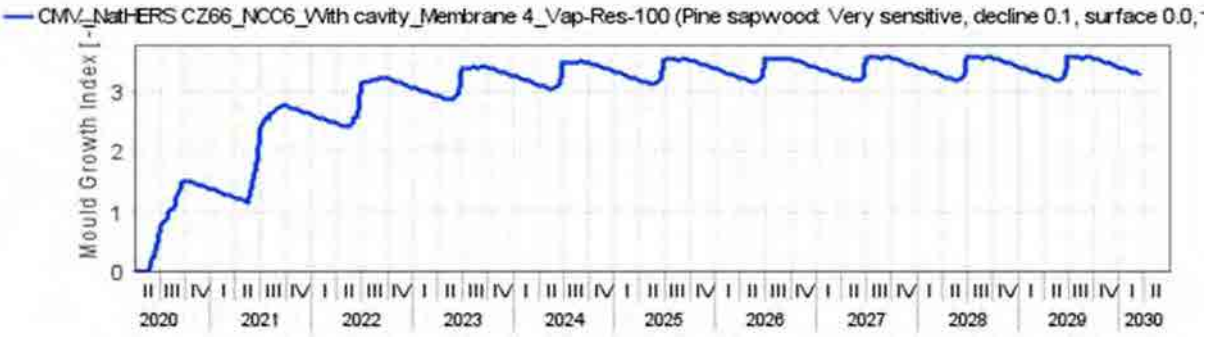

Figure 158: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

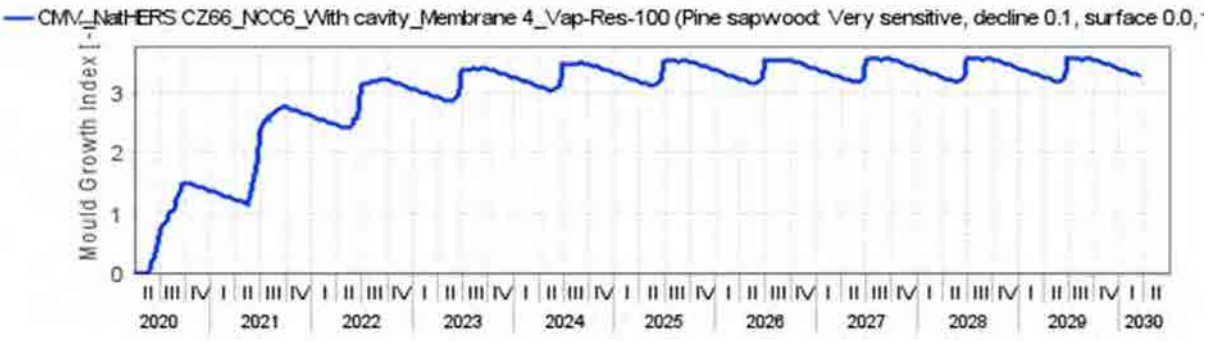

Figure 159: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

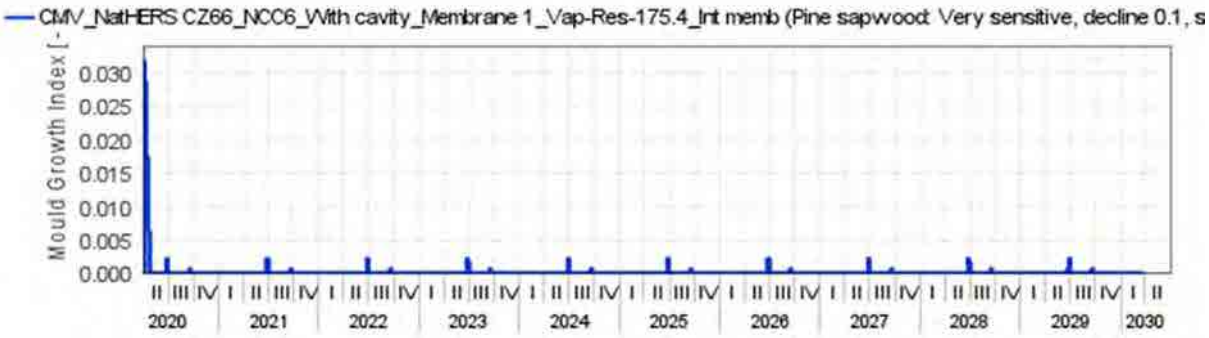

Figure 160: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

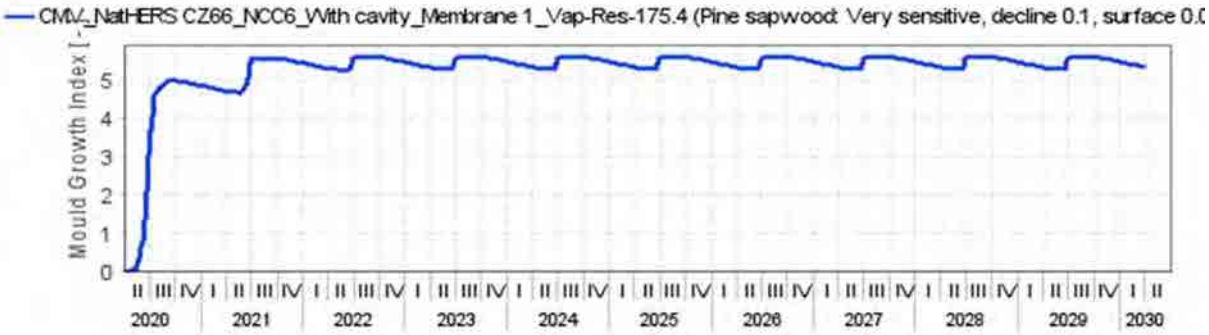

Figure 161: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 162: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

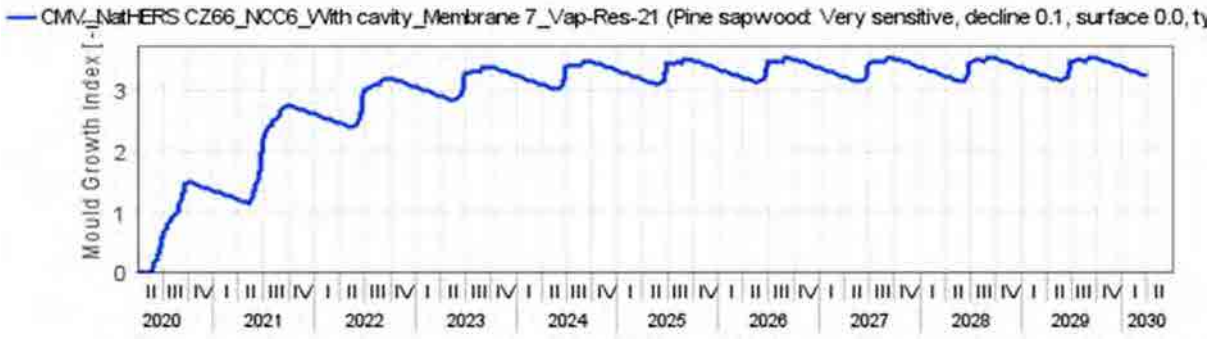

Figure 163: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

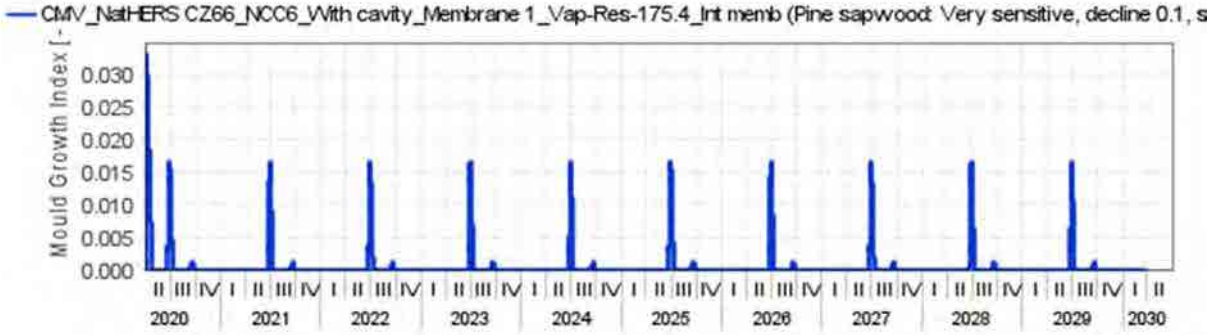

Figure 164: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Clay Masonry Veneer - South Only

1. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

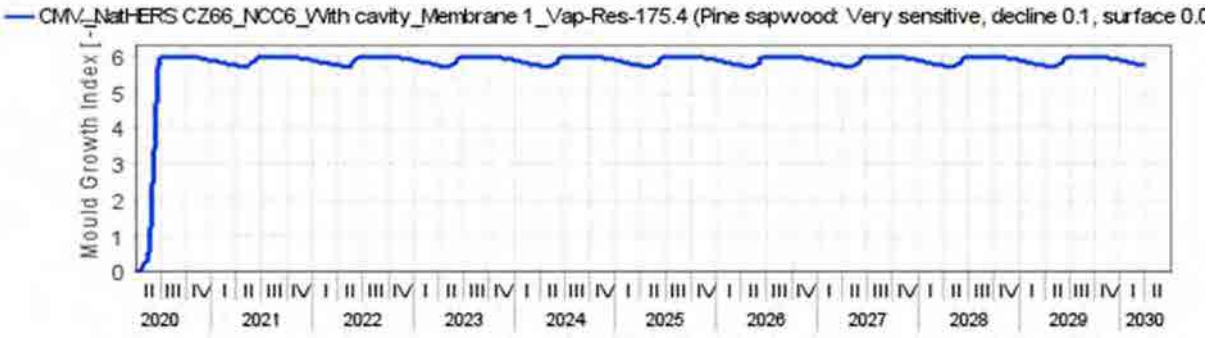

Figure 165: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

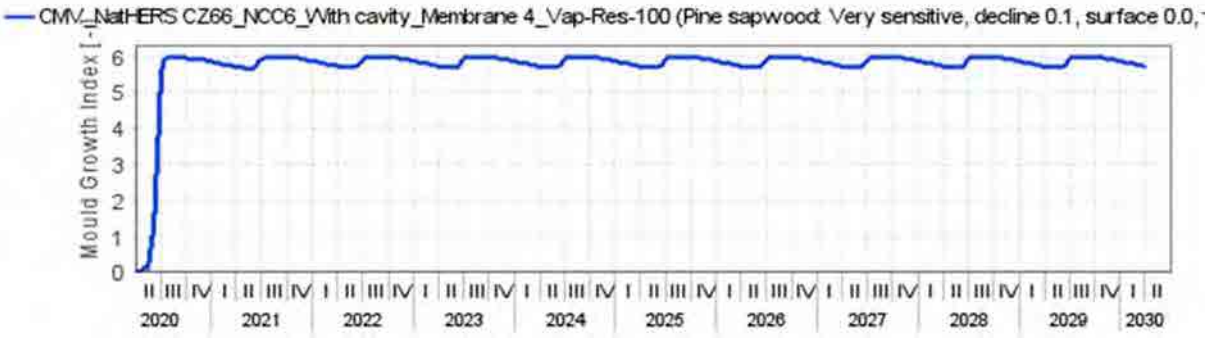

Figure 166: clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

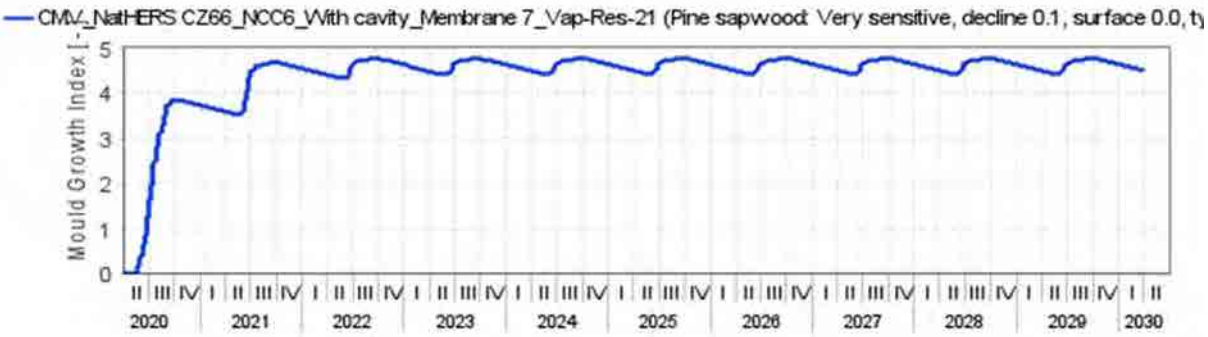

Figure 167: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

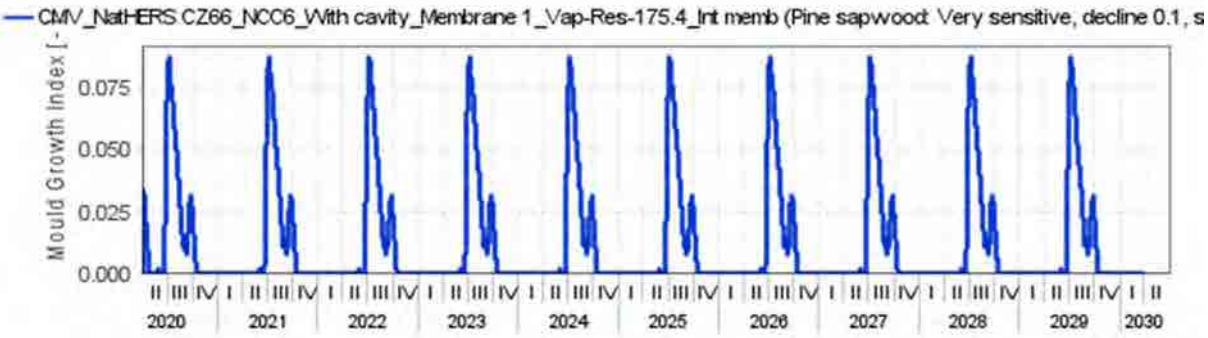

Figure 168: Clay Masonry Veneer NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 4.1: Hygrothermal simulation results – 6 Star concrete block masonry with internal insulation (Wall 4)

Revision 01 (17/12/2023)

NCC CZ 4

NatHERS CZ 27, NCC CZ4: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

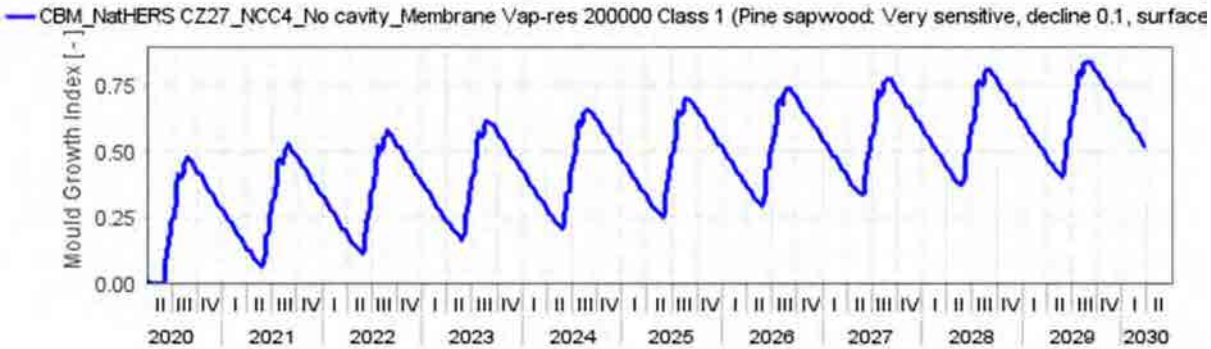

Figure 1: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

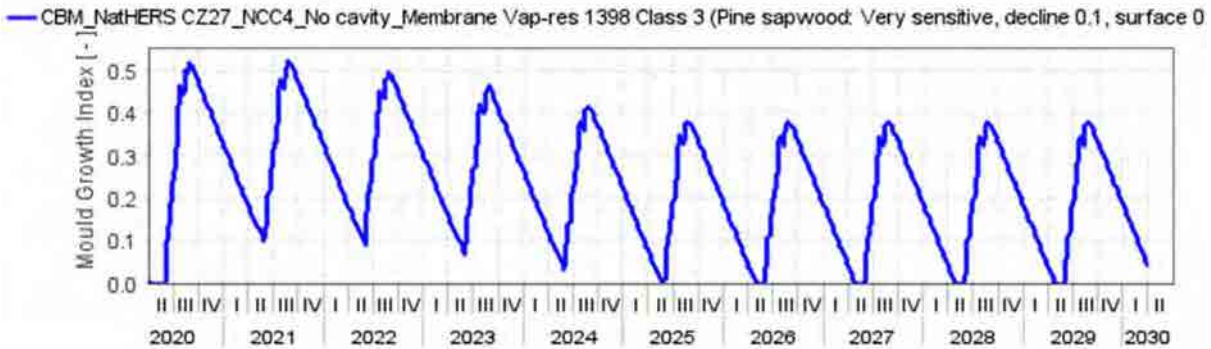

Figure 2: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

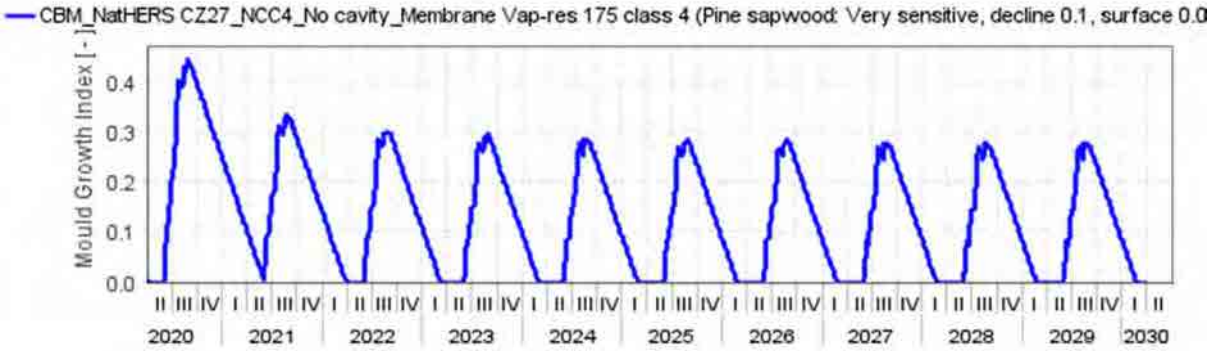

Figure 3: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

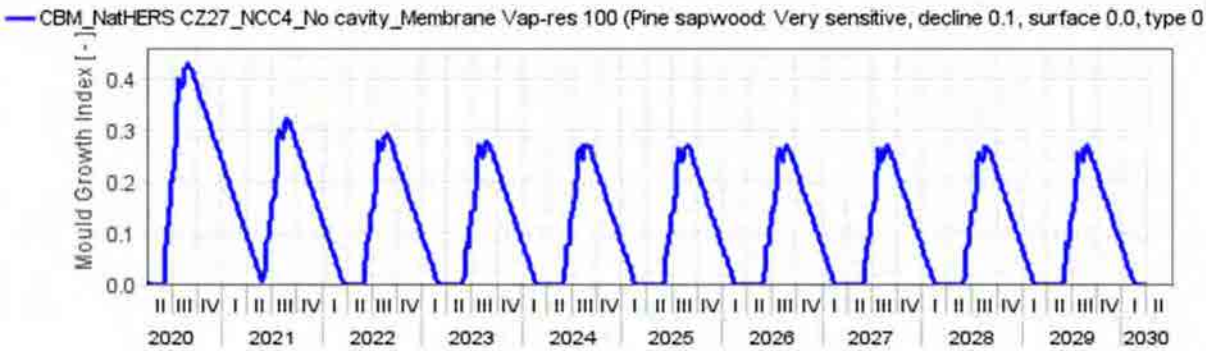

Figure 4 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

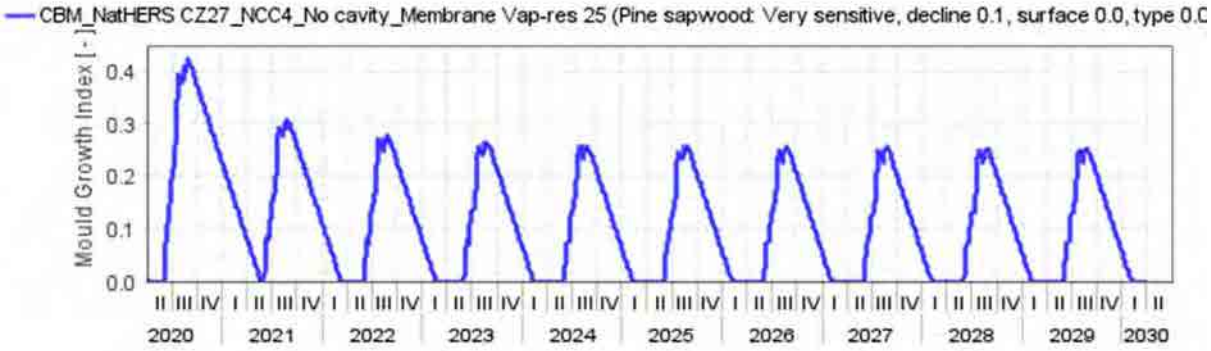

Figure 5: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

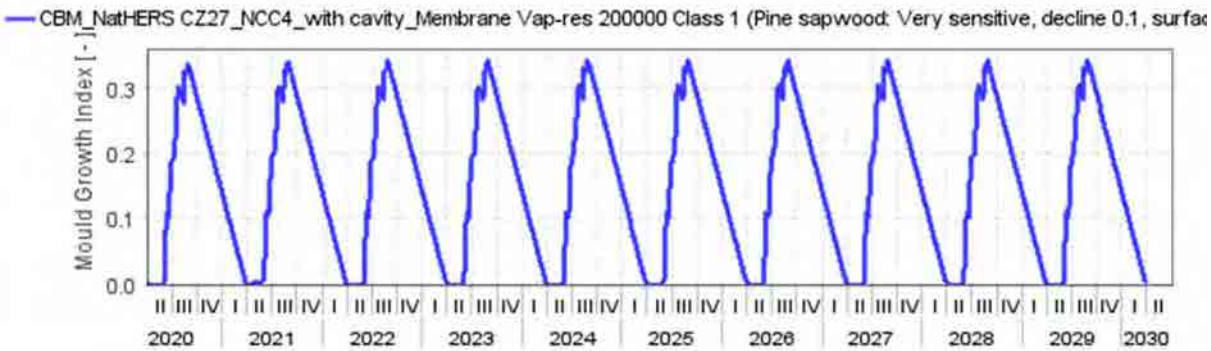

Figure 6: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

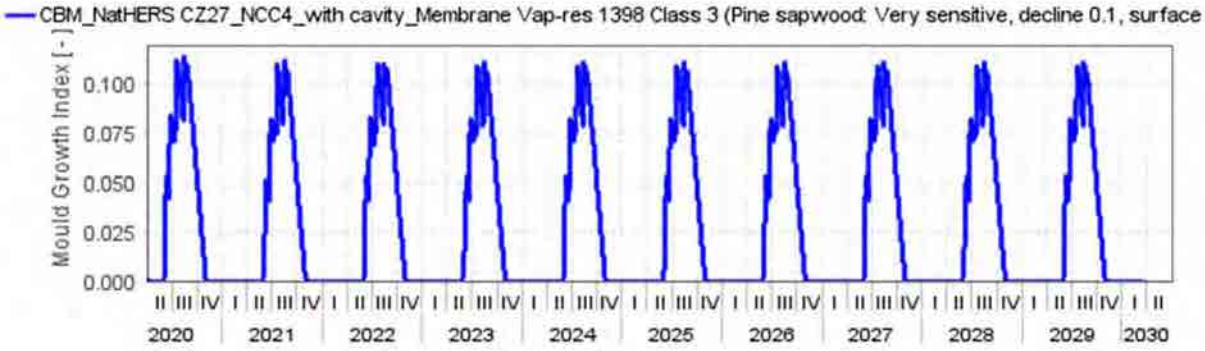

Figure 7: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

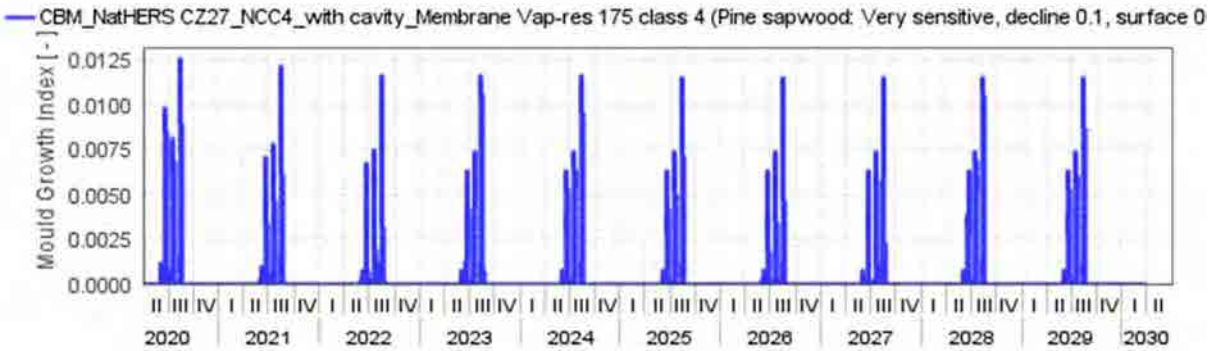

Figure 8: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

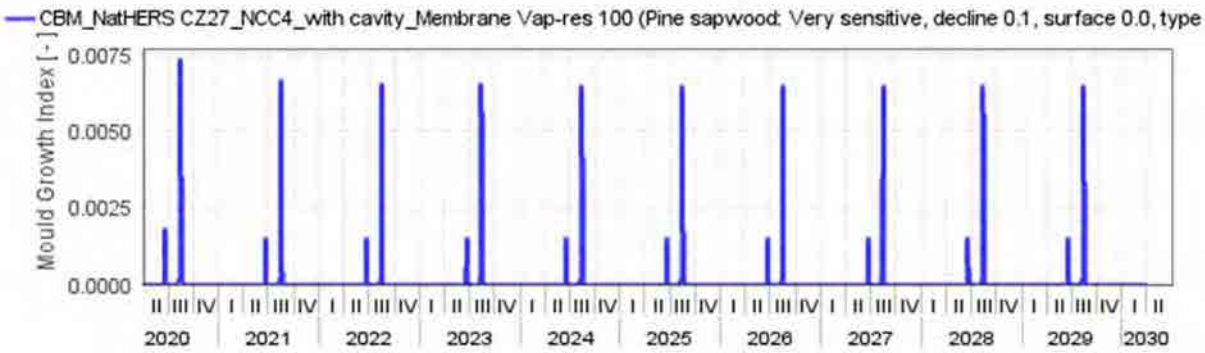

Figure 9 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

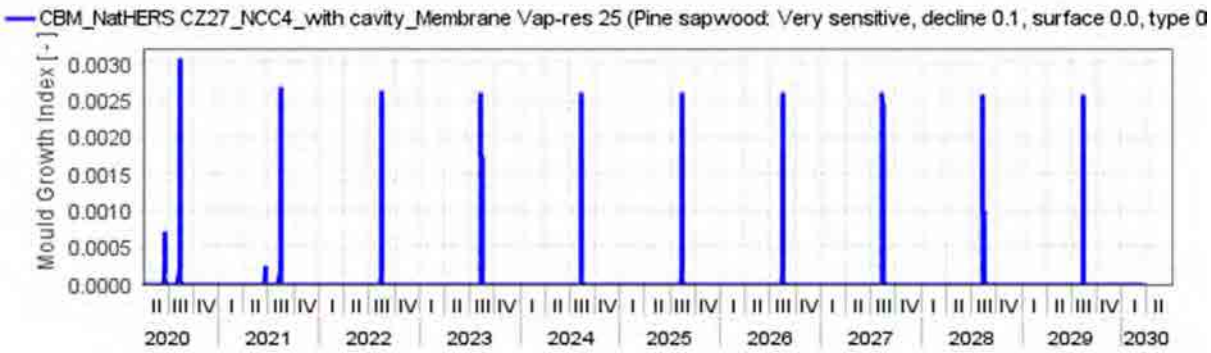

Figure 10 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

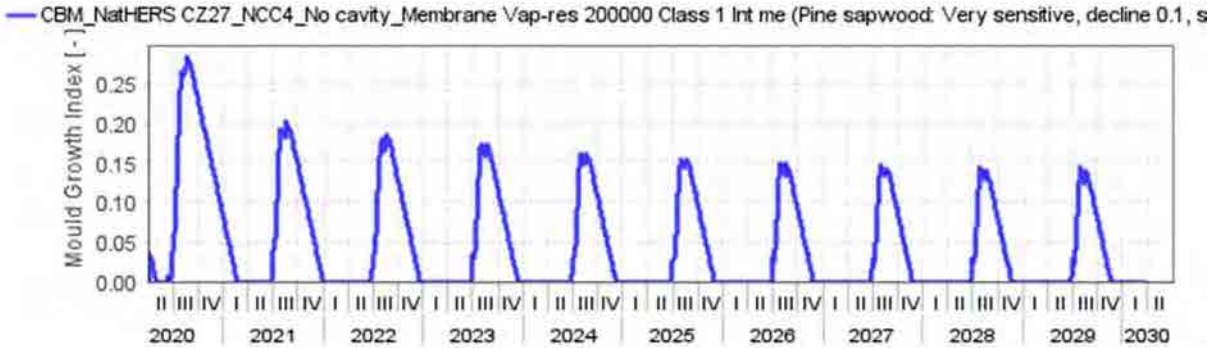

Figure 11: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

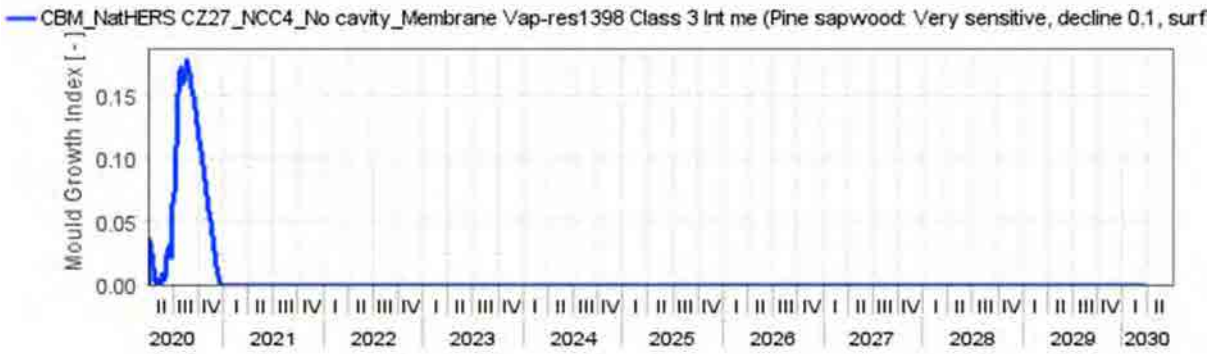

Figure 12 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

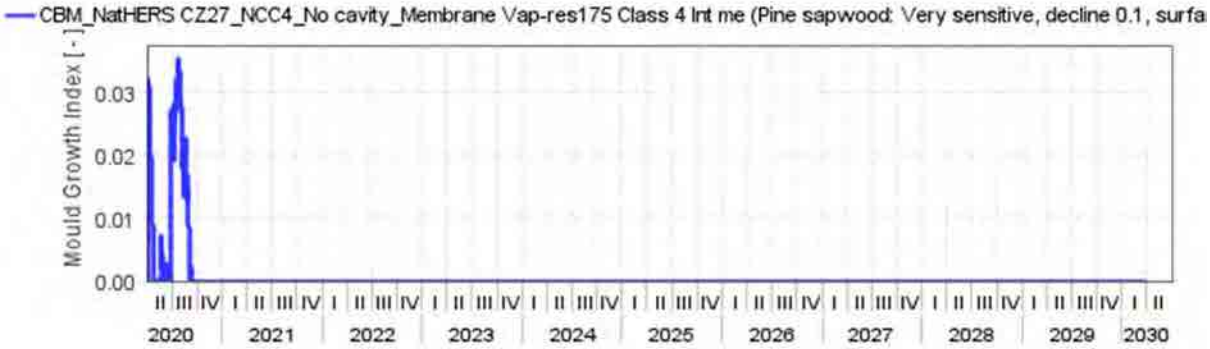

Figure 13 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

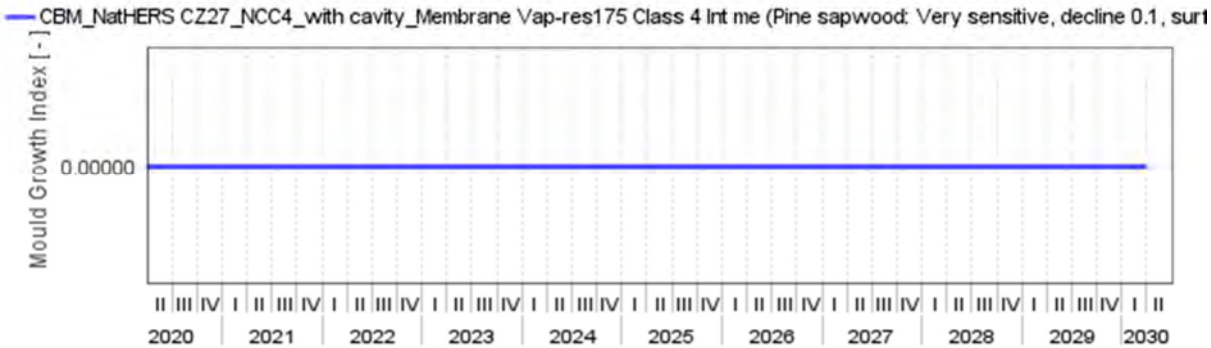

Figure 14 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

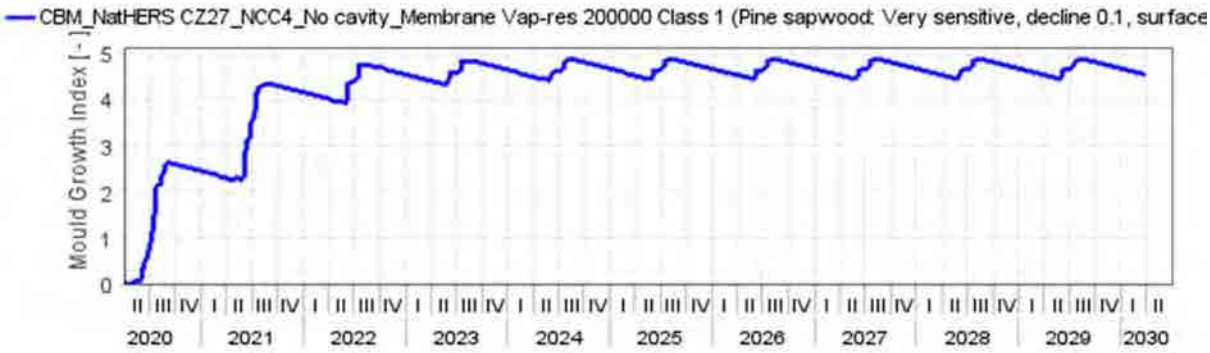

Figure 15: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

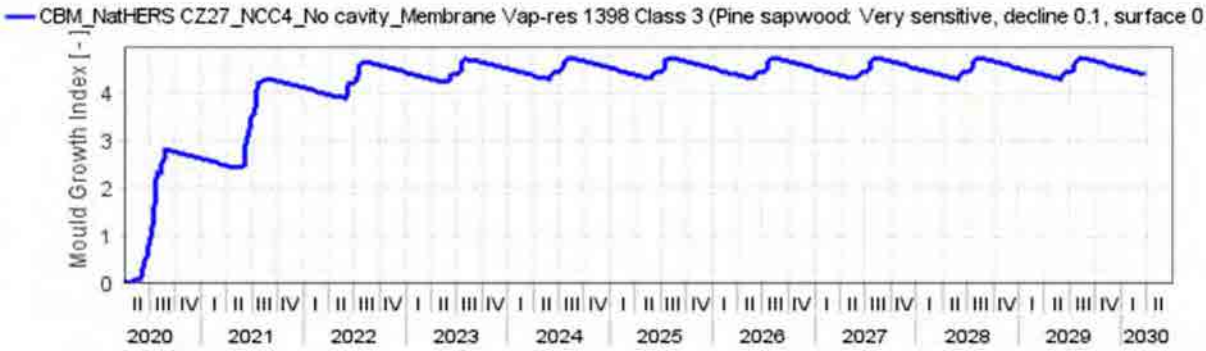

Figure 16: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

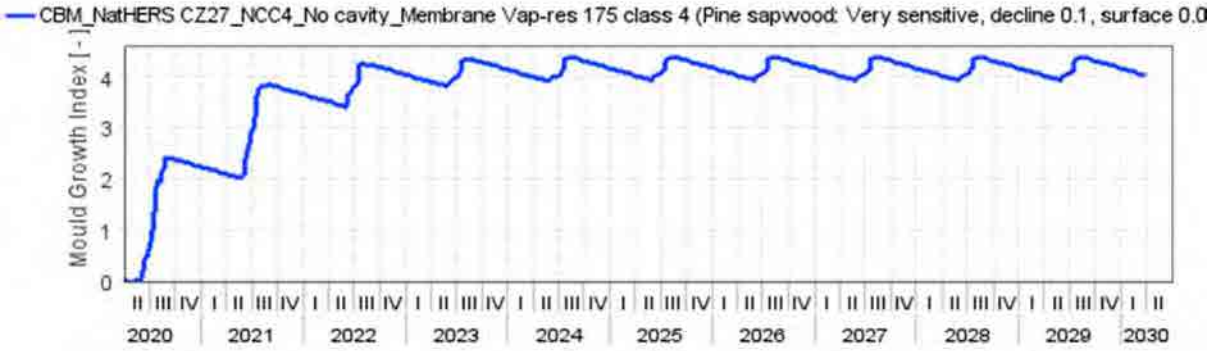

Figure 17: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

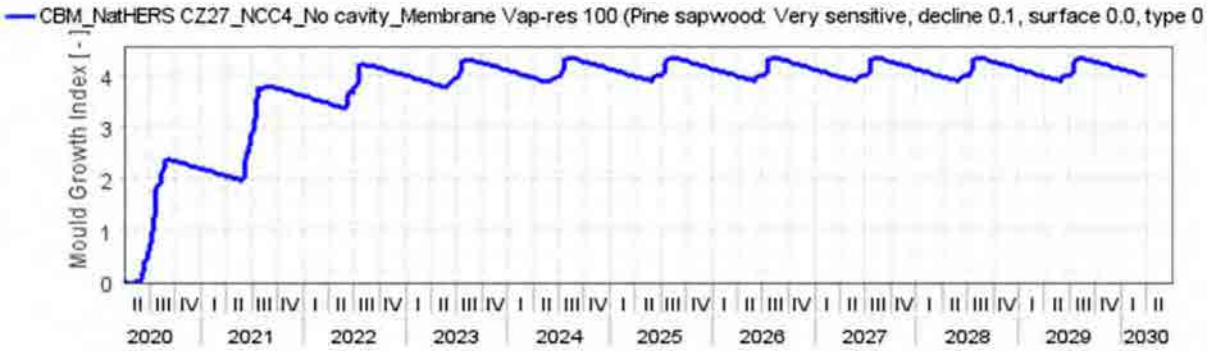

Figure 18 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

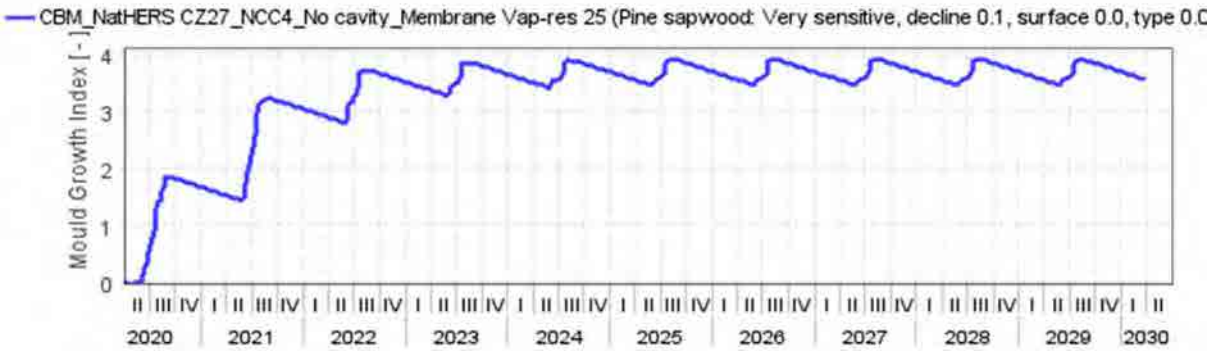

Figure 19: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

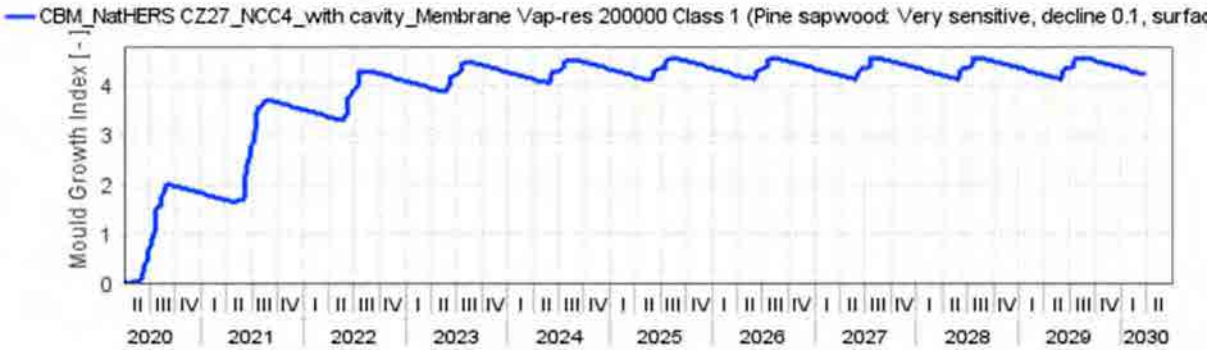

Figure 20: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

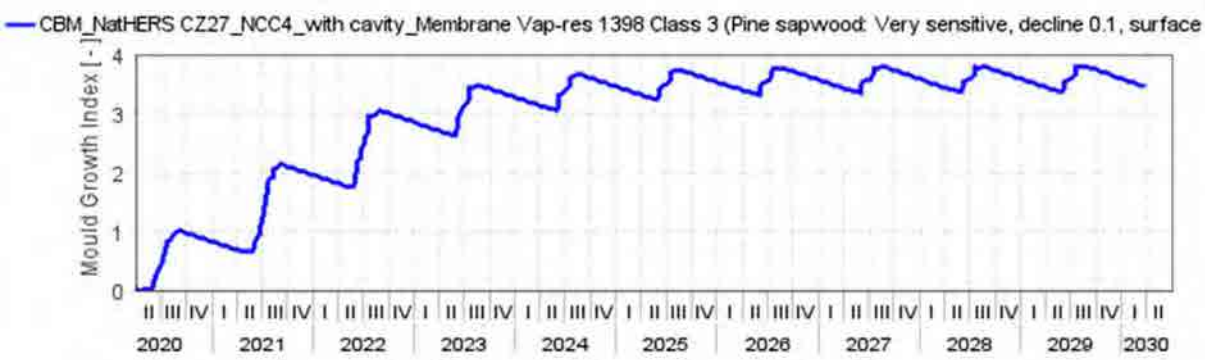

Figure 21: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

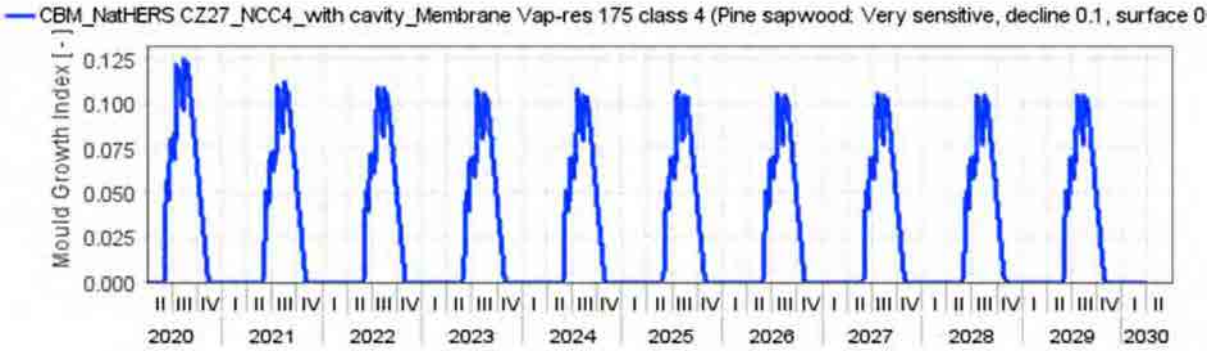

Figure 22: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

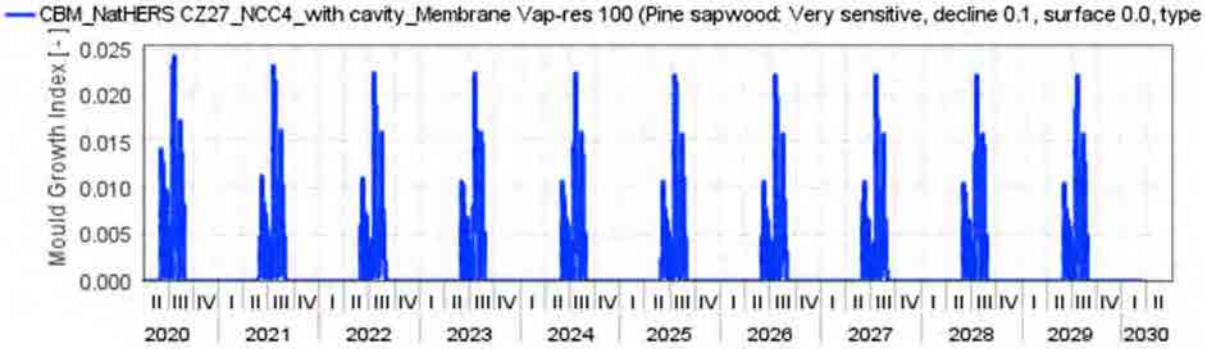

Figure 23 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

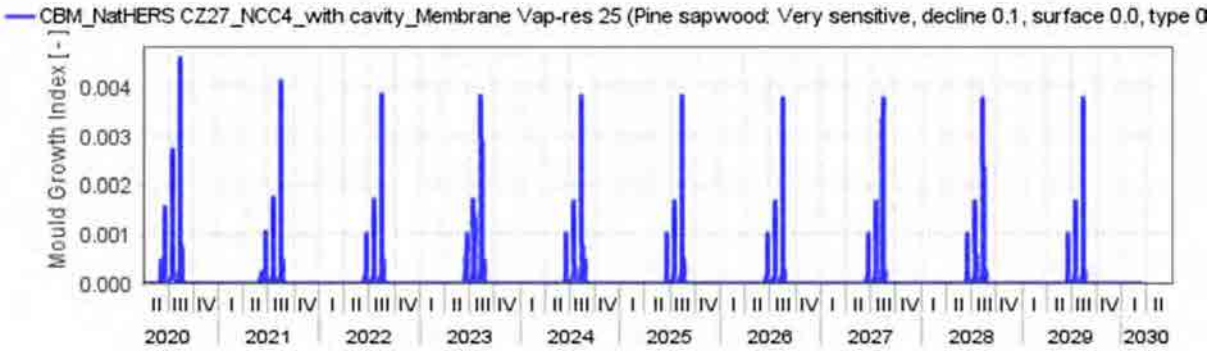

Figure 24 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

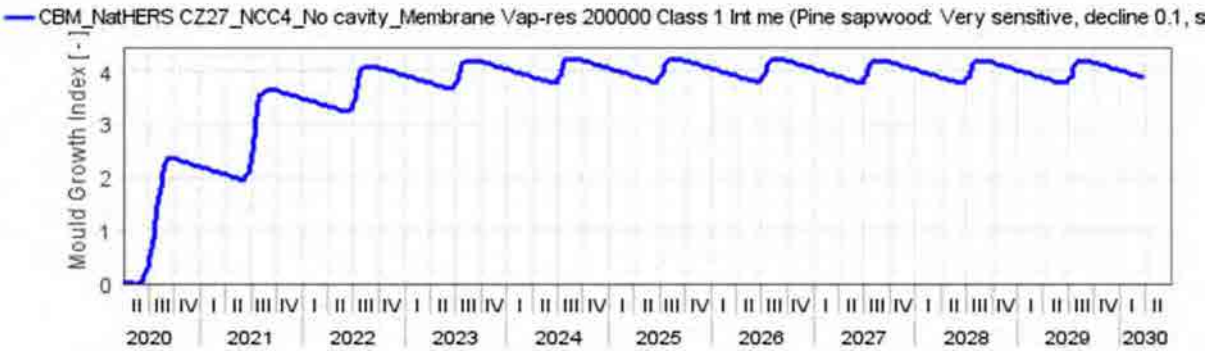

Figure 25: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

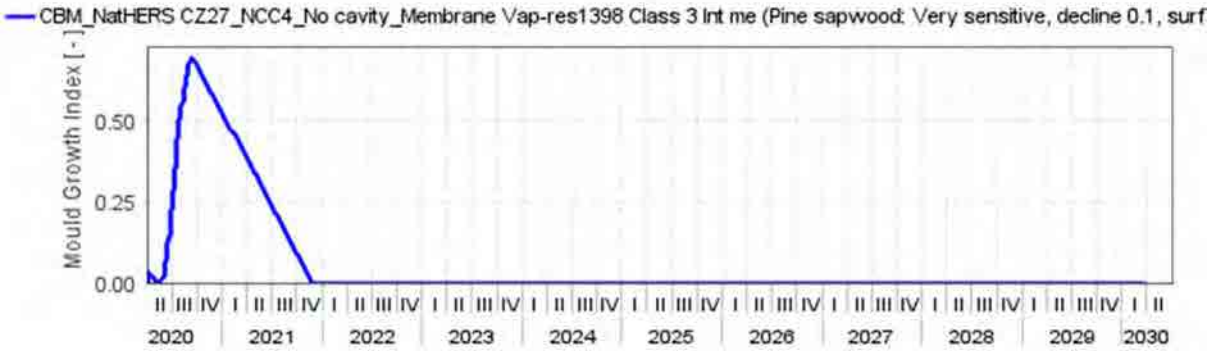

Figure 26 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

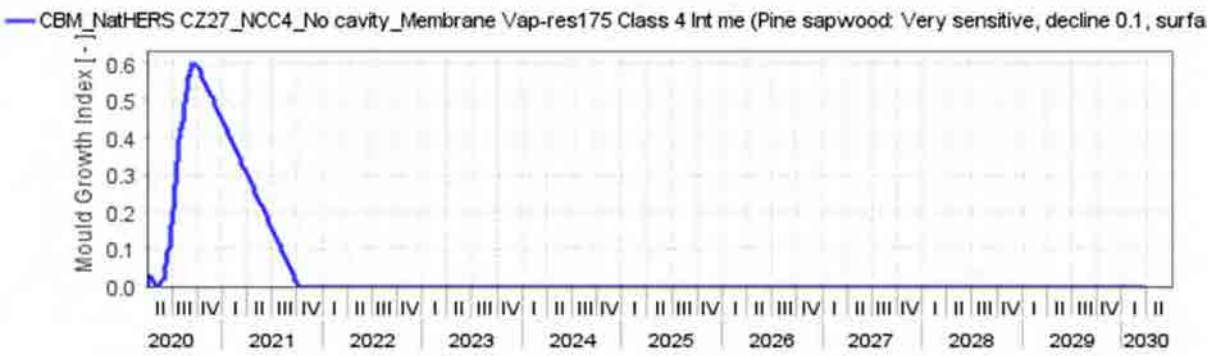

Figure 27 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

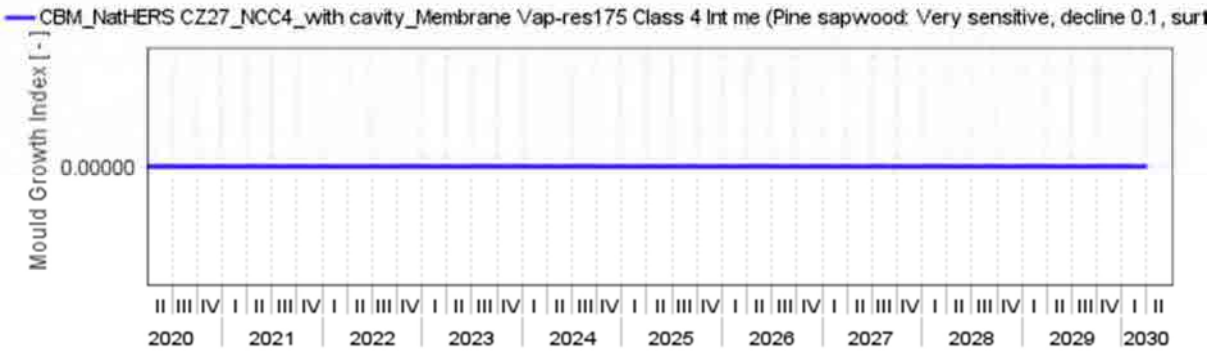

Figure 28 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

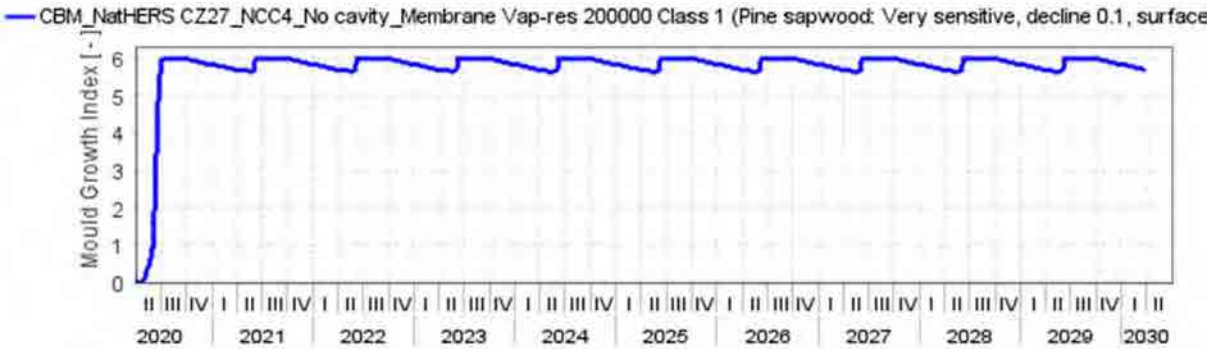

Figure 29: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

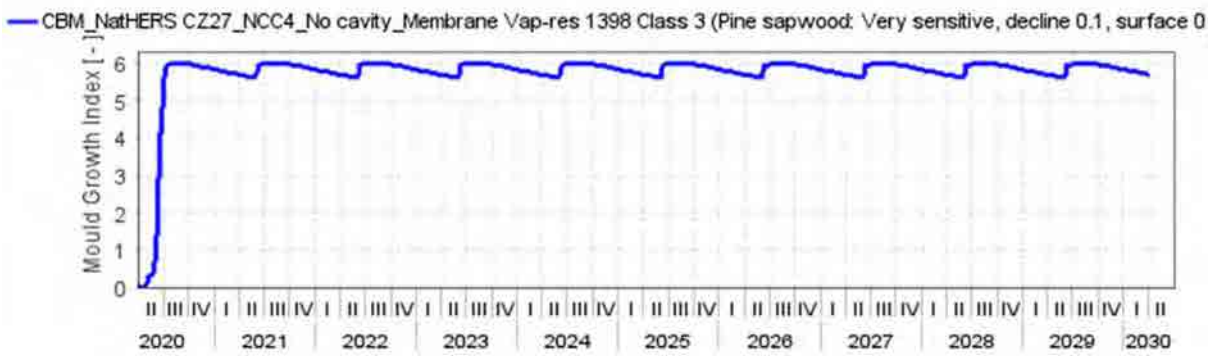

Figure 30: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

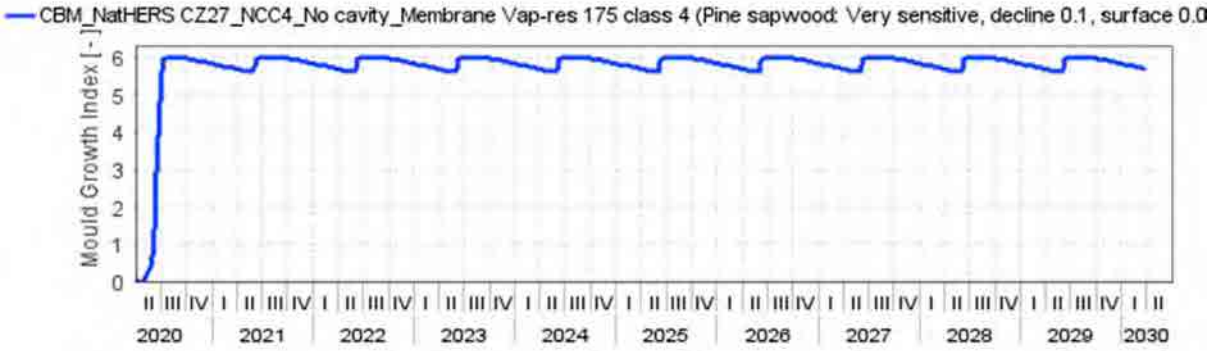

Figure 31: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

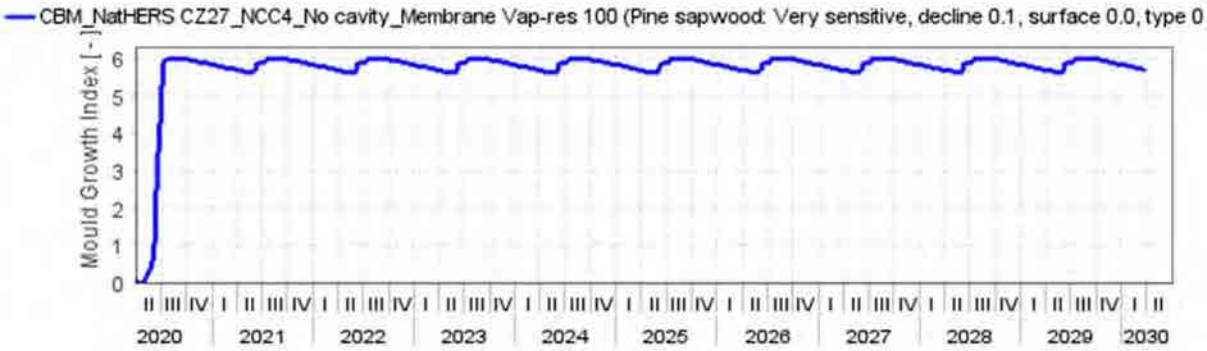

Figure 32 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

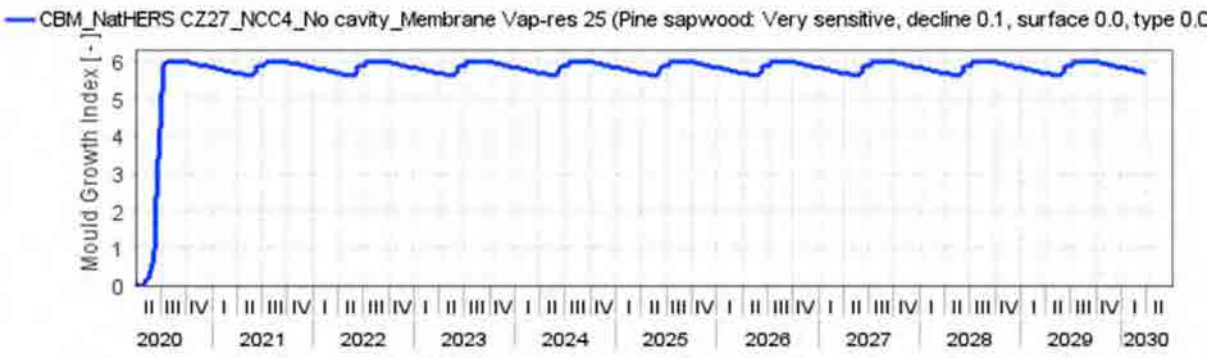

Figure 33: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

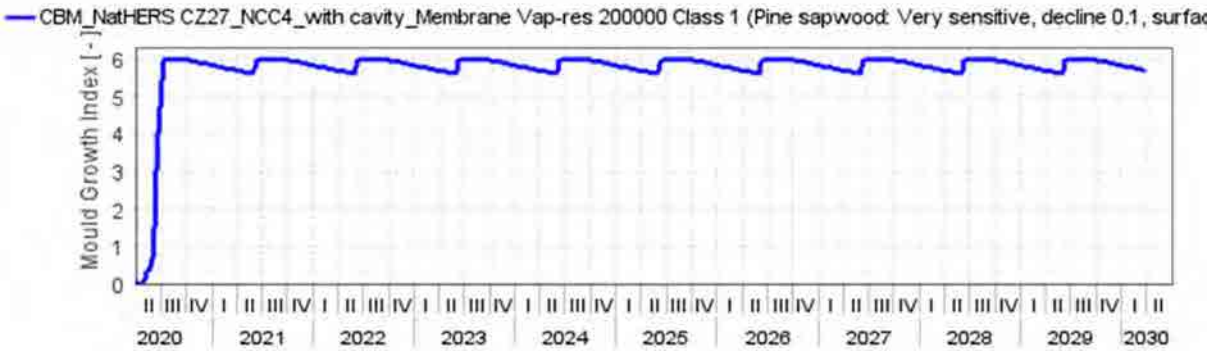

Figure 34: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

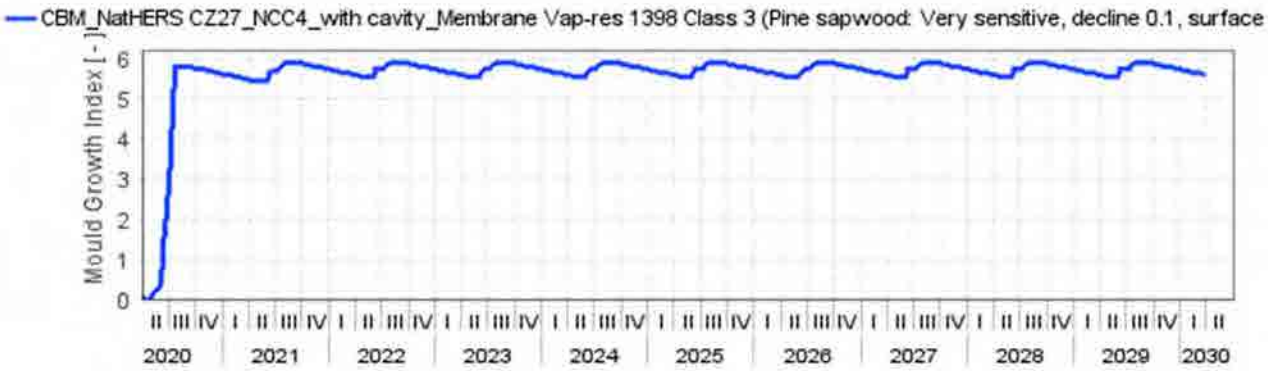

Figure 35: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

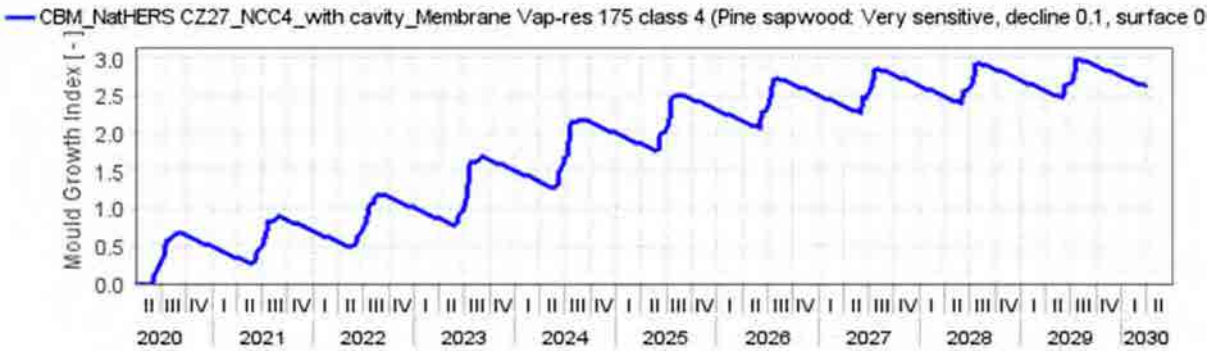

Figure 36: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

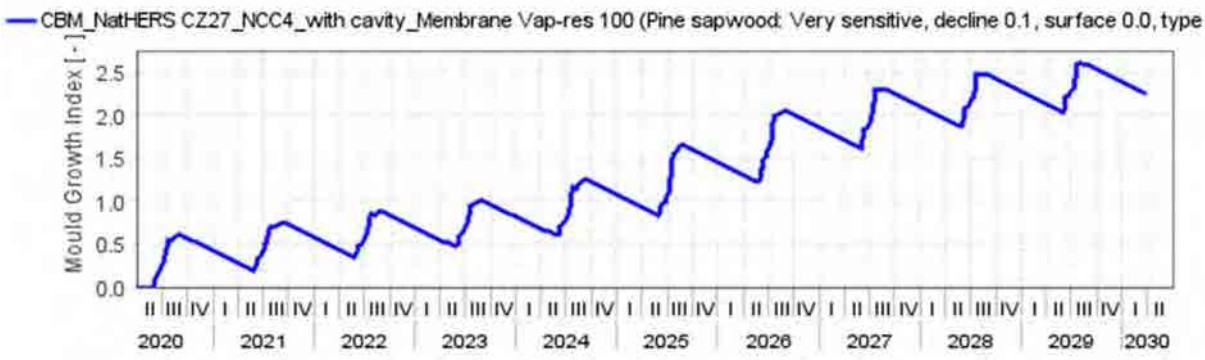

Figure 37 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

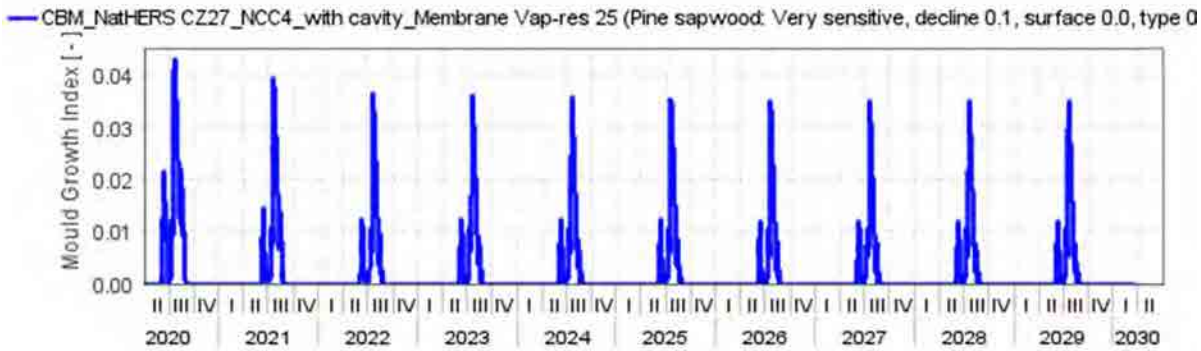

Figure 38 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

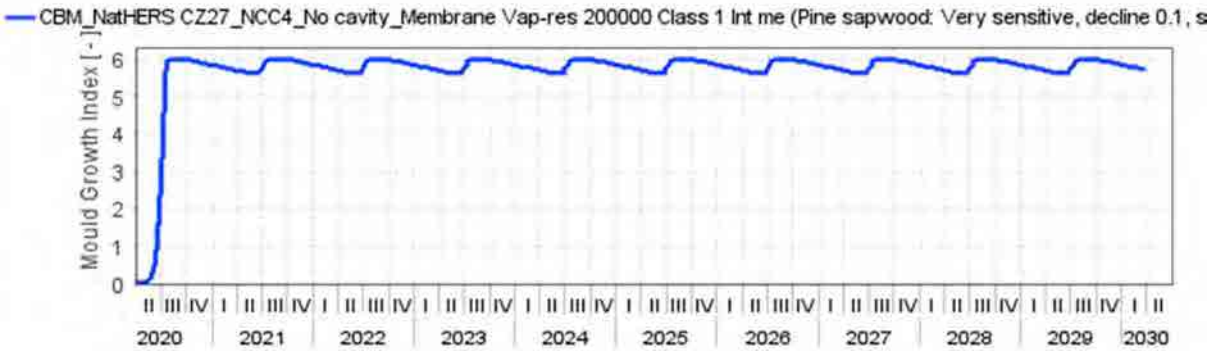

Figure 39: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

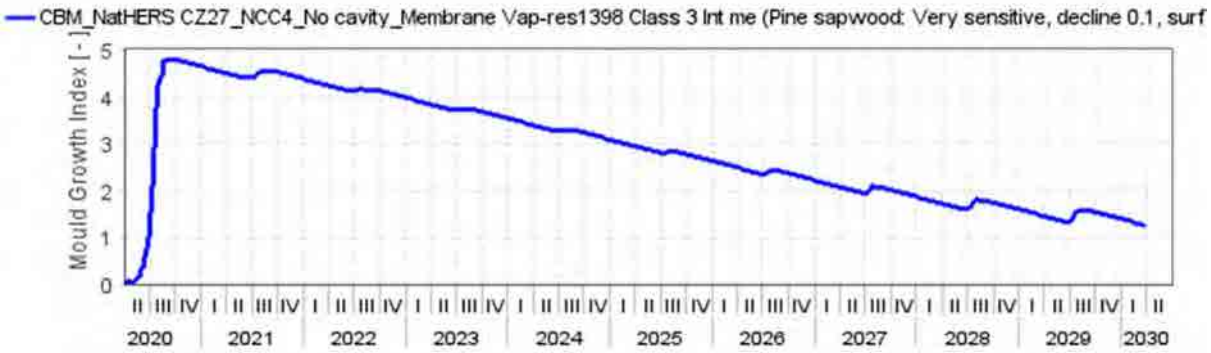

Figure 40 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

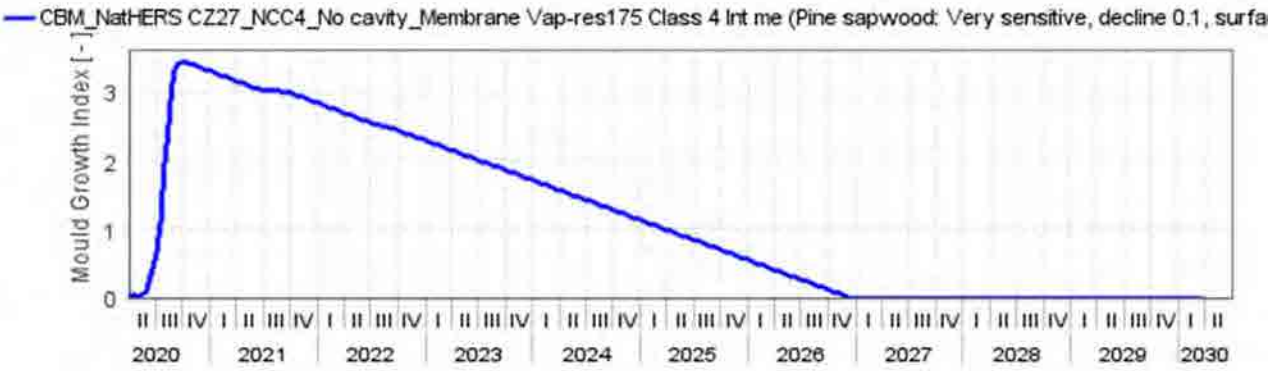

Figure 41 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

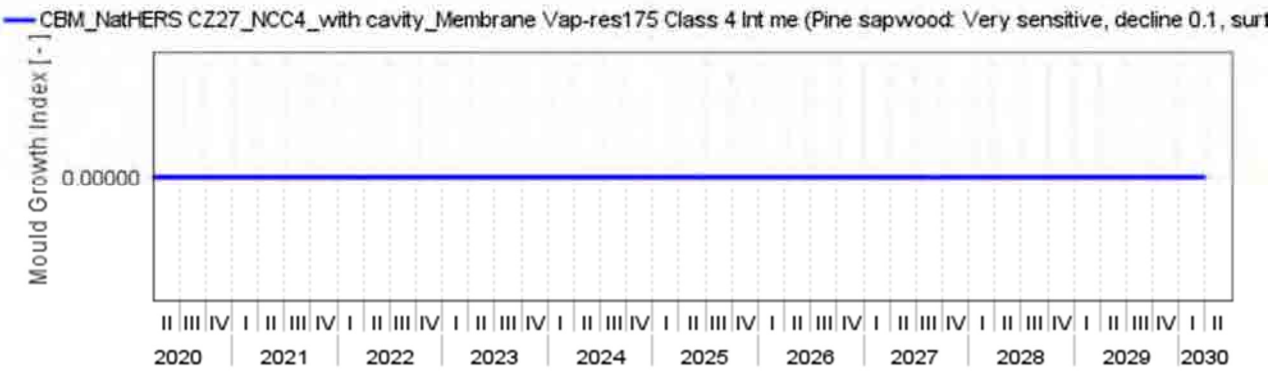

Figure 42 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

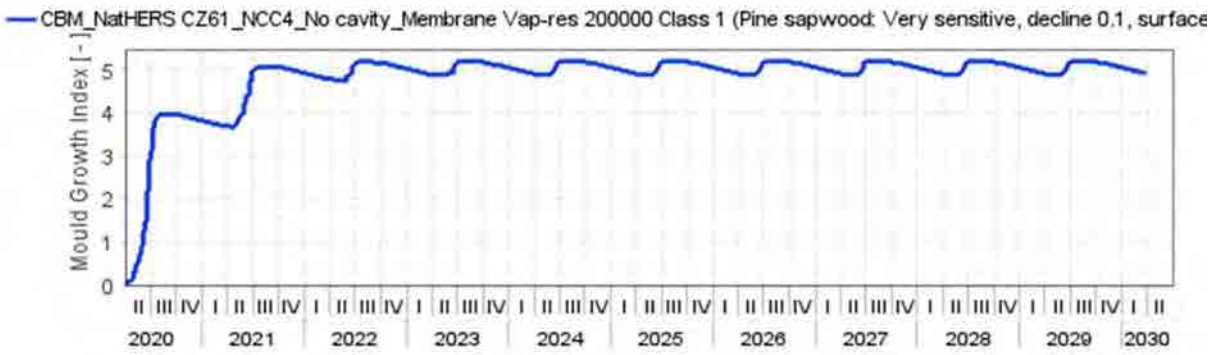

Figure 43: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 44: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

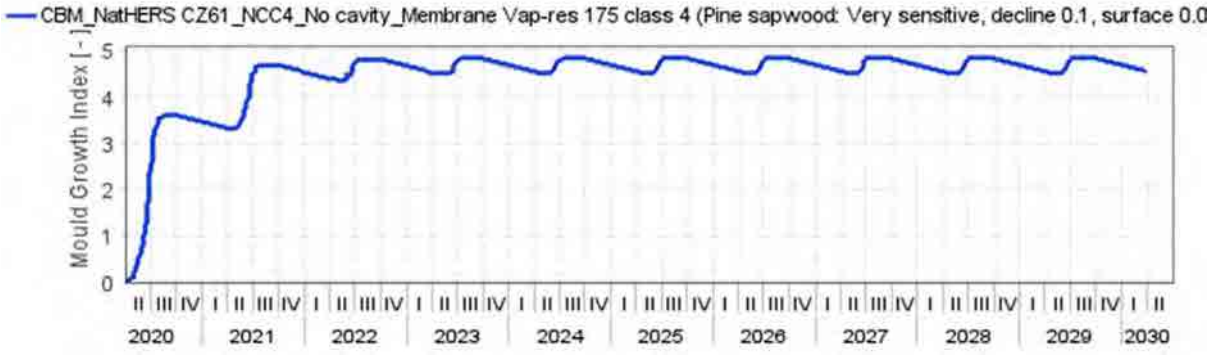

Figure 45: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

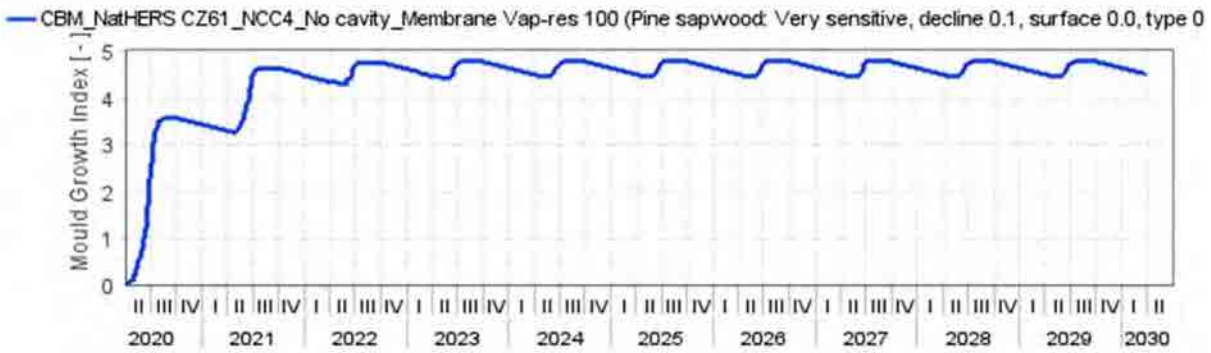

Figure 46 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

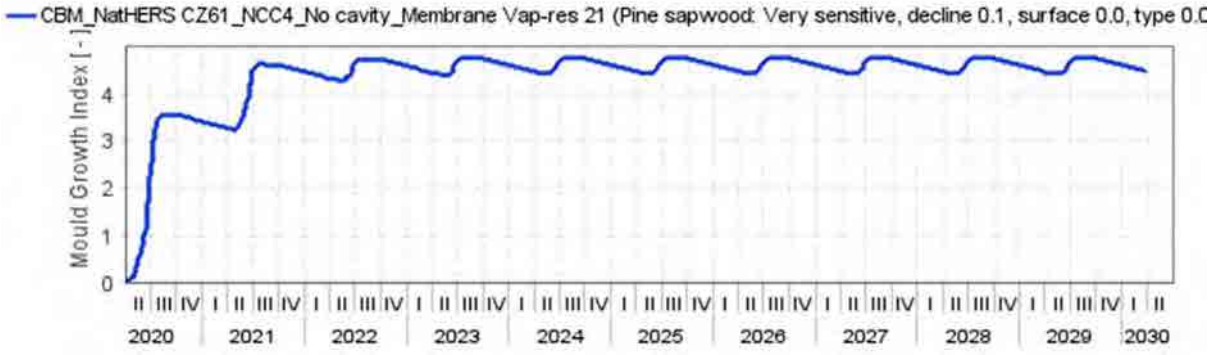

Figure 47: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

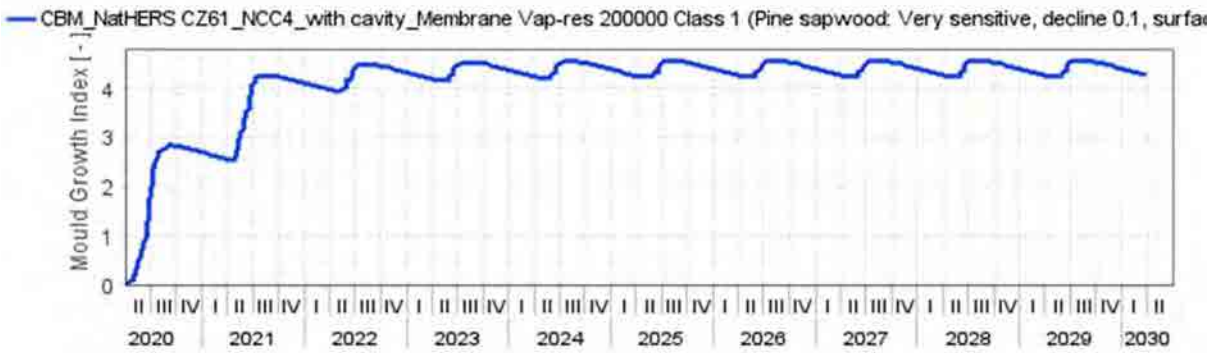

Figure 48: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

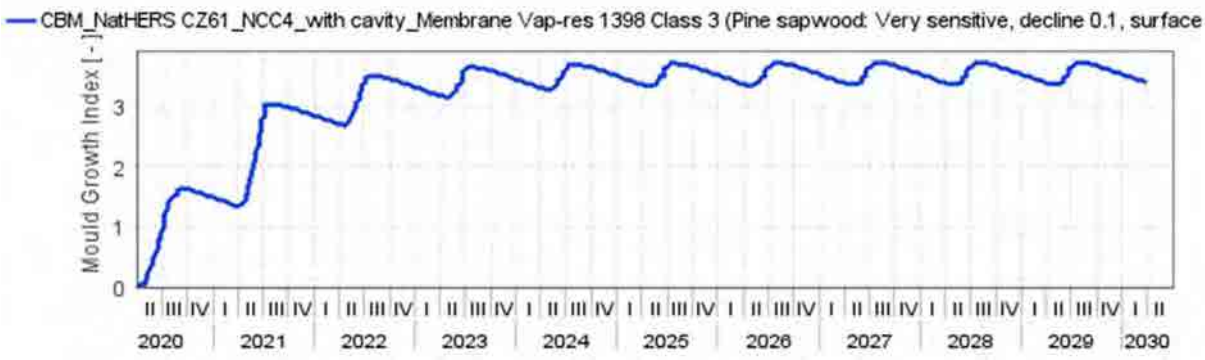

Figure 49: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

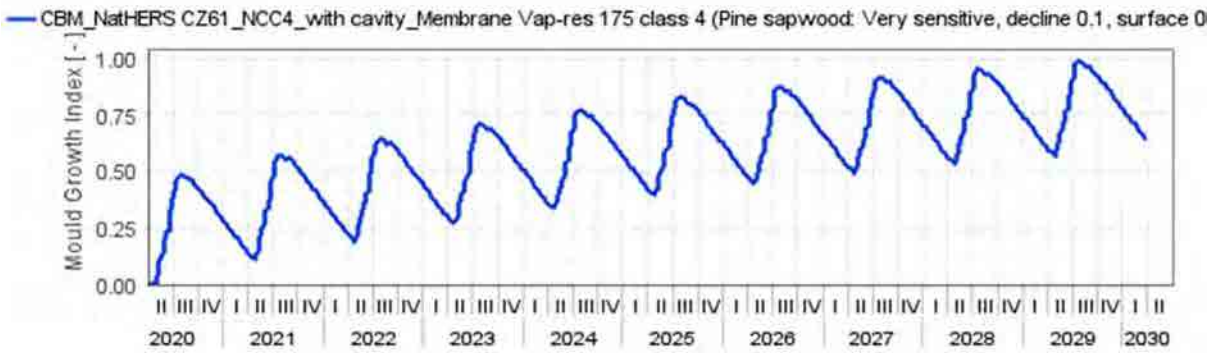

Figure 50: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

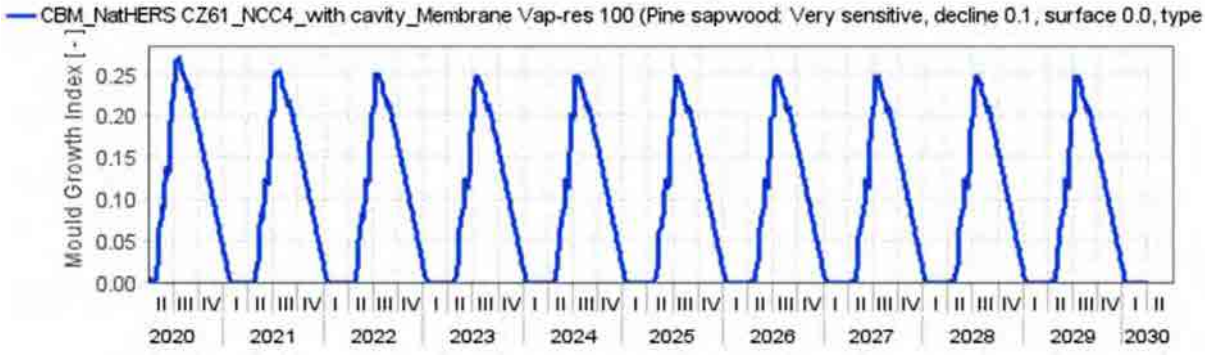

Figure 51 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

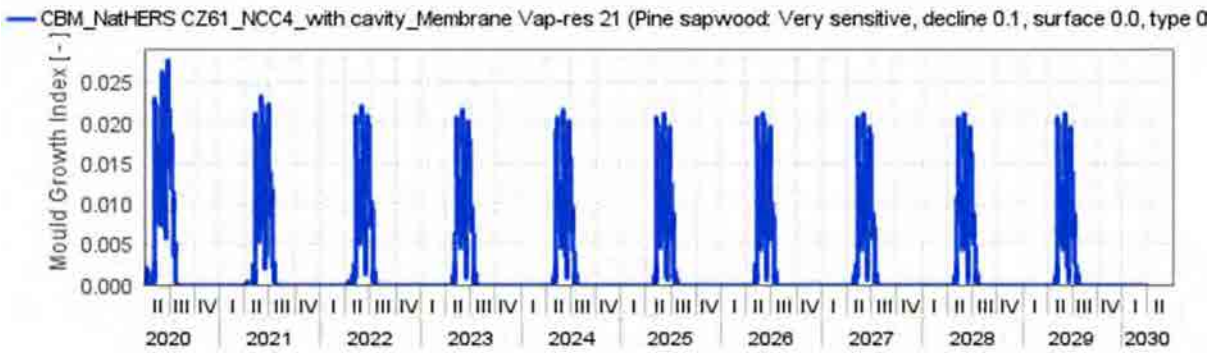

Figure 52 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

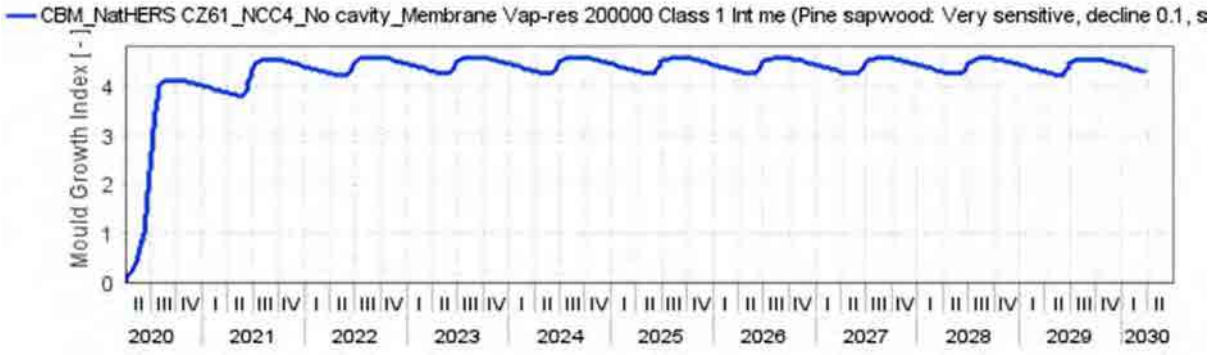

Figure 53: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

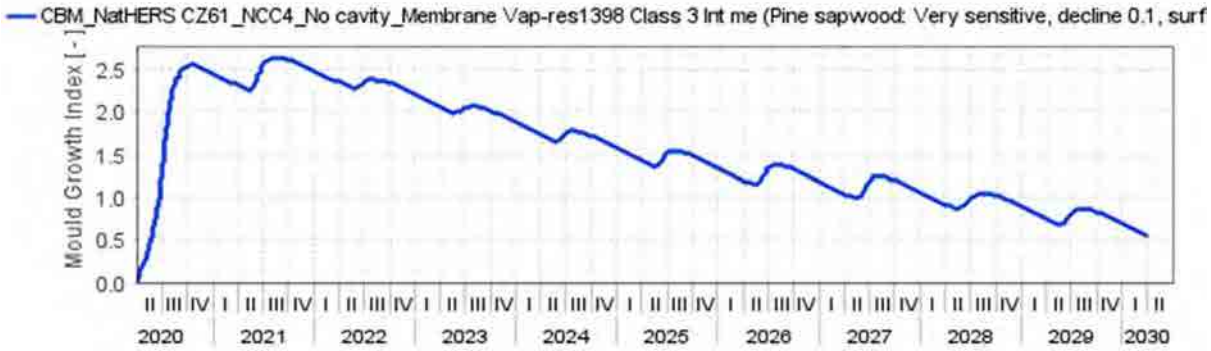

Figure 54 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

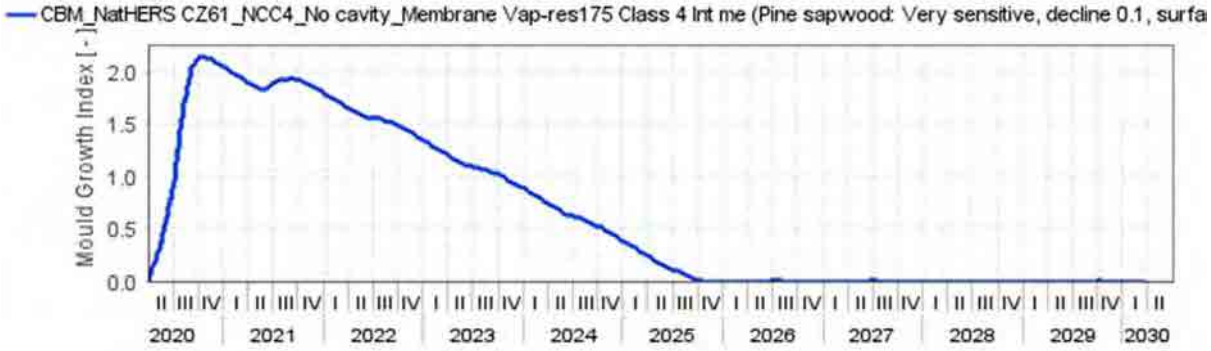

Figure 55 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

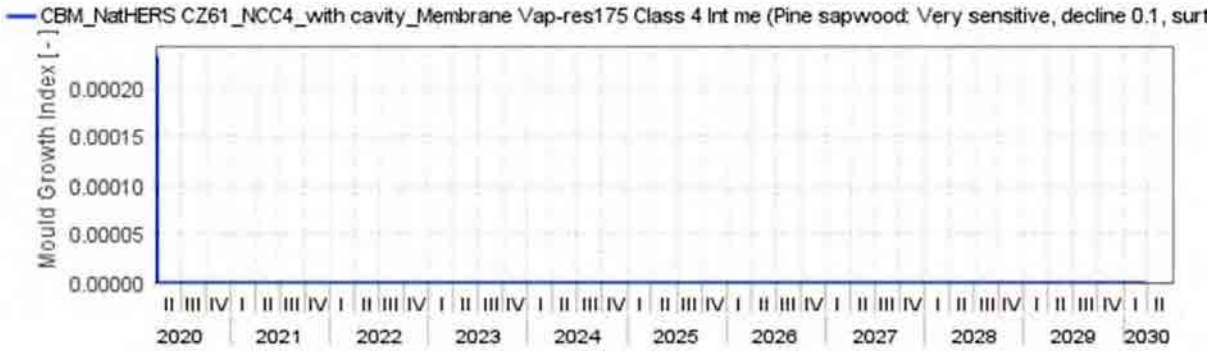

Figure 56 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

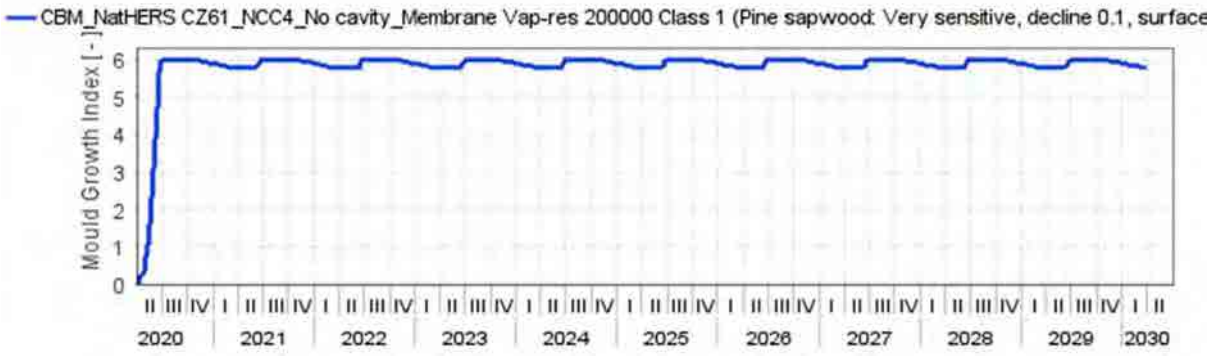

Figure 57: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

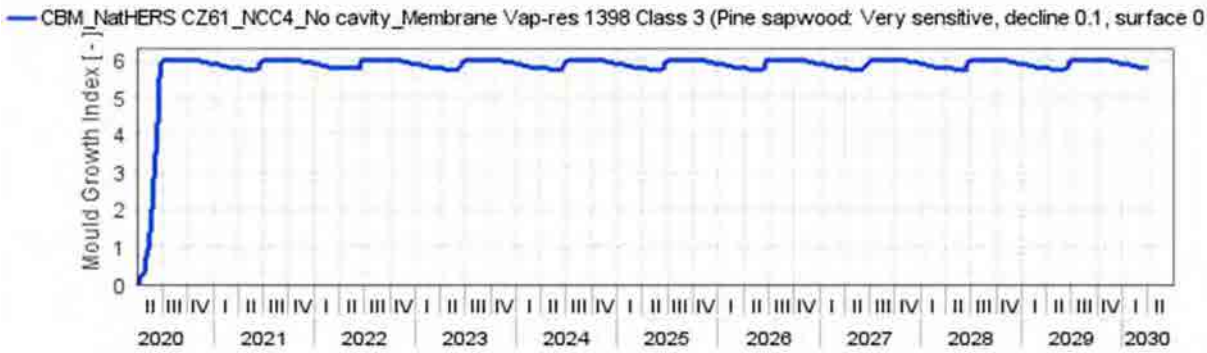

Figure 58: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

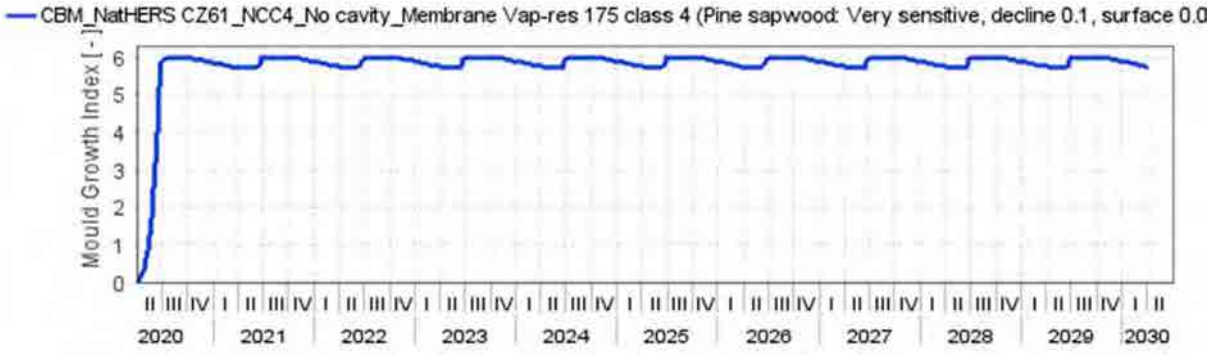

Figure 59: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

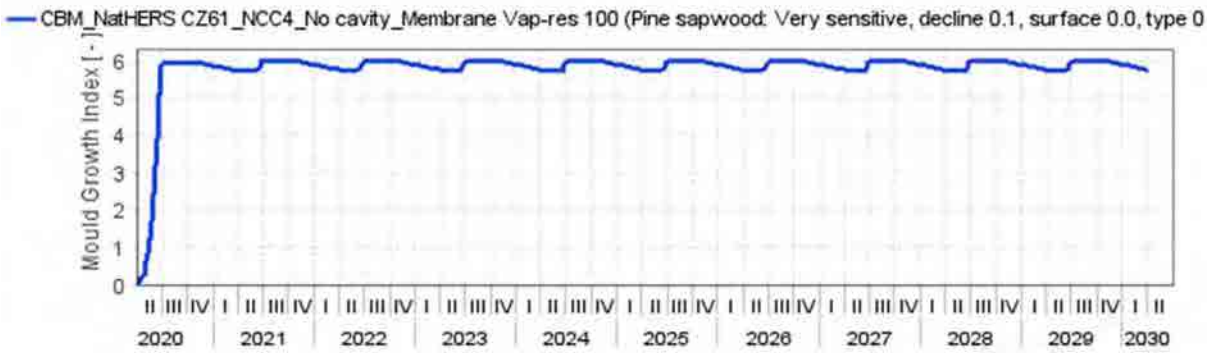

Figure 60 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

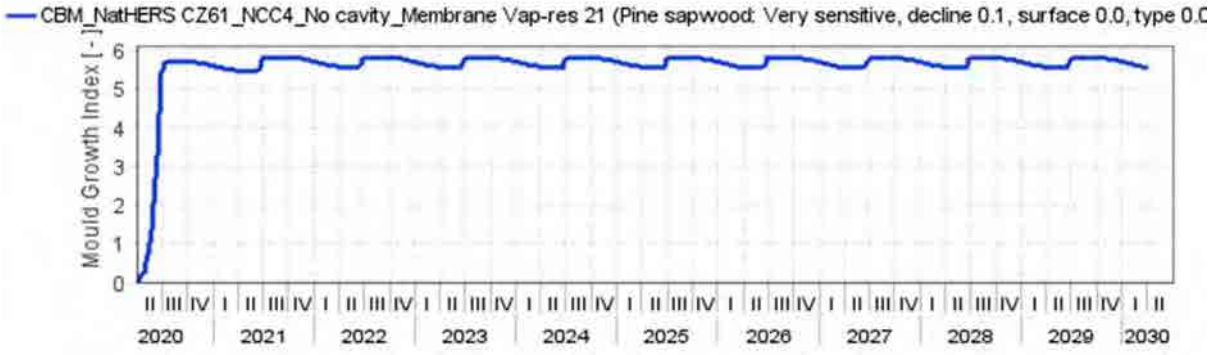

Figure 61: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

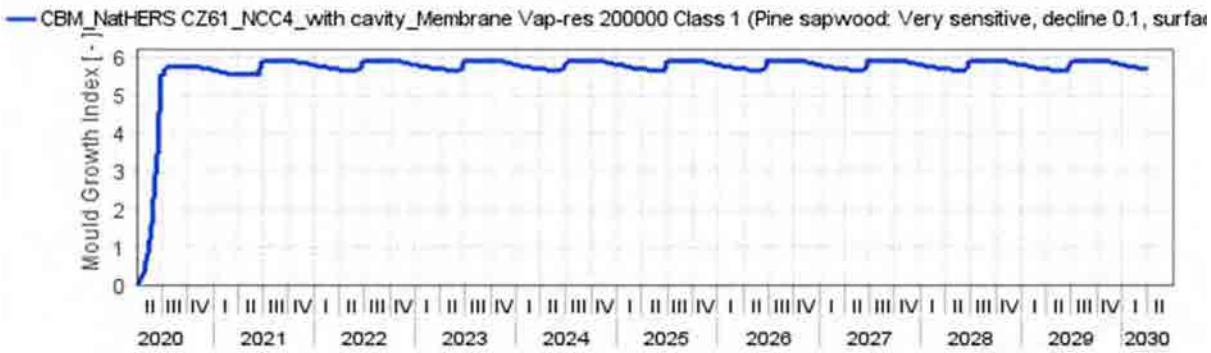

Figure 62: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

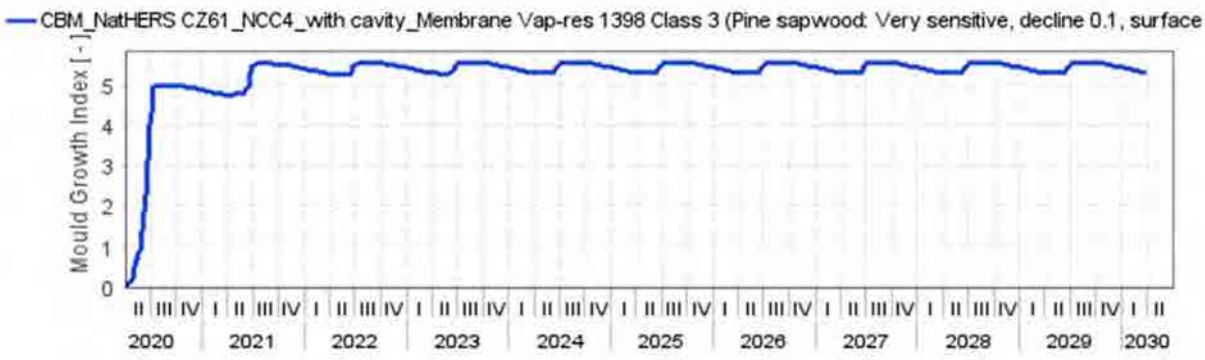

Figure 63: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

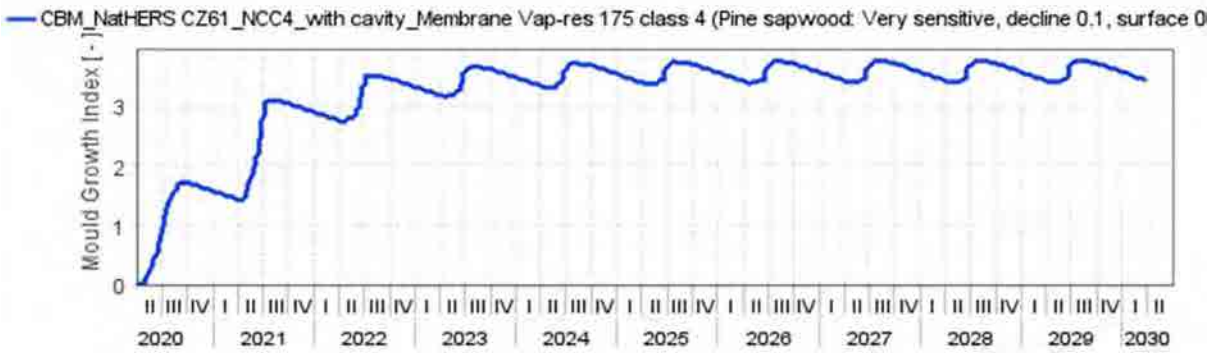

Figure 64: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

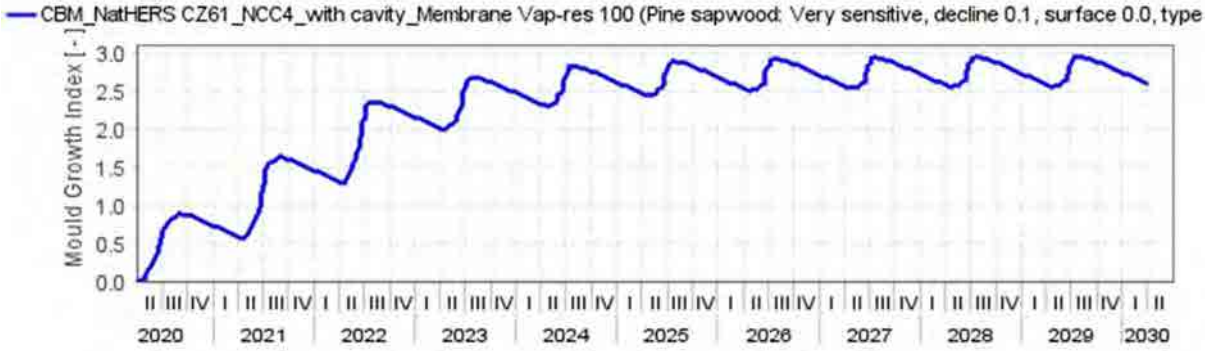

Figure 65 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

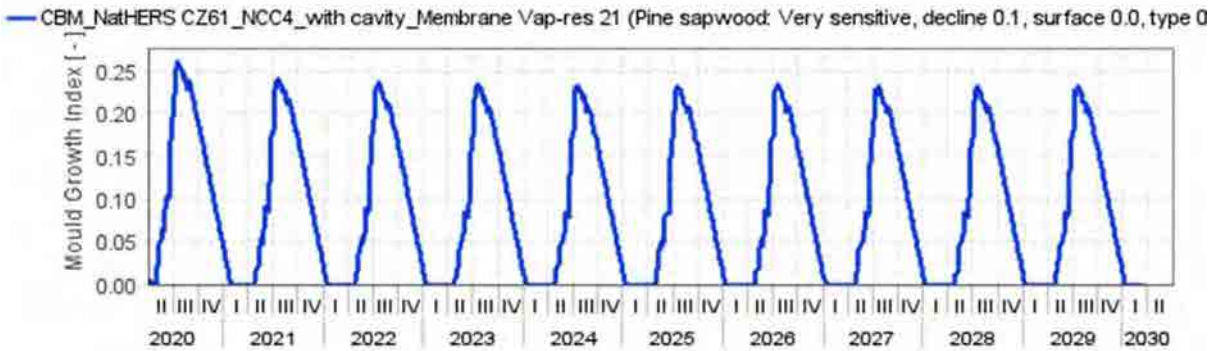

Figure 66 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

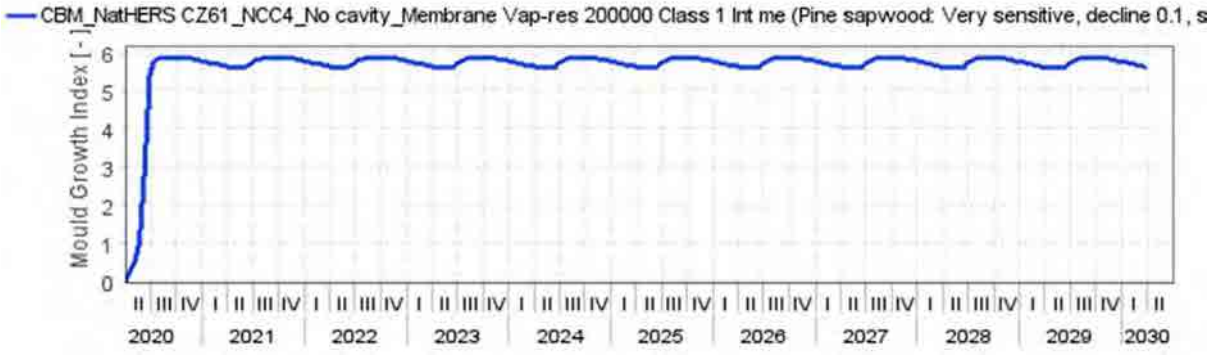

Figure 67: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

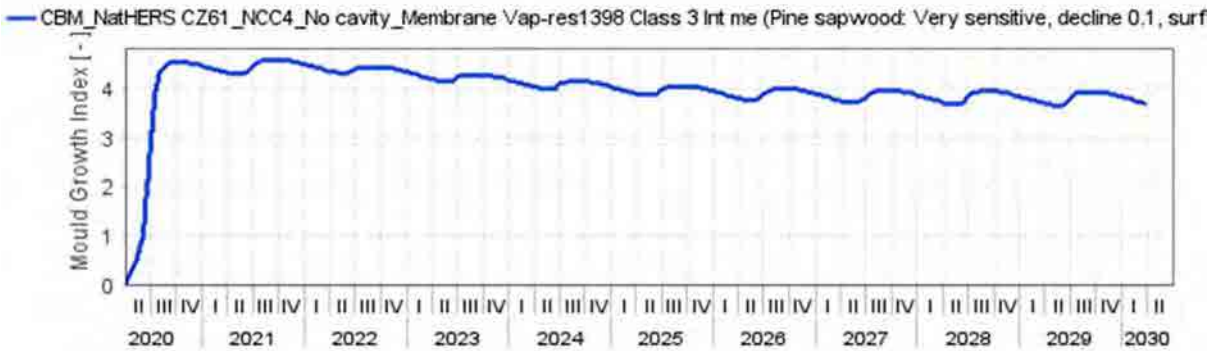

Figure 68 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

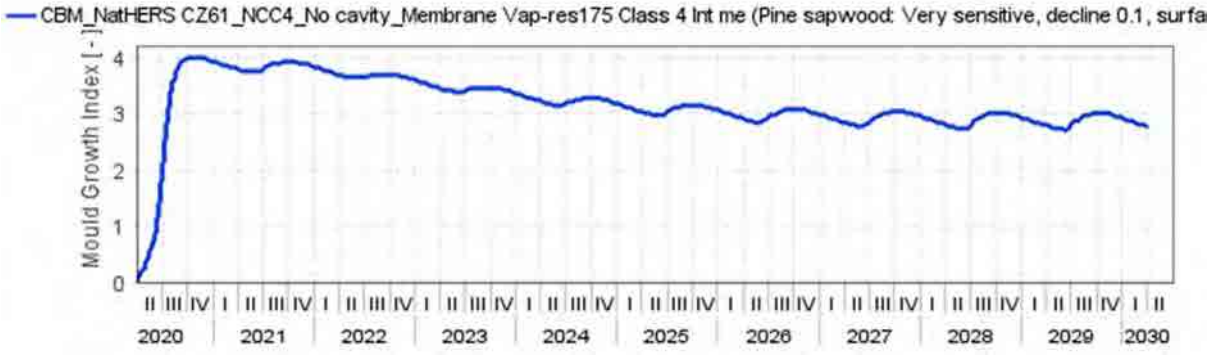

Figure 69 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

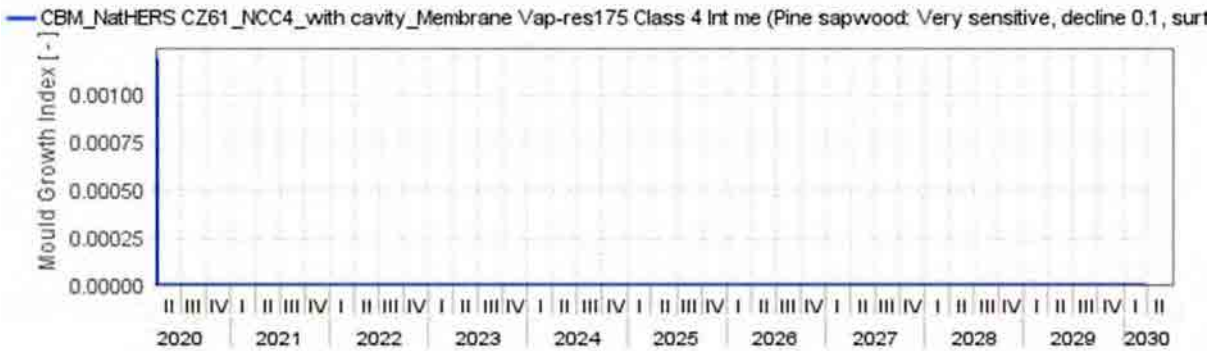

Figure 70 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

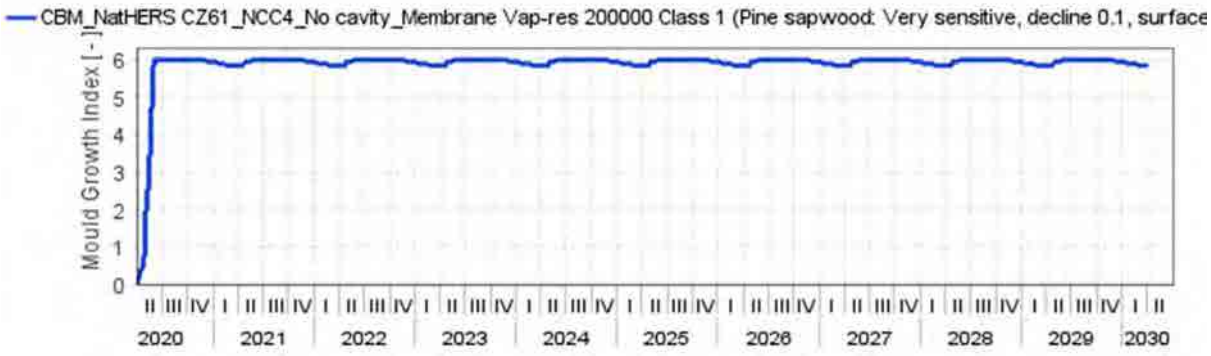

Figure 71: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

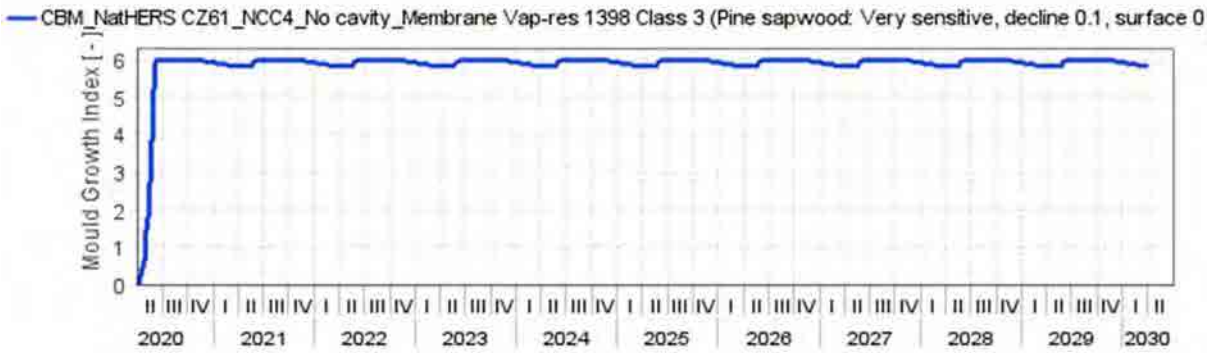

Figure 72: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

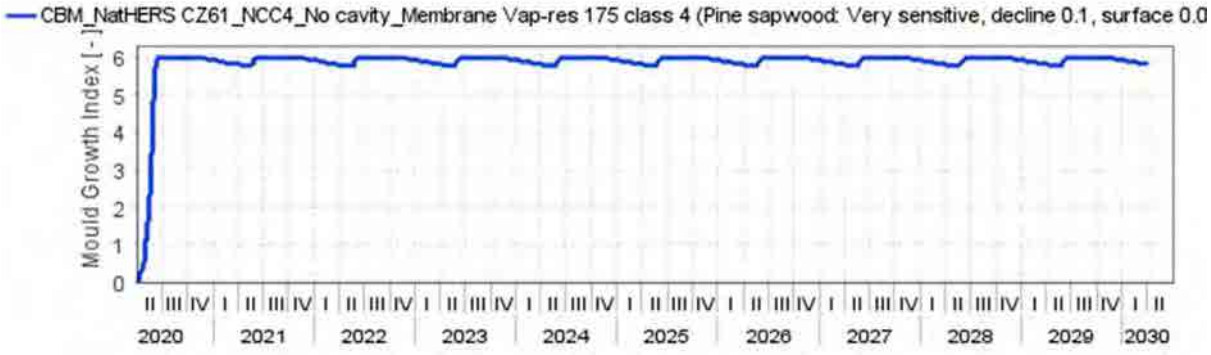

Figure 73: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

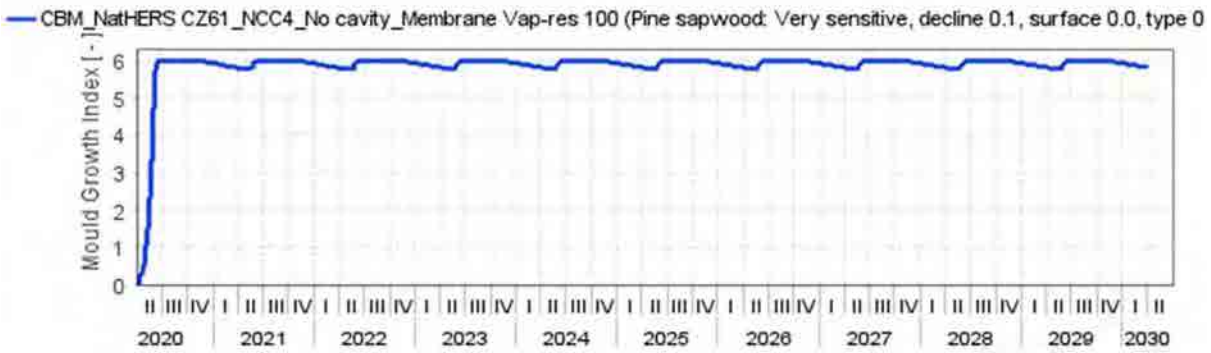

Figure 74 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

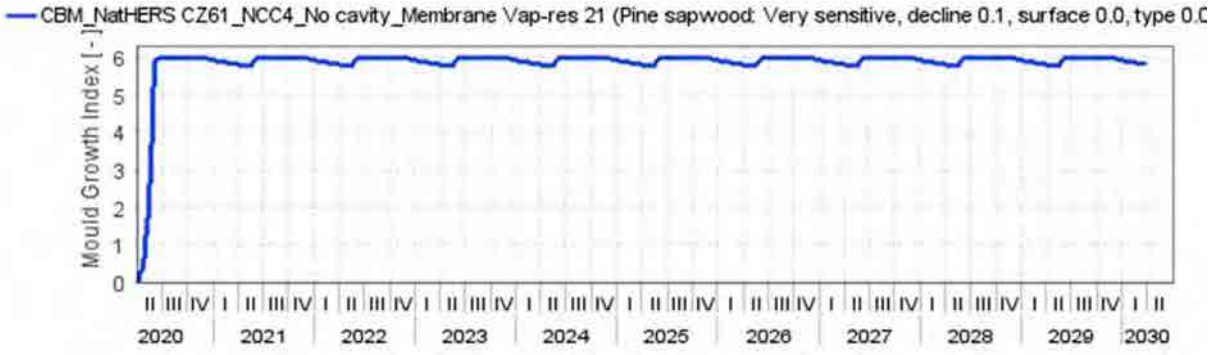

Figure 75: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

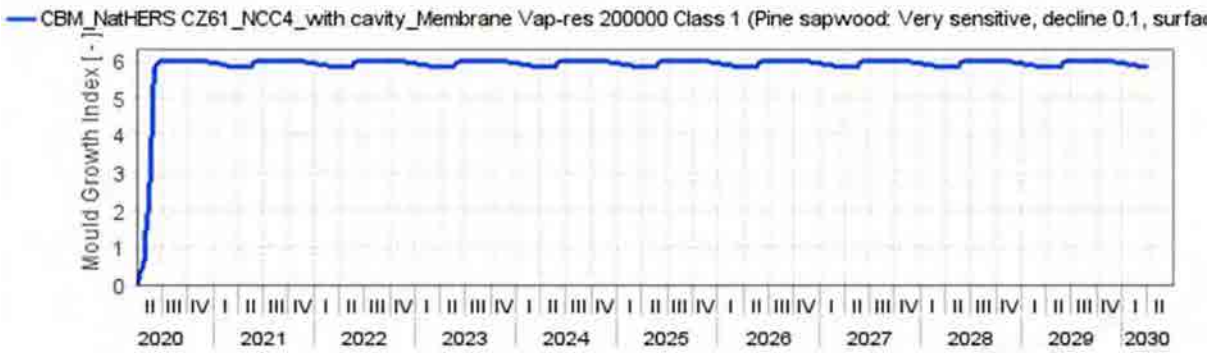

Figure 76: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

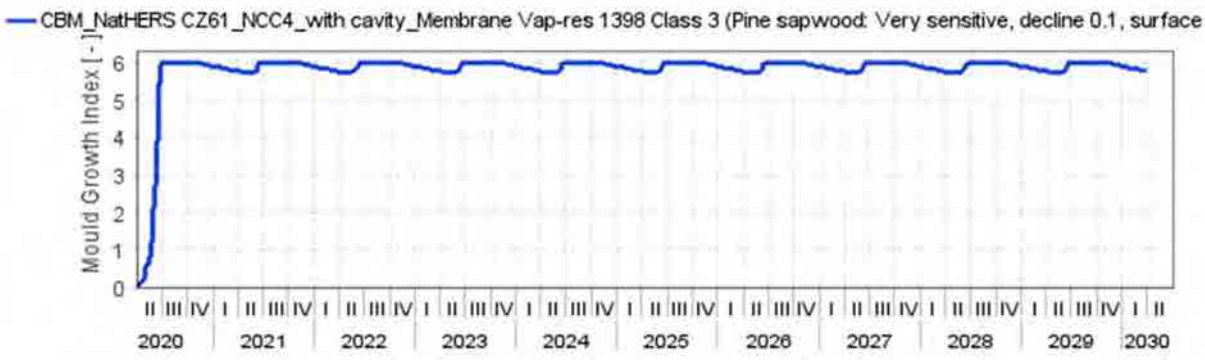

Figure 77: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

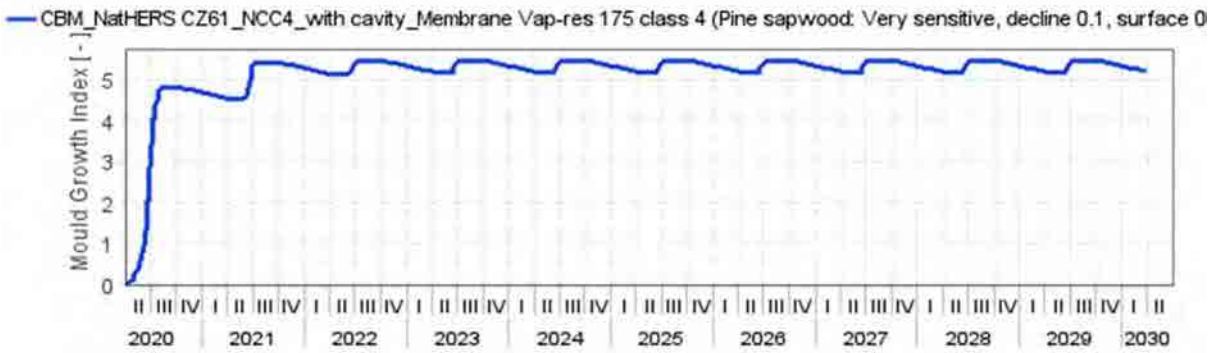

Figure 78: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

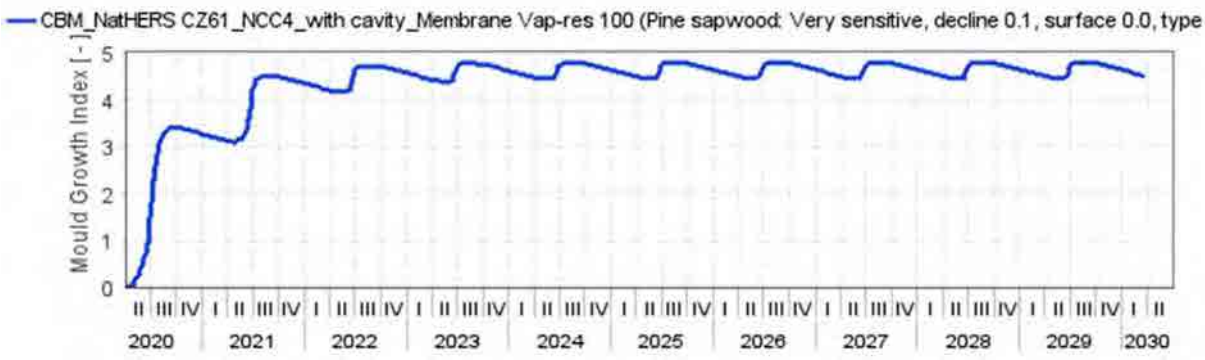

Figure 79 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

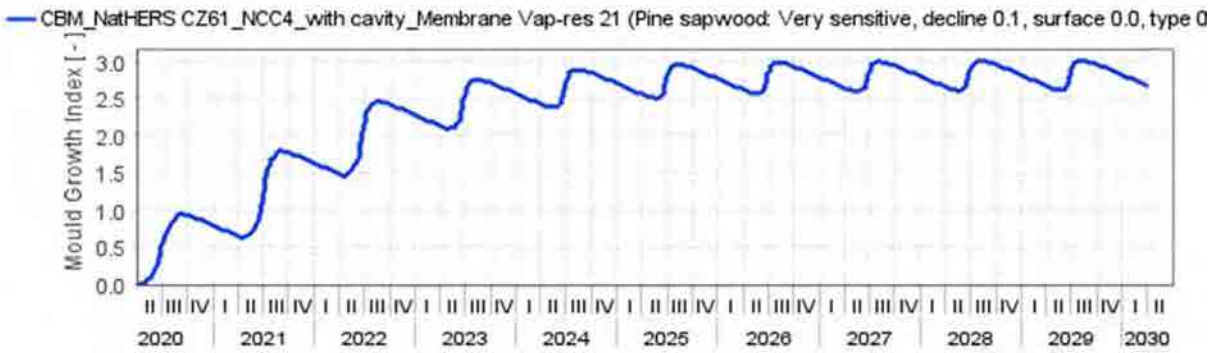

Figure 80 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

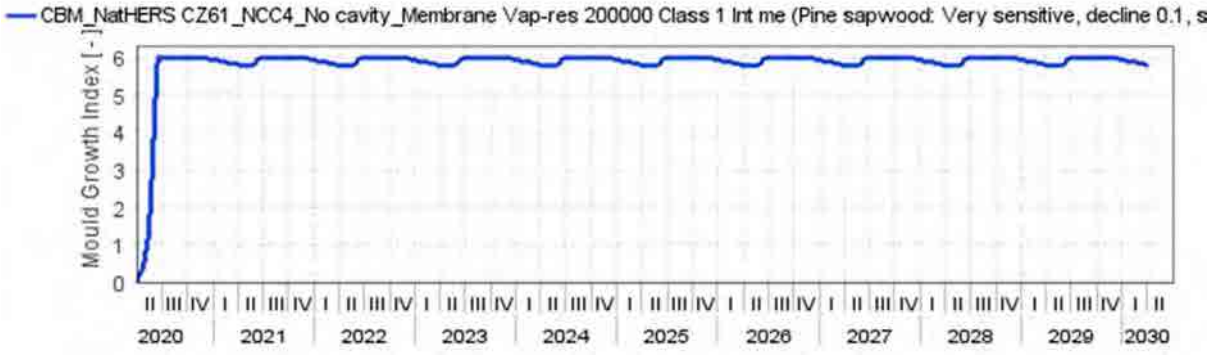

Figure 81: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

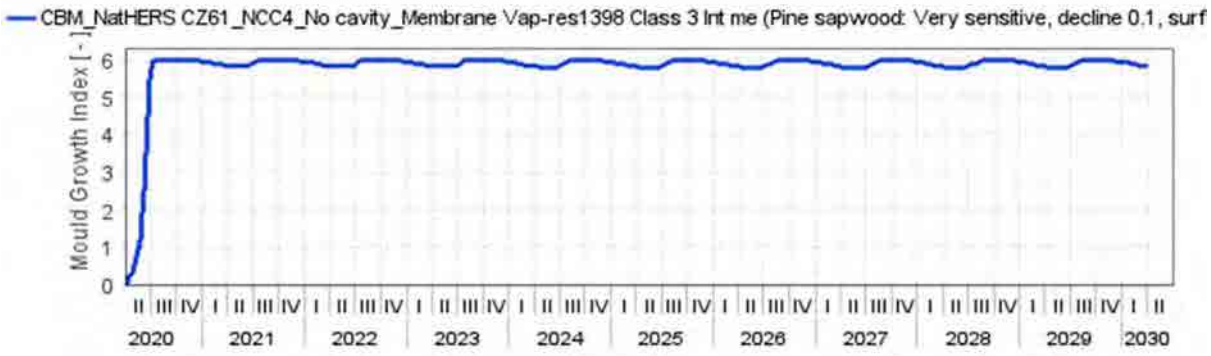

Figure 82 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

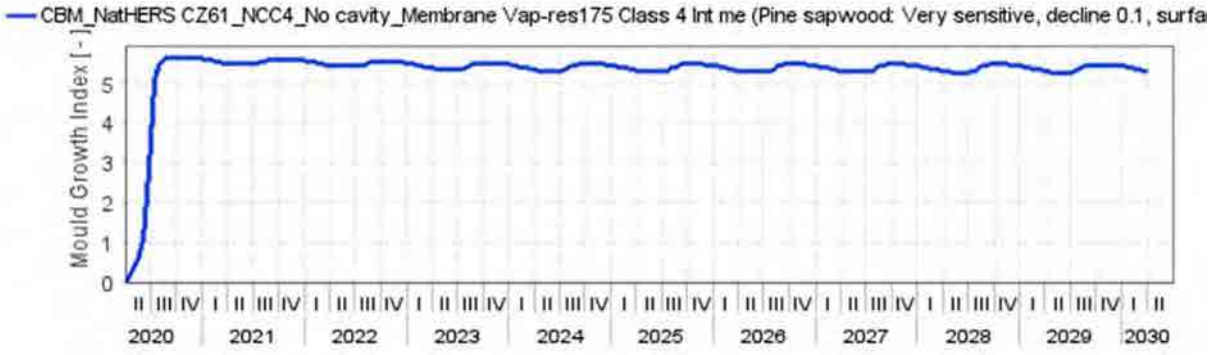

Figure 83 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

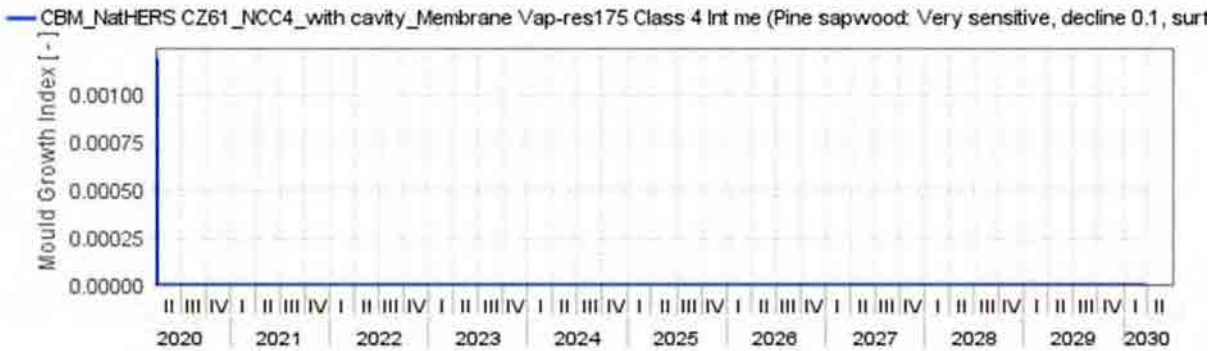

Figure 84 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

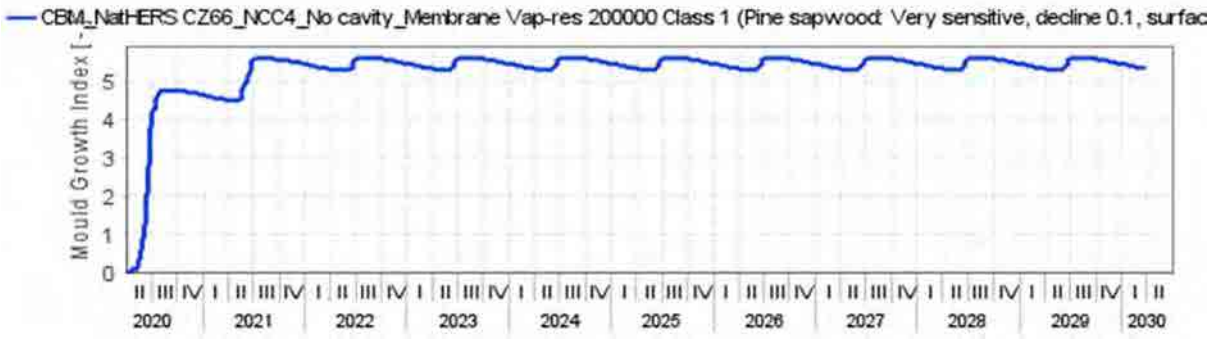

Figure 85: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 86: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 87: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

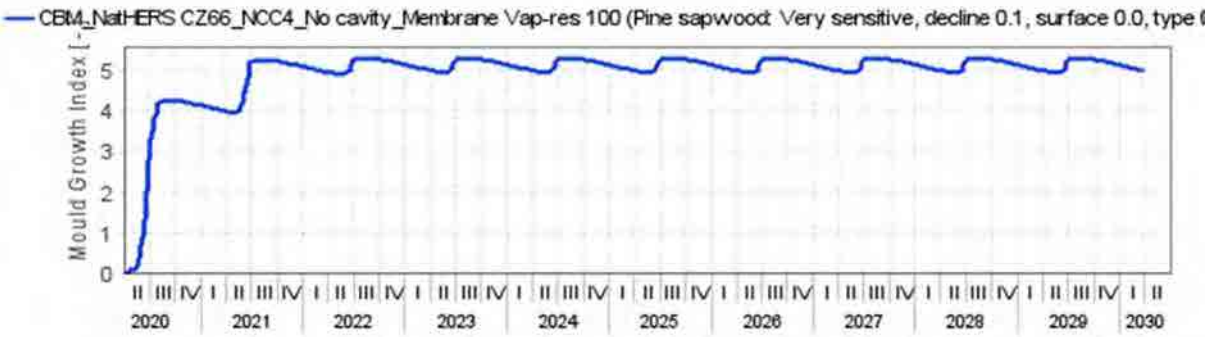

Figure 88 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

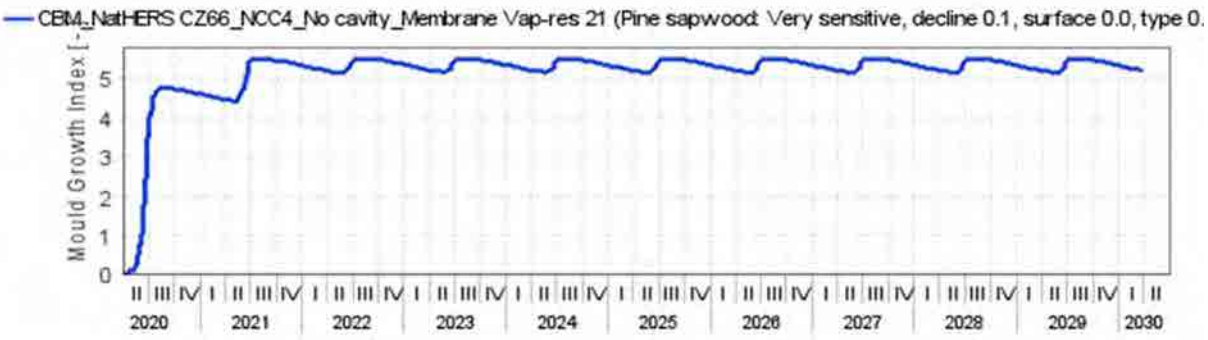

Figure 89: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

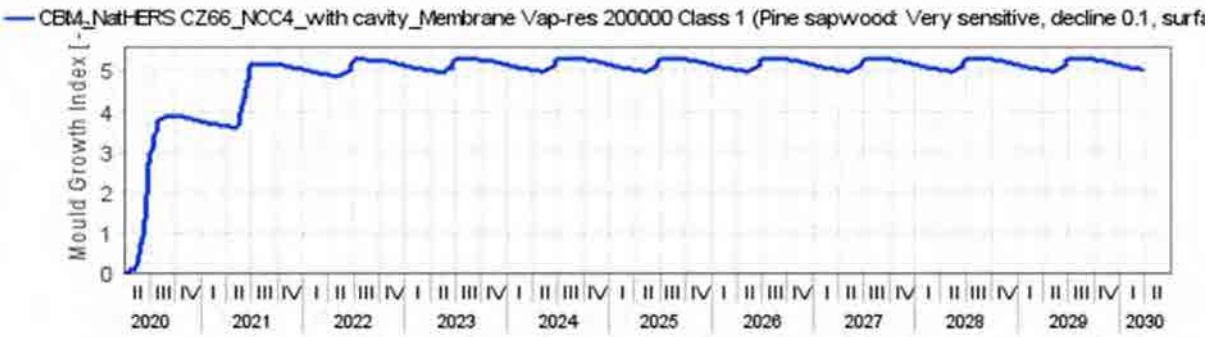

Figure 90: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

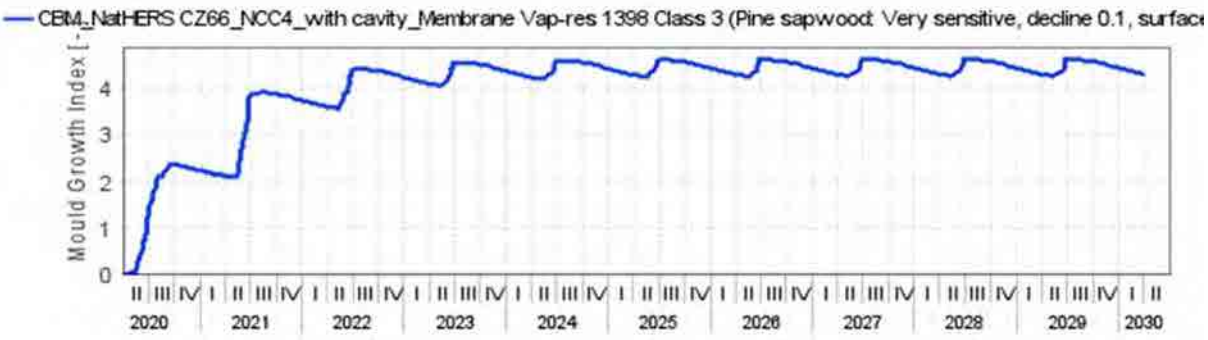

Figure 91: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

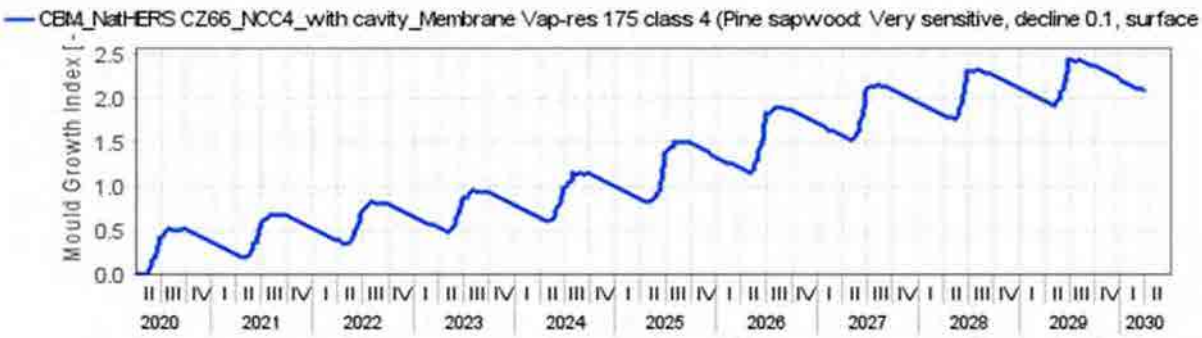

Figure 92: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

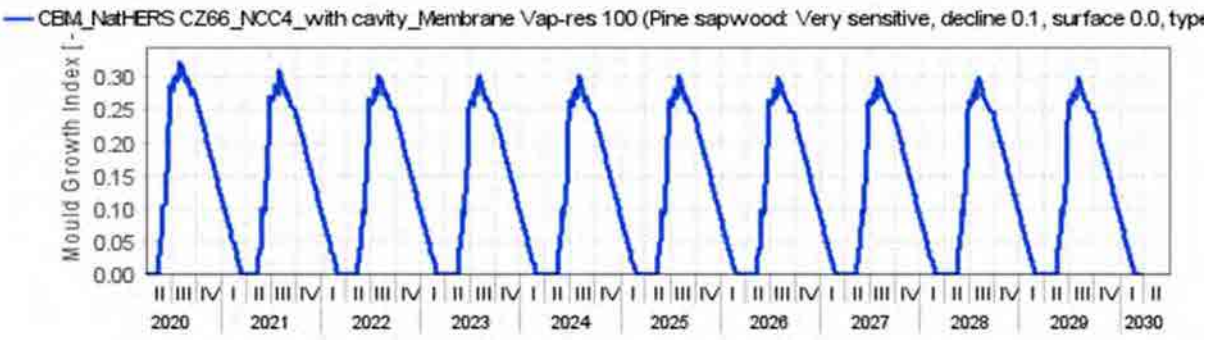

Figure 93 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

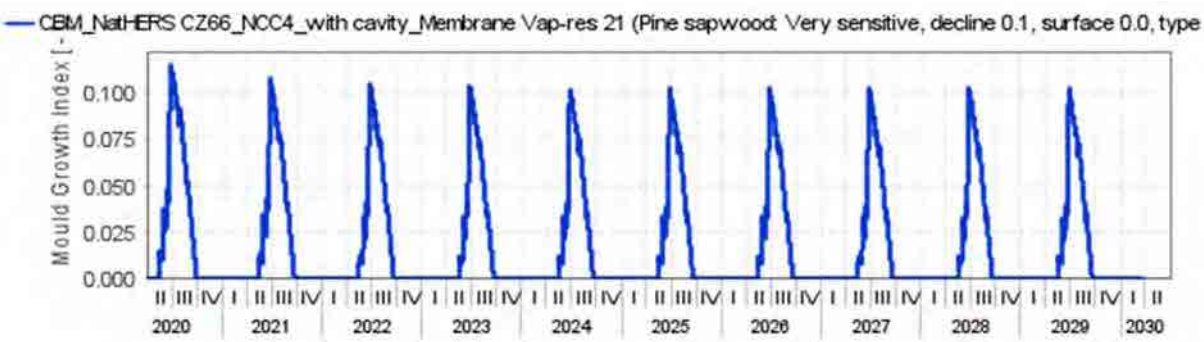

Figure 94 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

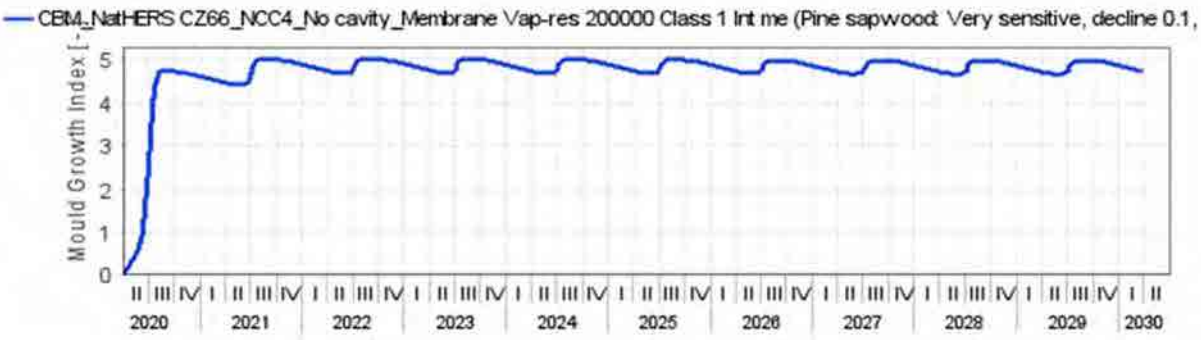

Figure 95: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

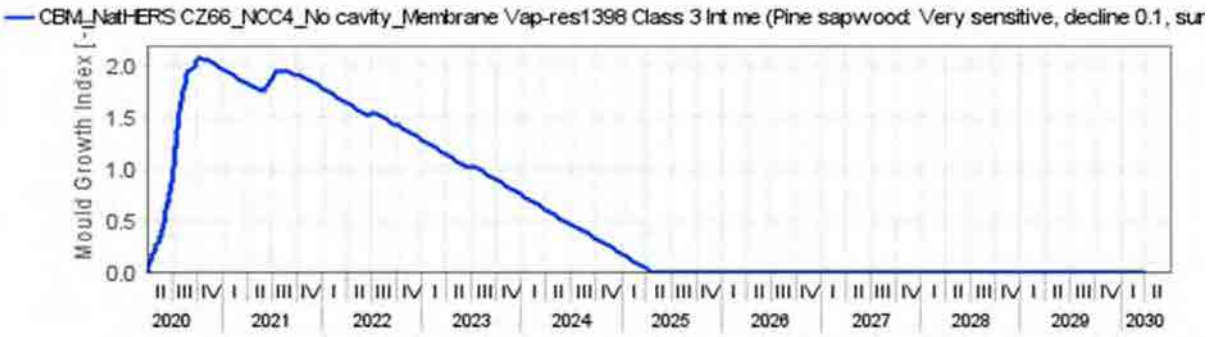

Figure 96 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

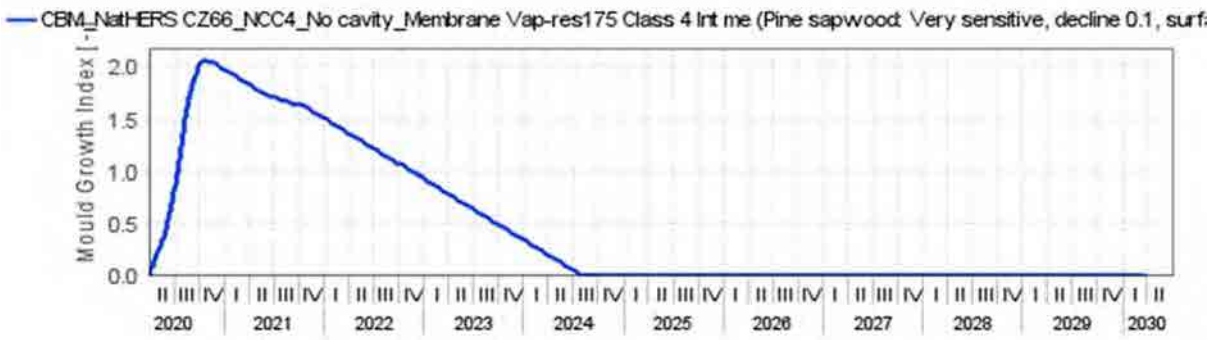

Figure 97 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

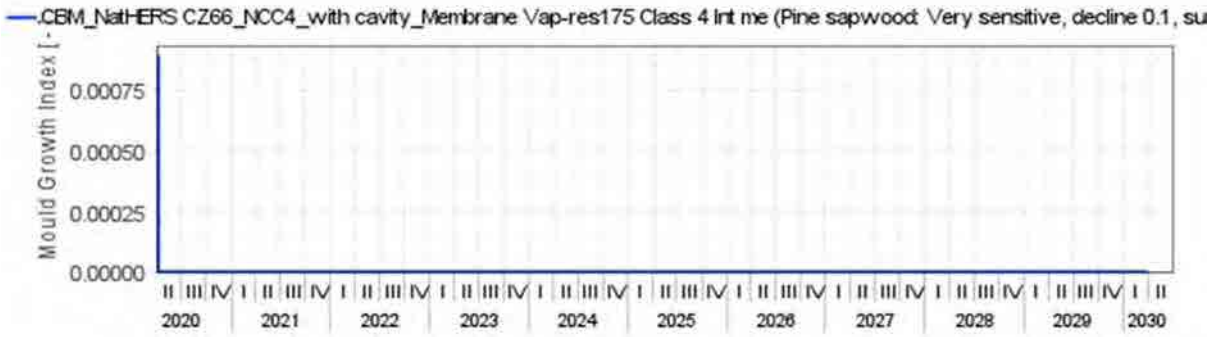

Figure 98 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

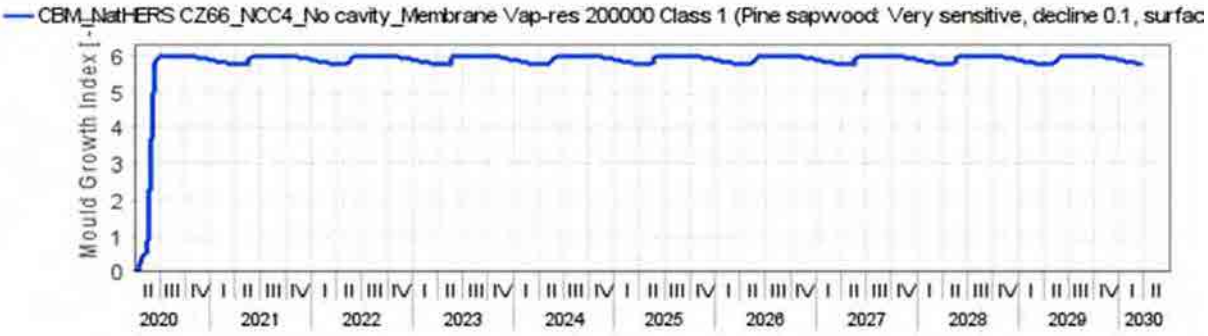

Figure 99: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 100: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

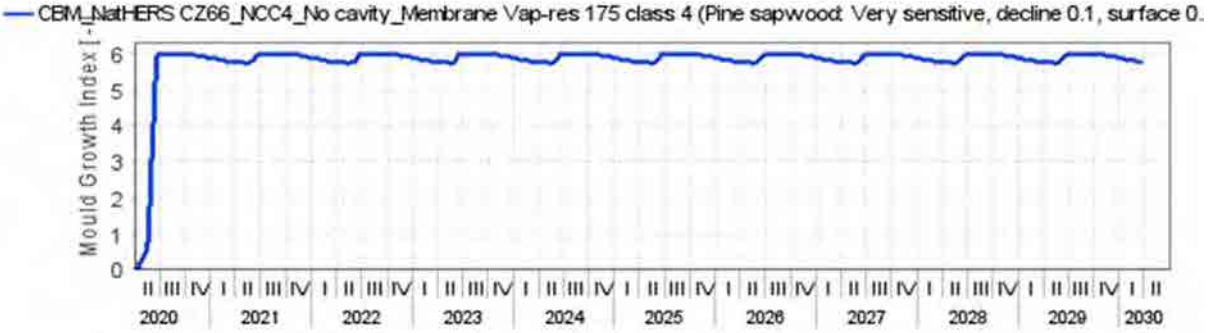

Figure 101: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

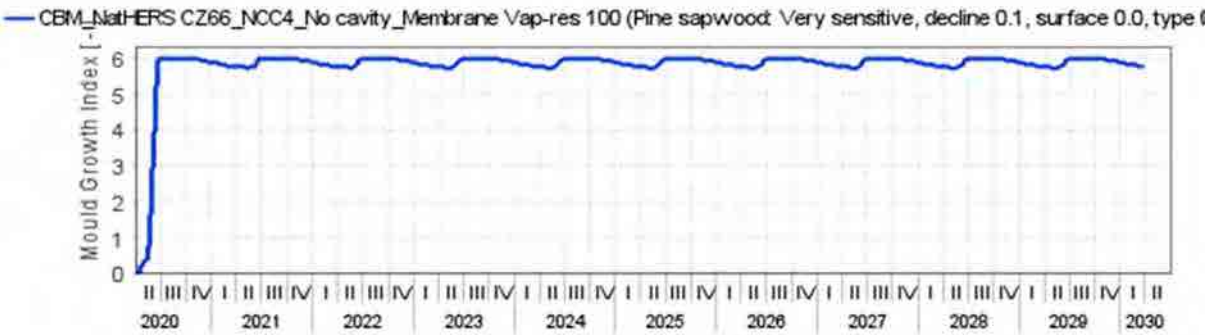

Figure 102 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

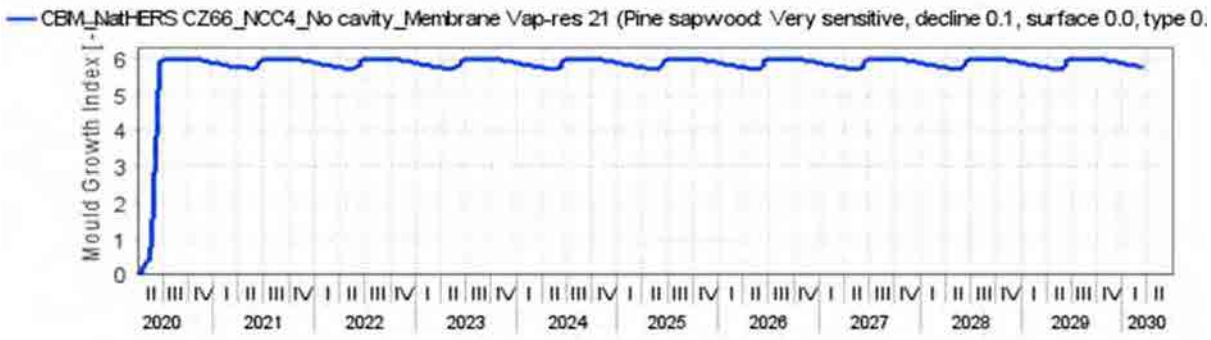

Figure 103: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

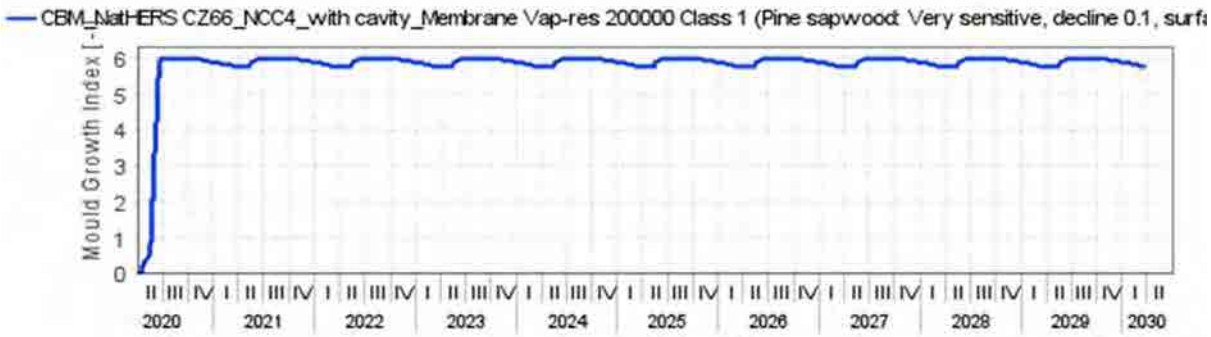

Figure 104: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

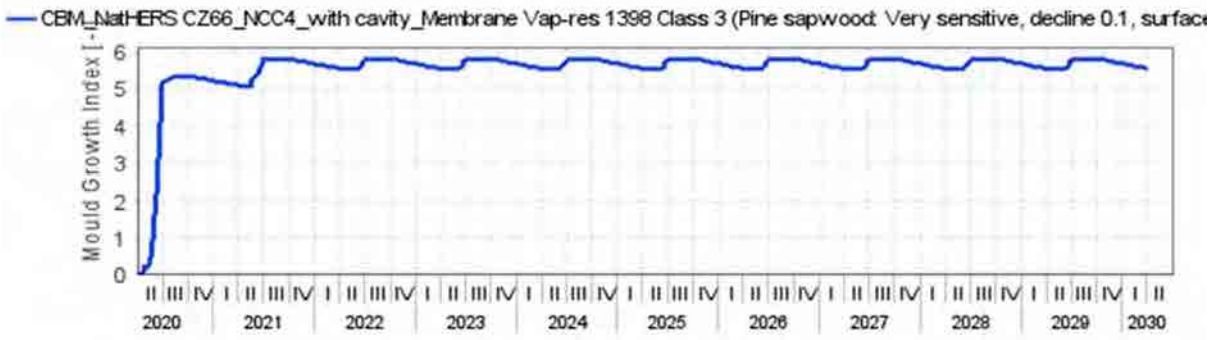

Figure 105: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 106: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

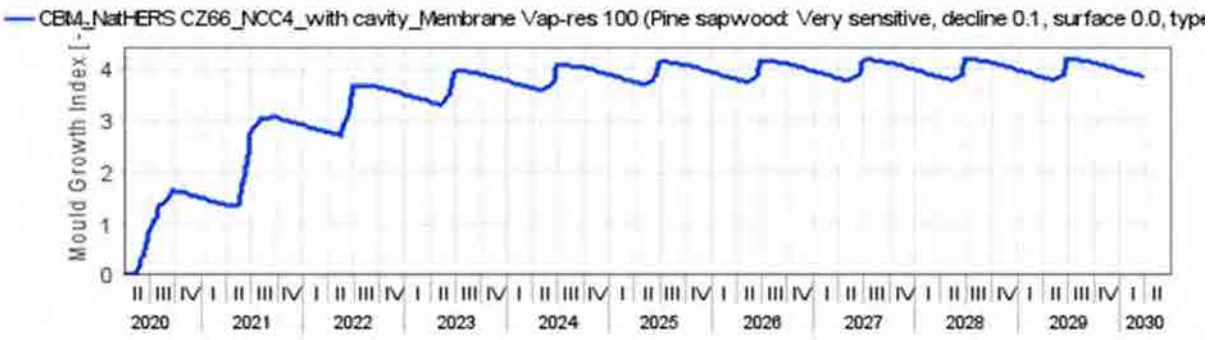

Figure 107 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

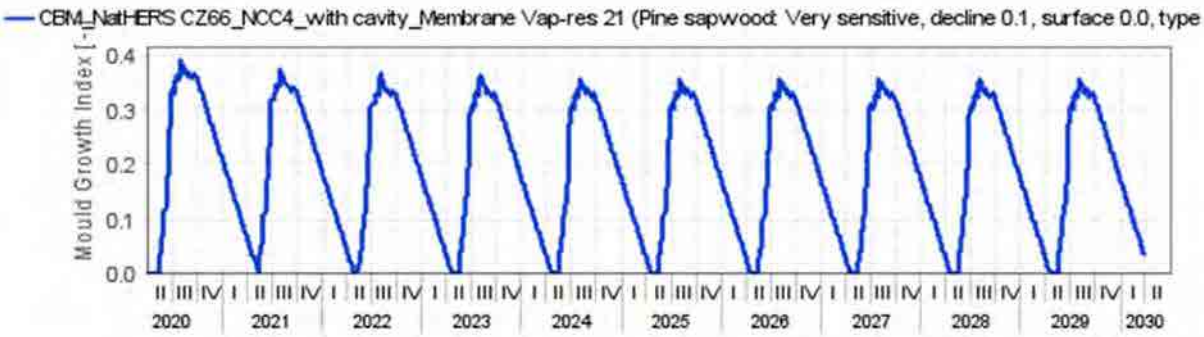

Figure 108 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

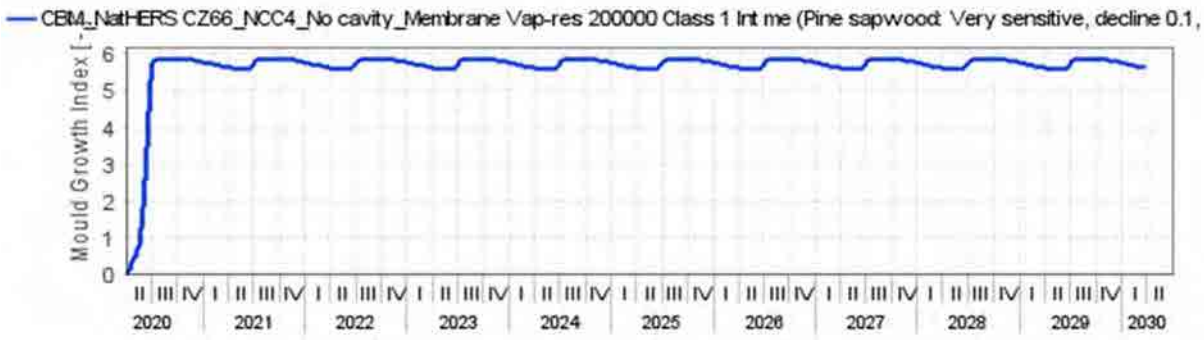

Figure 109: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 110 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

Figure 111 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

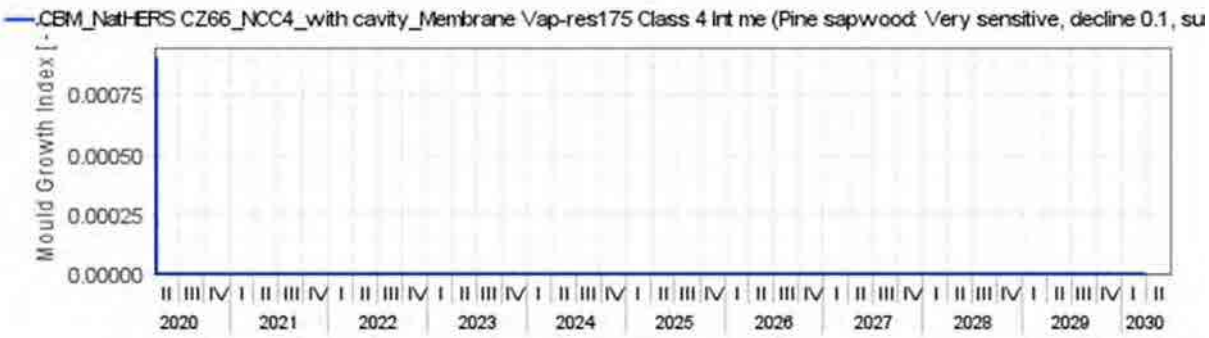

Figure 112 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

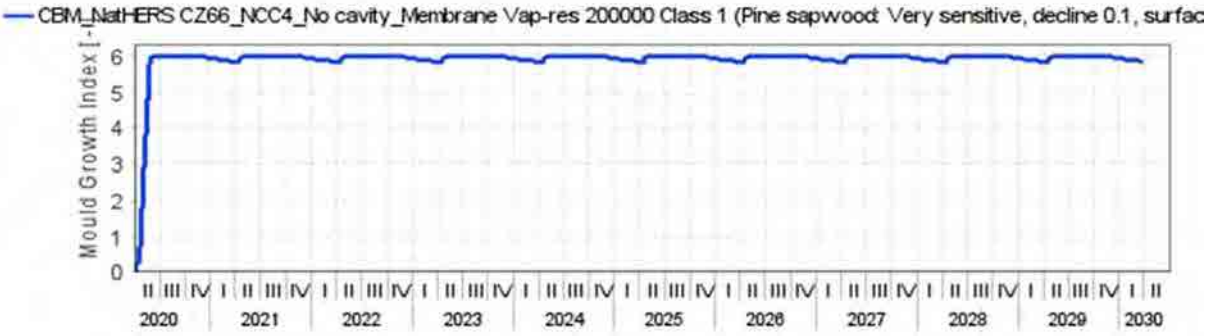

Figure 113: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 114: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

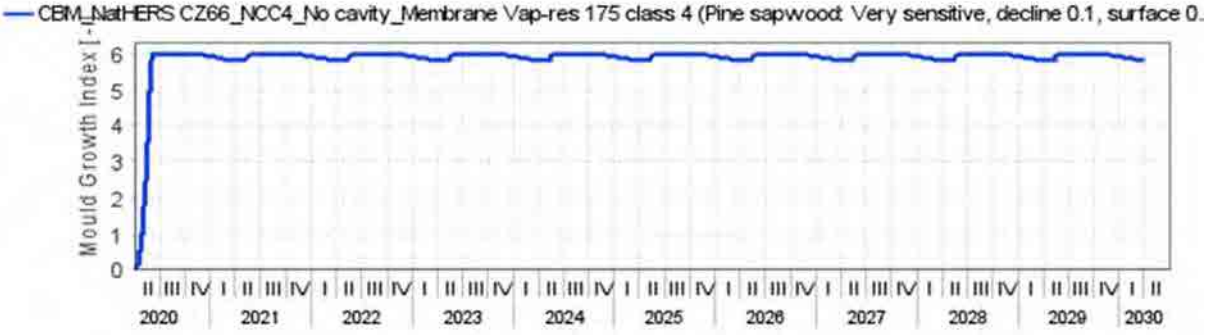

Figure 115: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

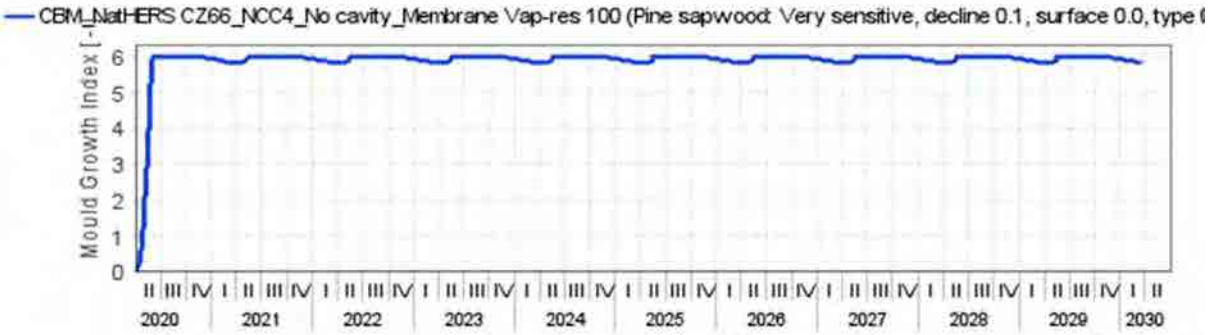

Figure 116 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

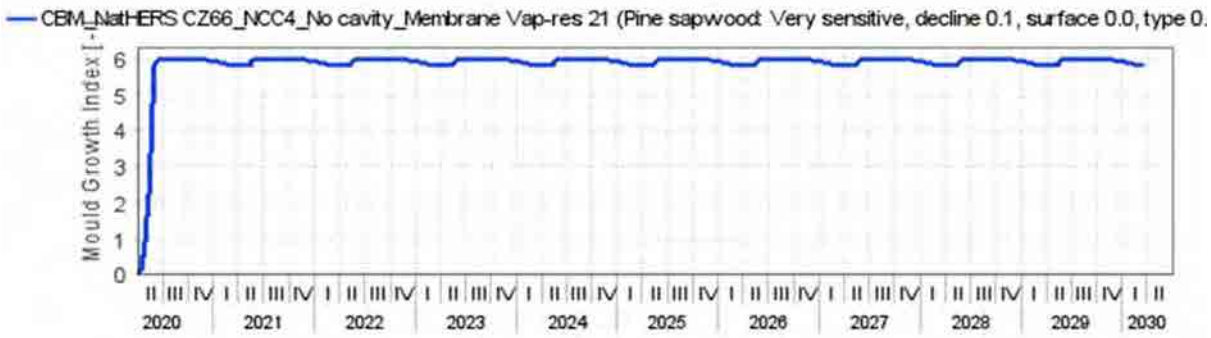

Figure 117: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

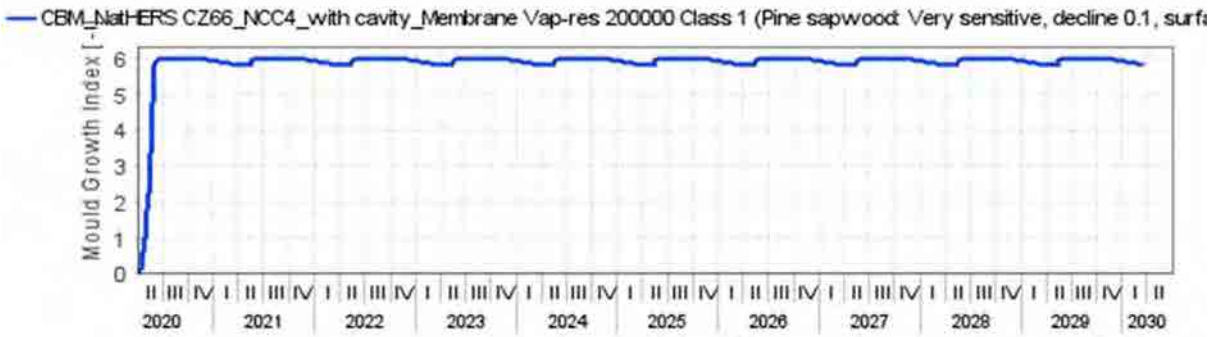

Figure 118: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

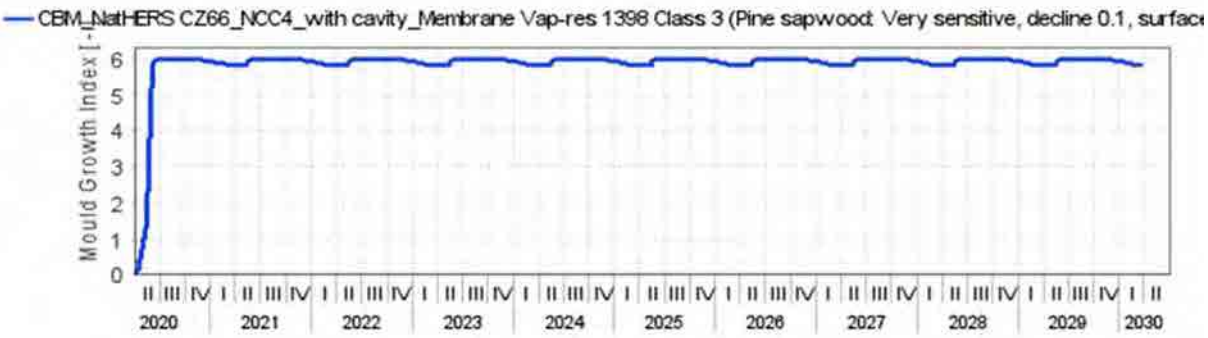

Figure 119: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

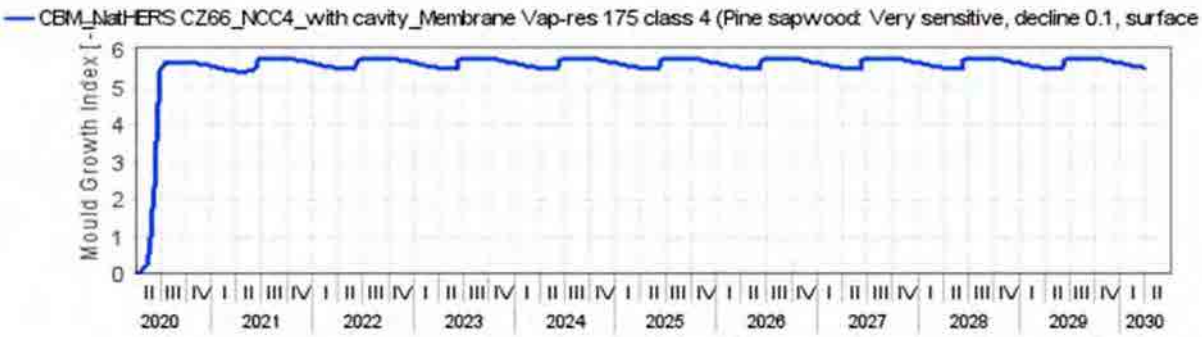

Figure 120: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

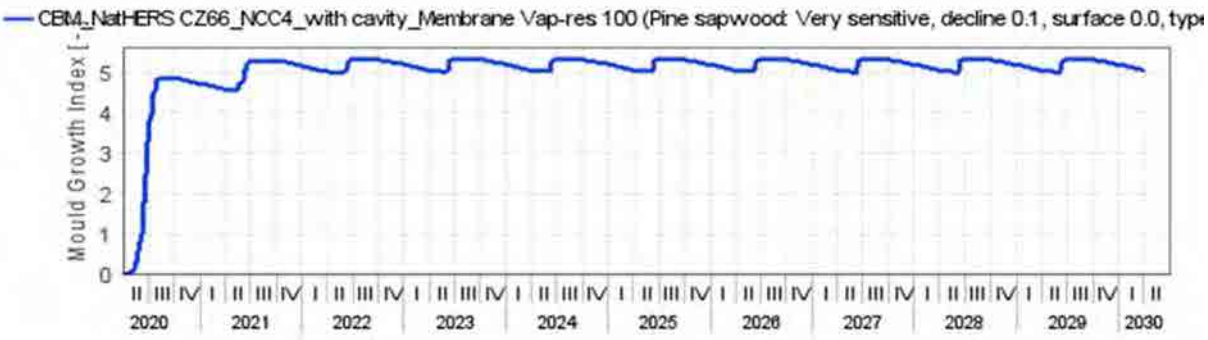

Figure 121 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

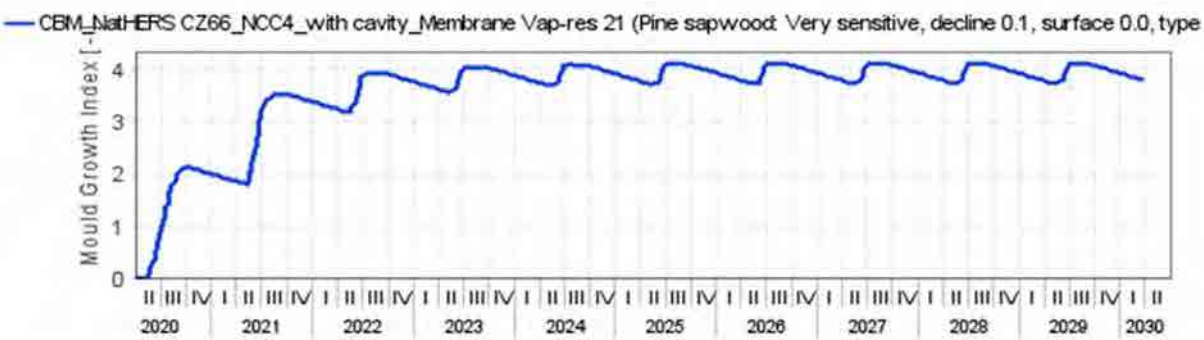

Figure 122 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

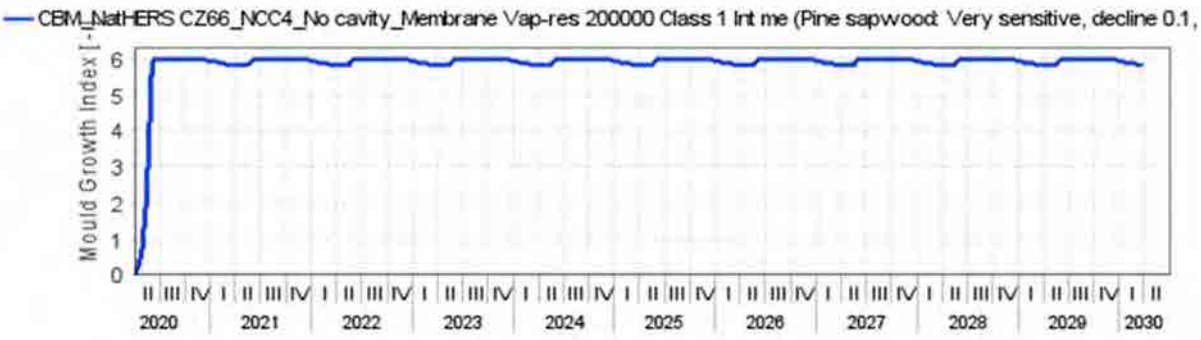

Figure 123: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Class 1 – 200000 with Int. Memb.
Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

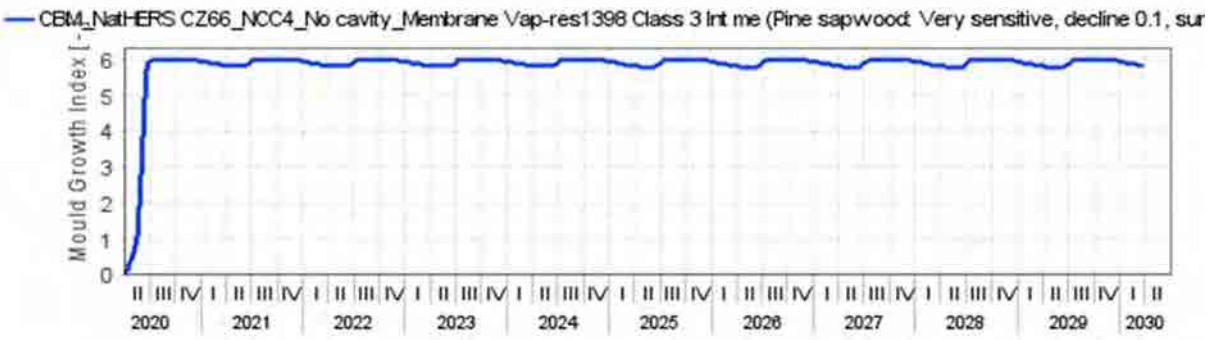

Figure 124 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.
Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

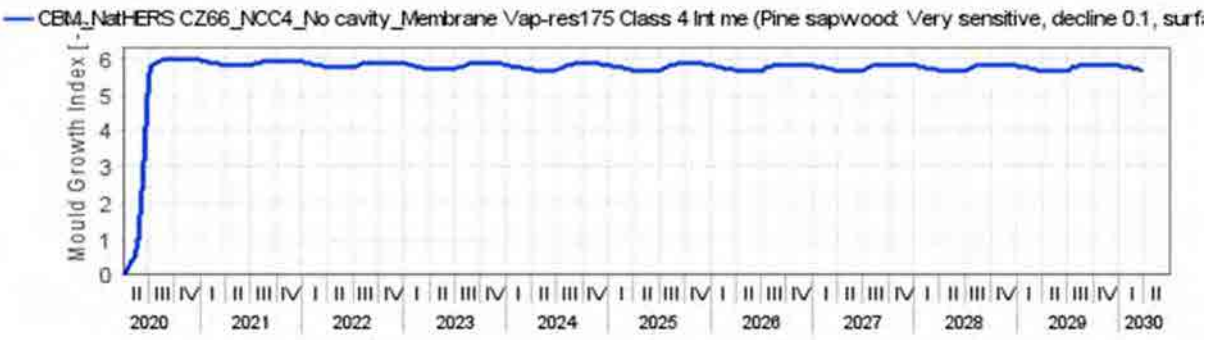

Figure 125 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

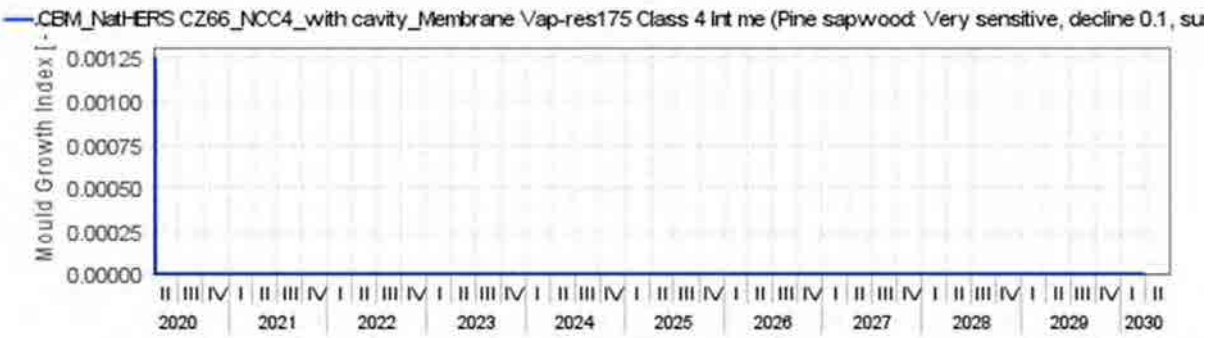

Figure 126 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NCC CZ 6

NatHERS CZ 21, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

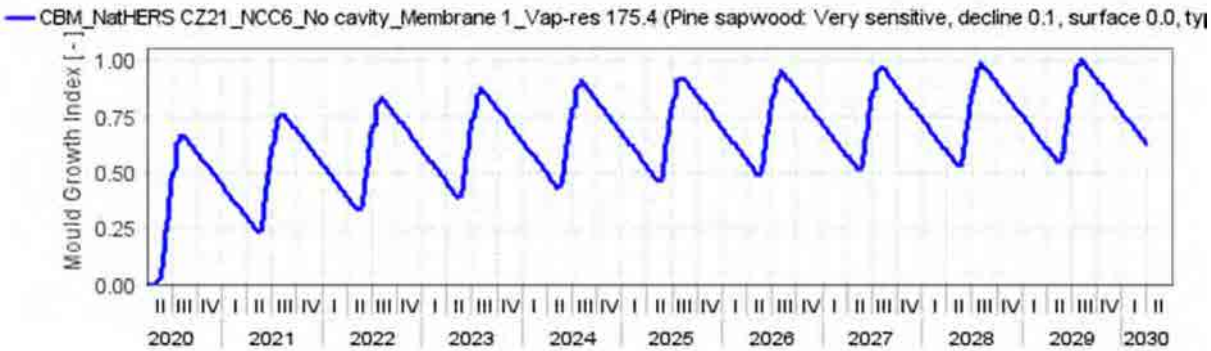

Figure 127: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

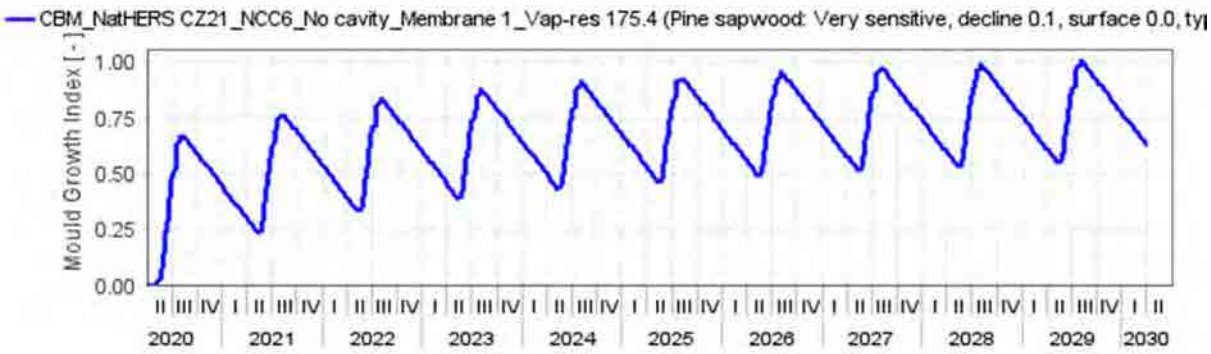

Figure 128 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

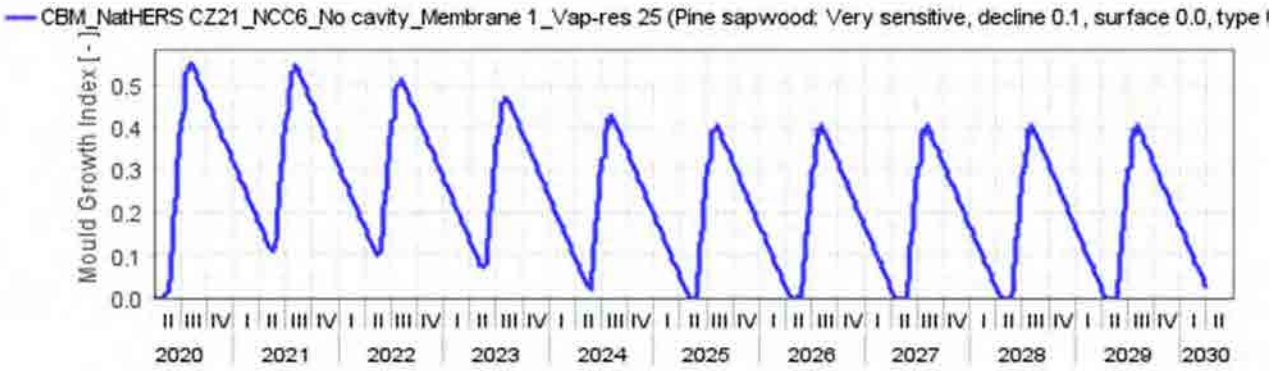

Figure 129: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

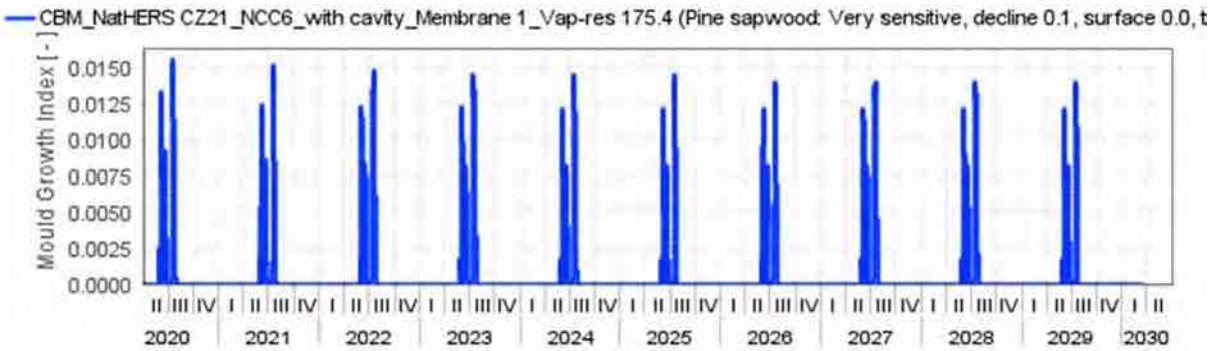

Figure 130: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

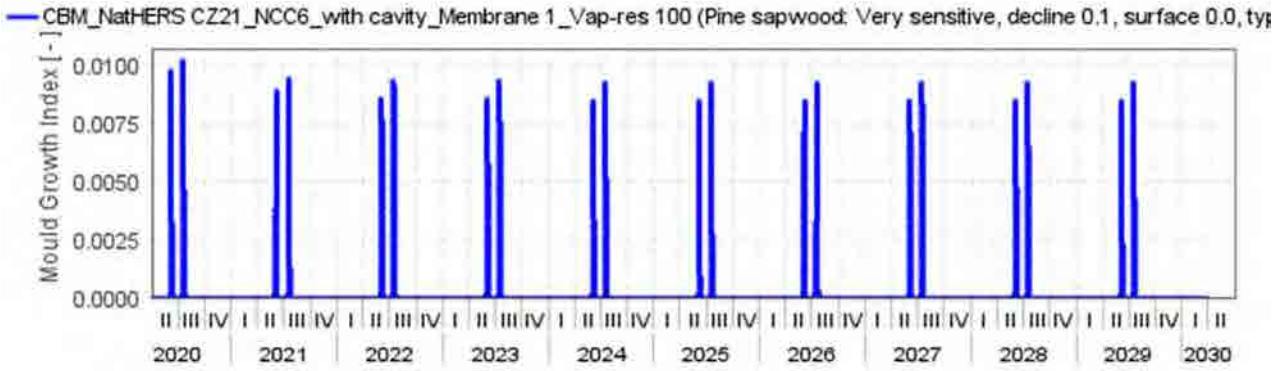

Figure 131 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

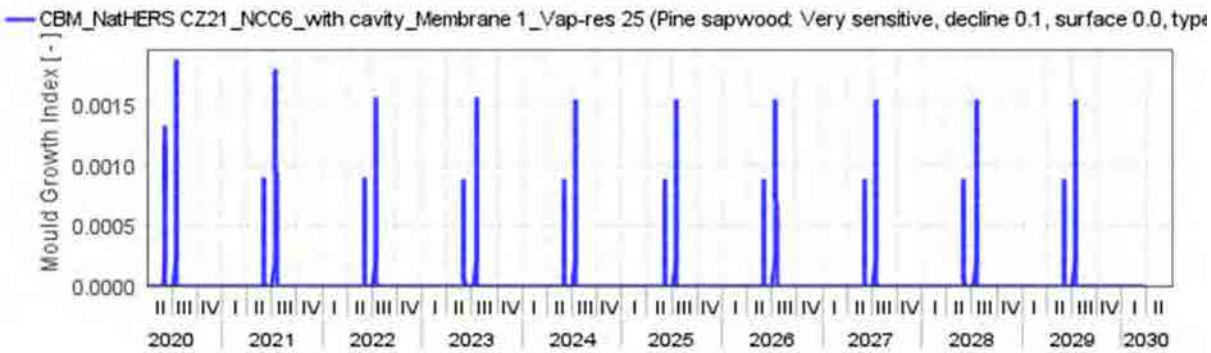

Figure 132 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

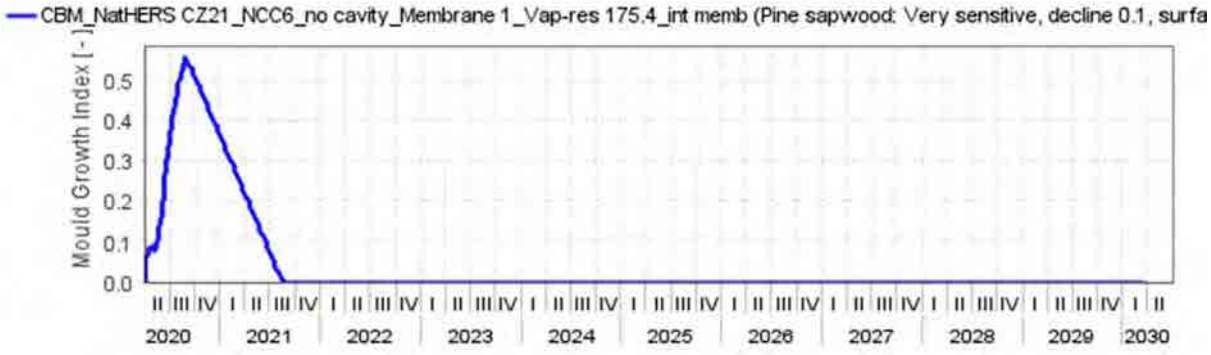

Figure 133 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

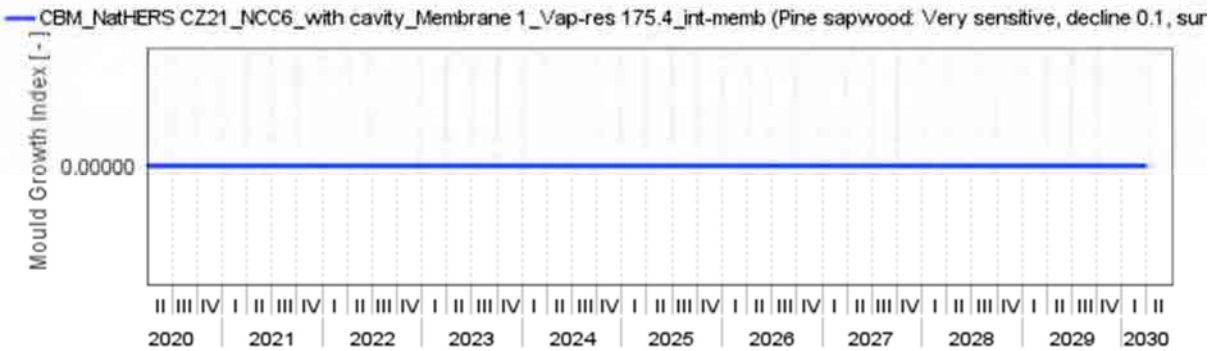

Figure 134 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

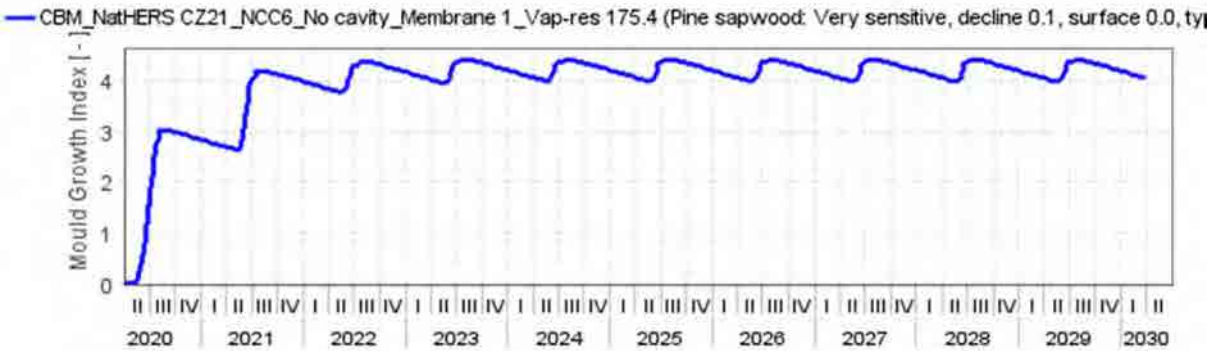

Figure 135: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

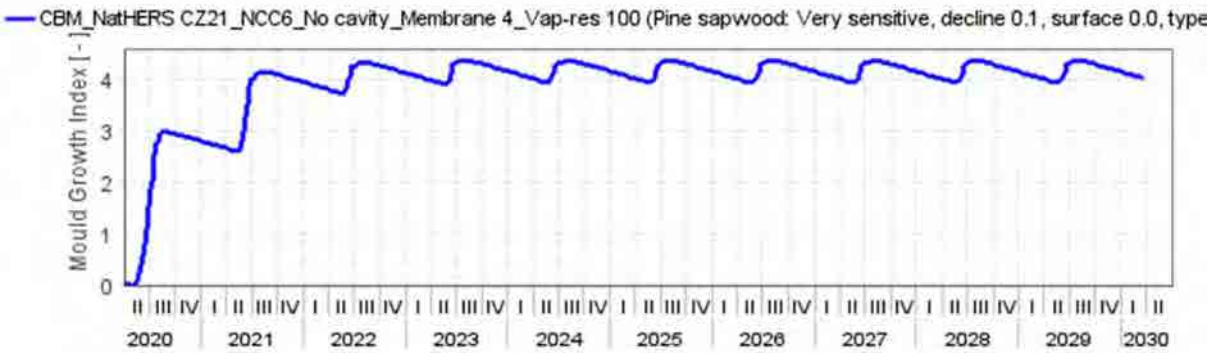

Figure 136 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

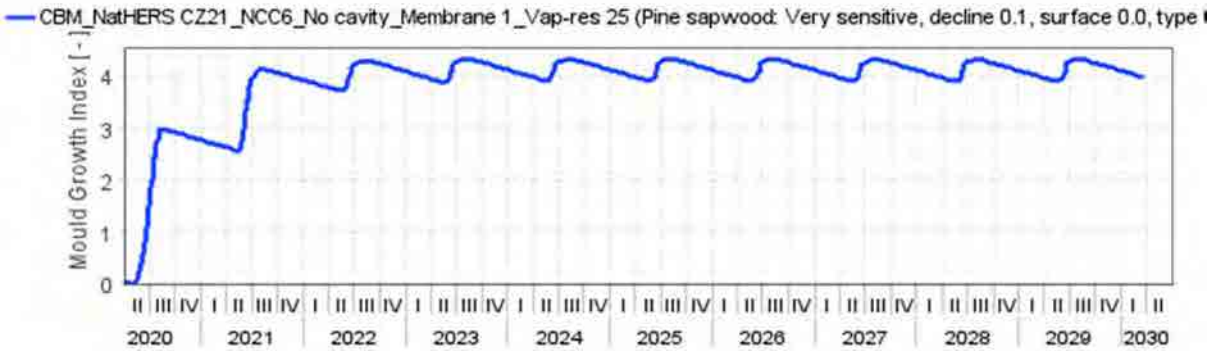

Figure 137: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

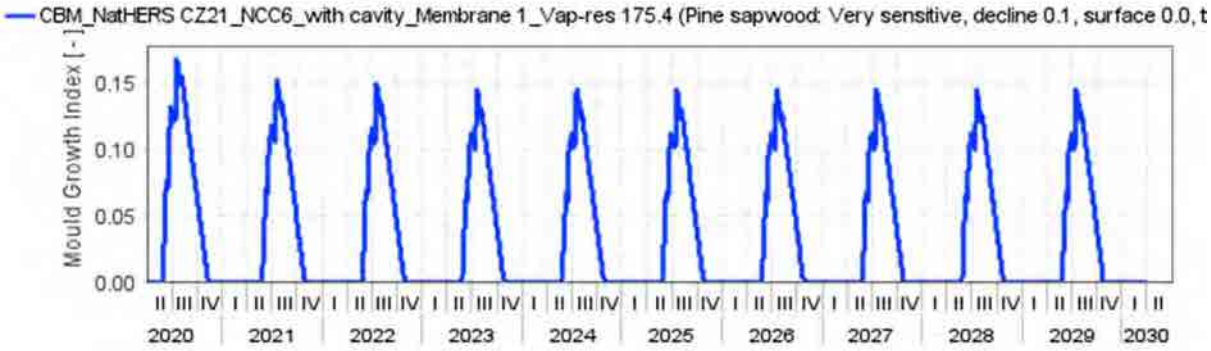

Figure 138: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

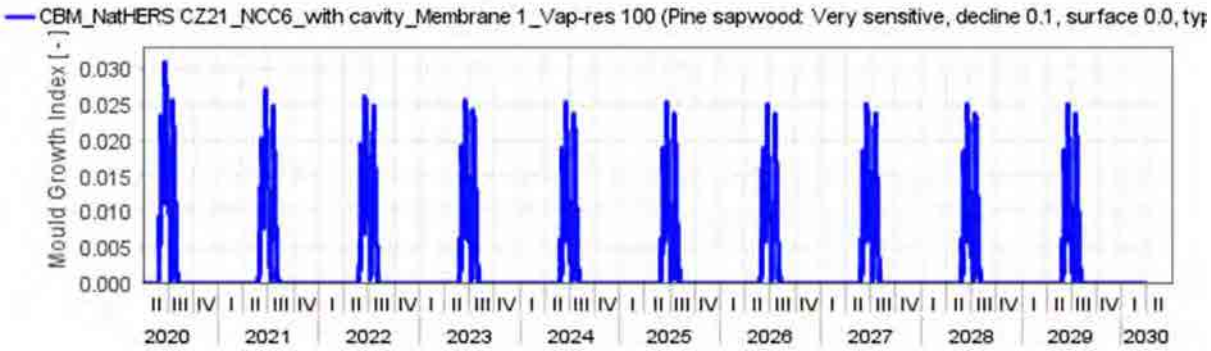

Figure 139 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

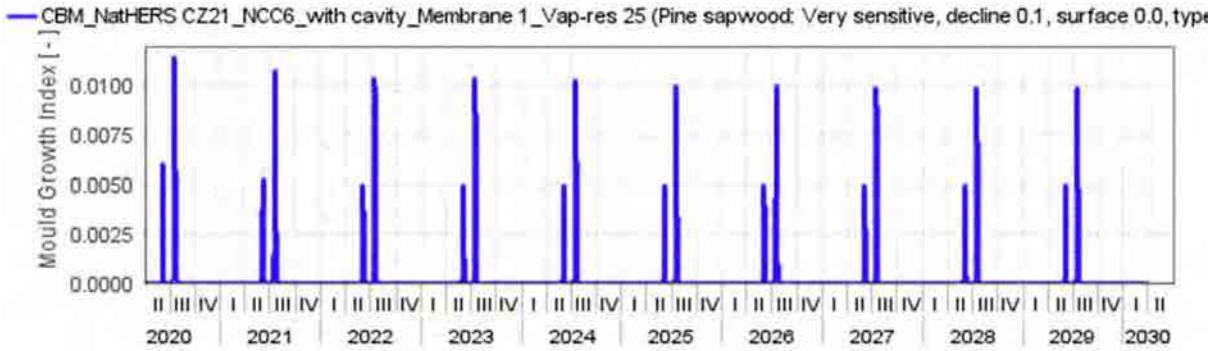

Figure 140 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year..

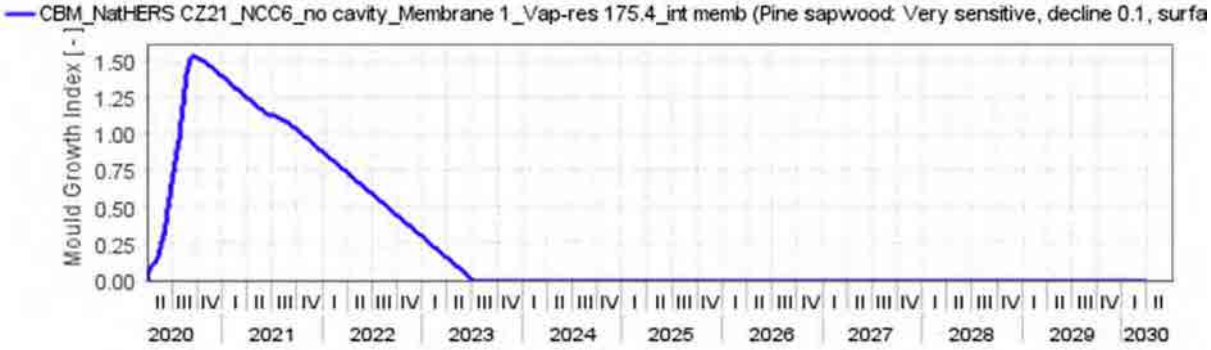

Figure 141 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

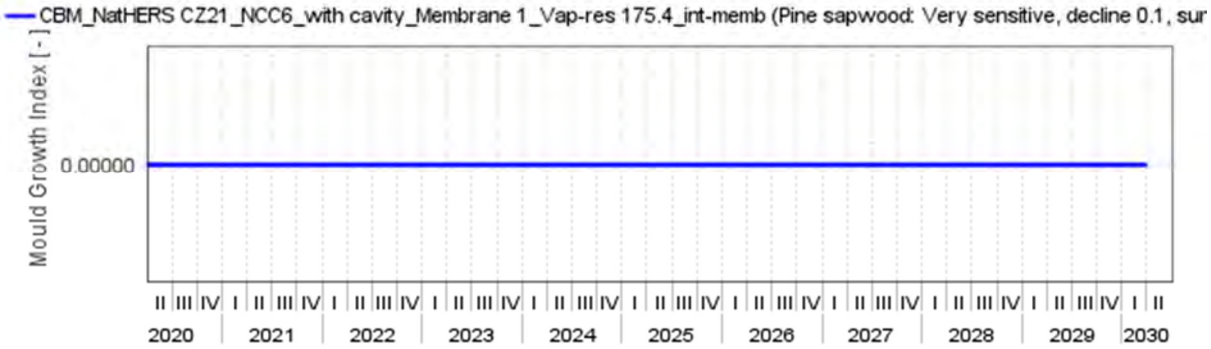

Figure 142 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

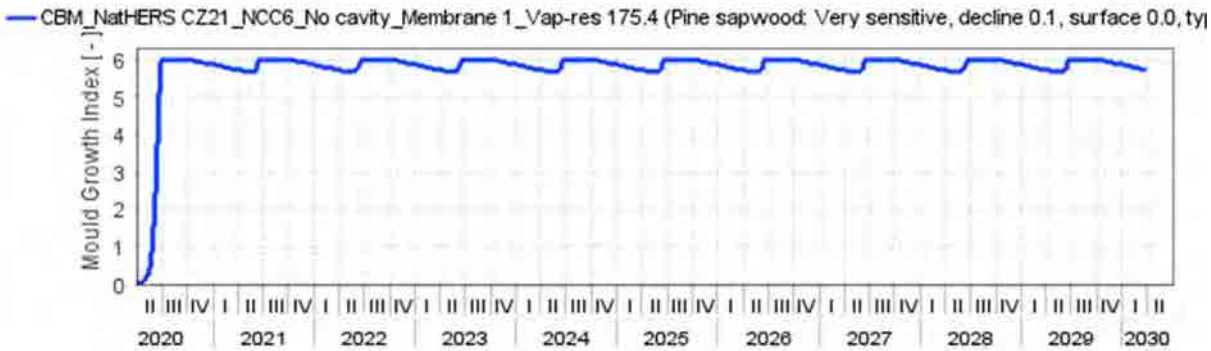

Figure 143: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

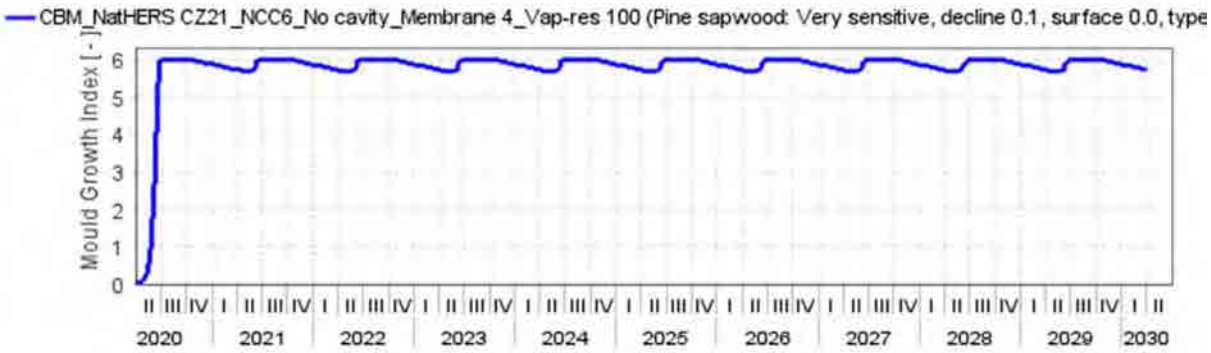

Figure 144 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

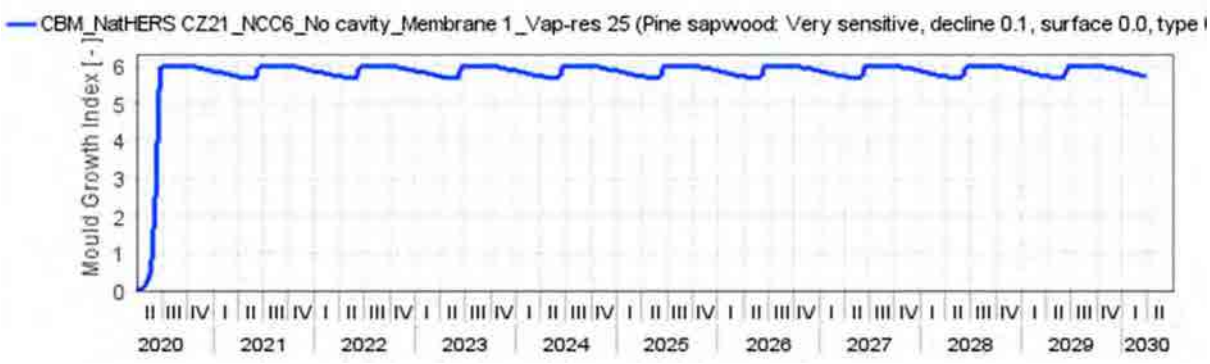

Figure 145: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

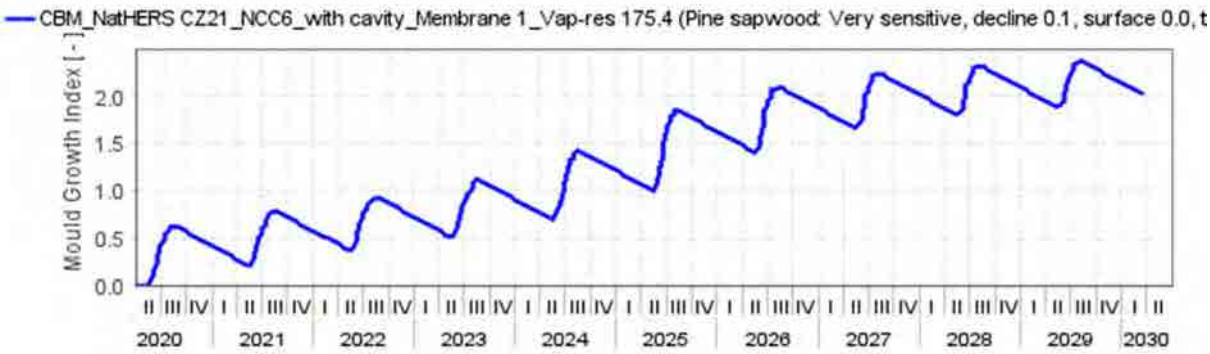

Figure 146: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

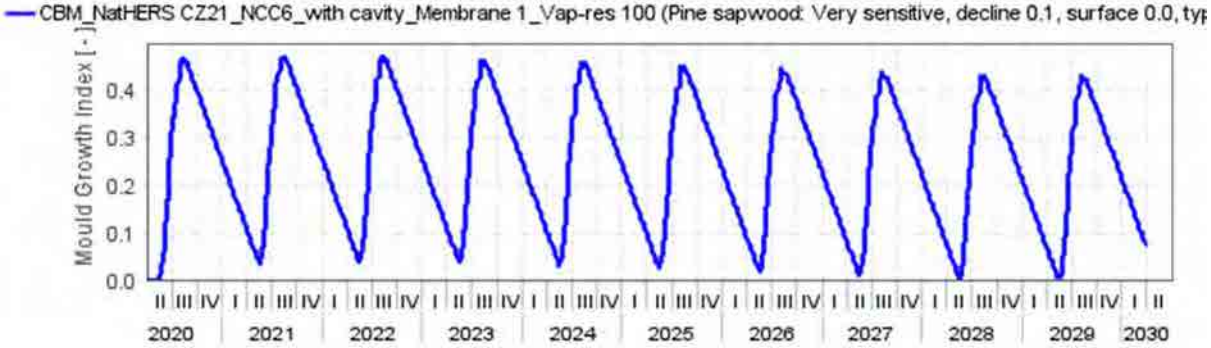

Figure 147 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

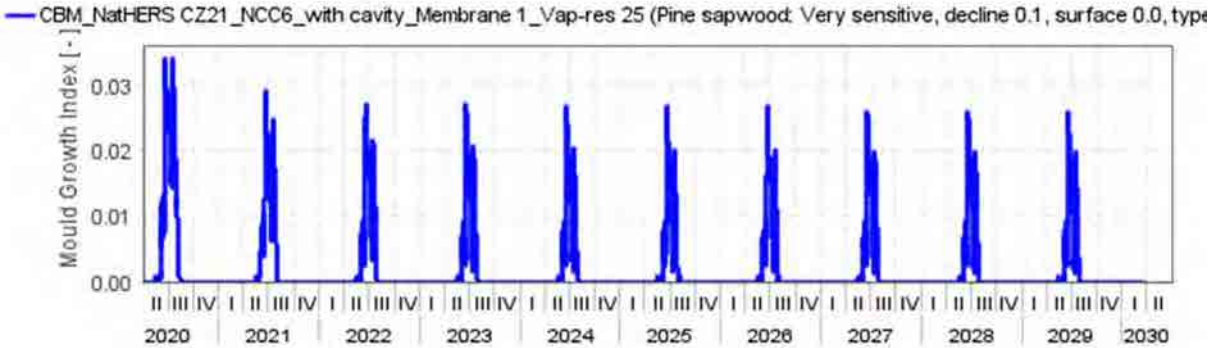

Figure 148 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – - The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

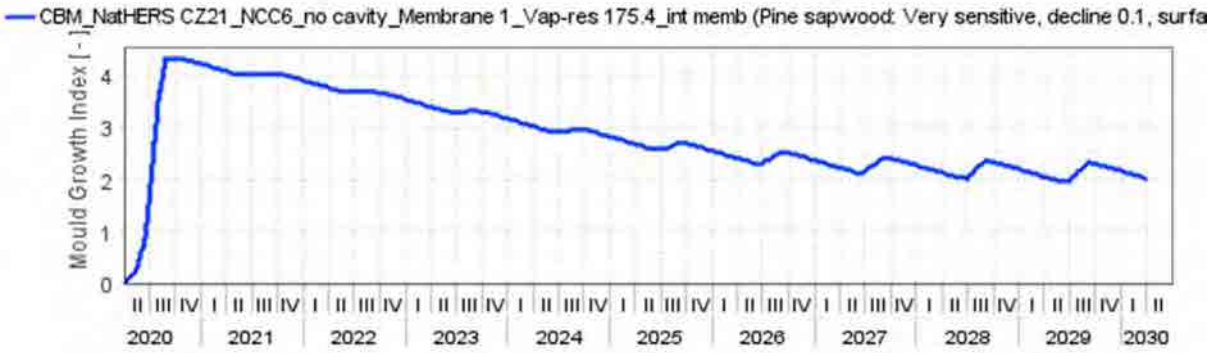

Figure 149 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

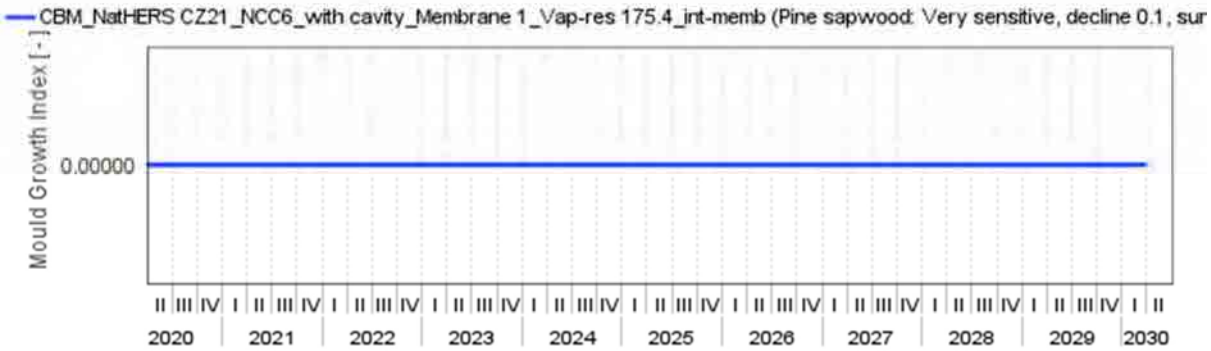

Figure 150 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

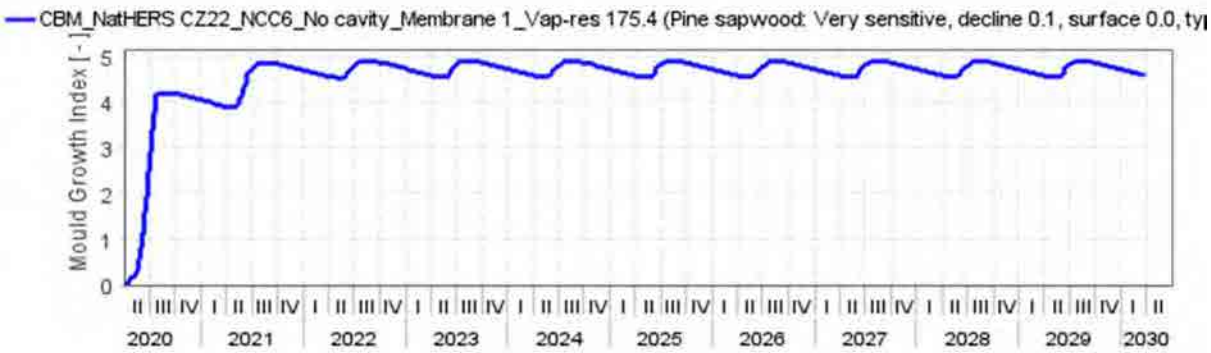

Figure 151: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

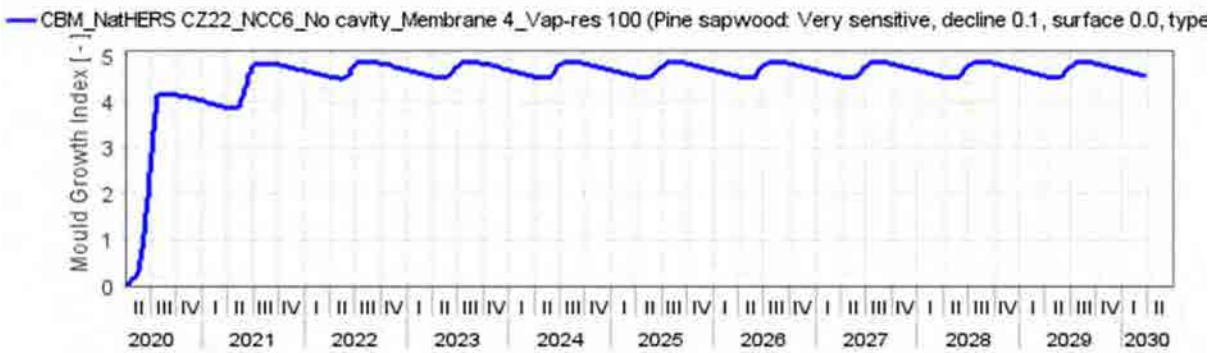

Figure 152 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

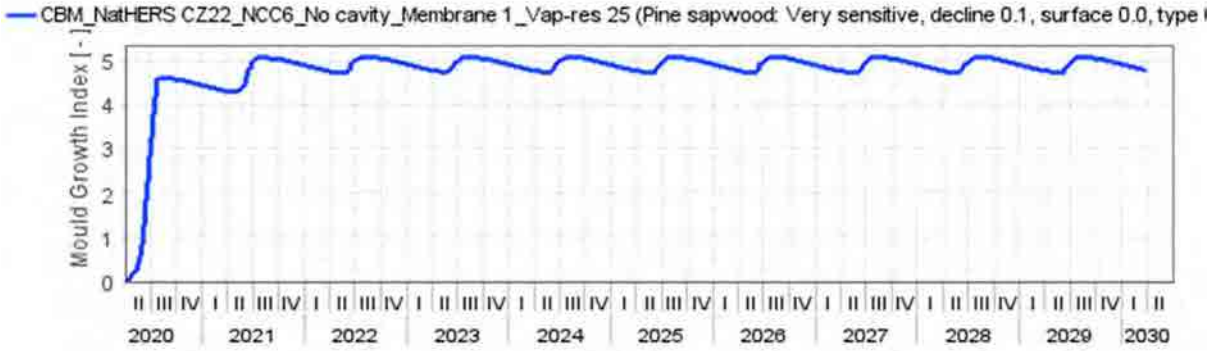

Figure 153: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

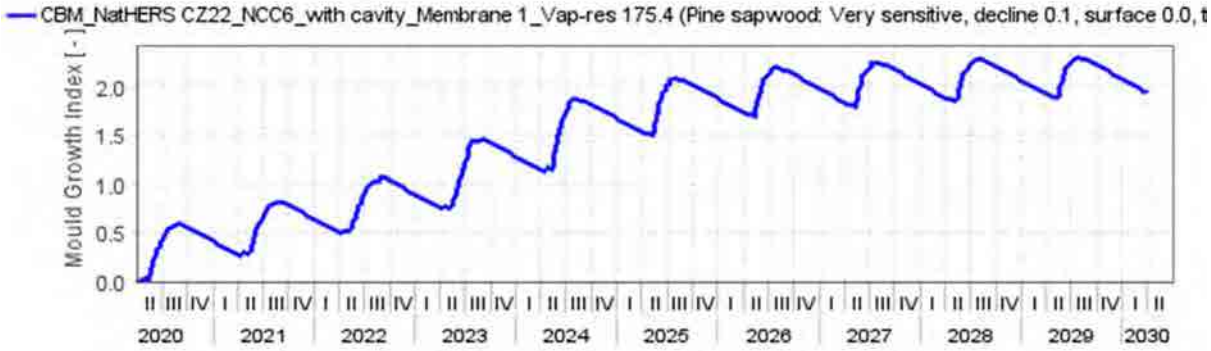

Figure 154: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

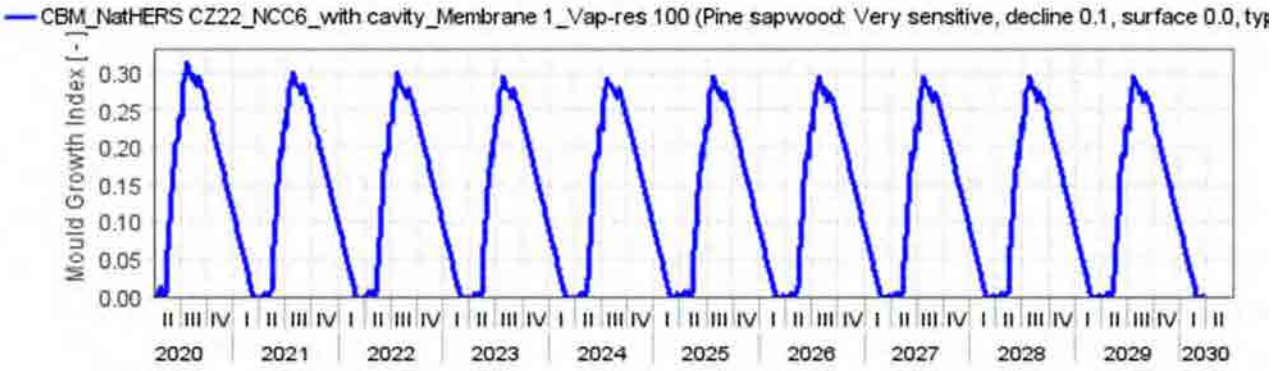

Figure 155 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

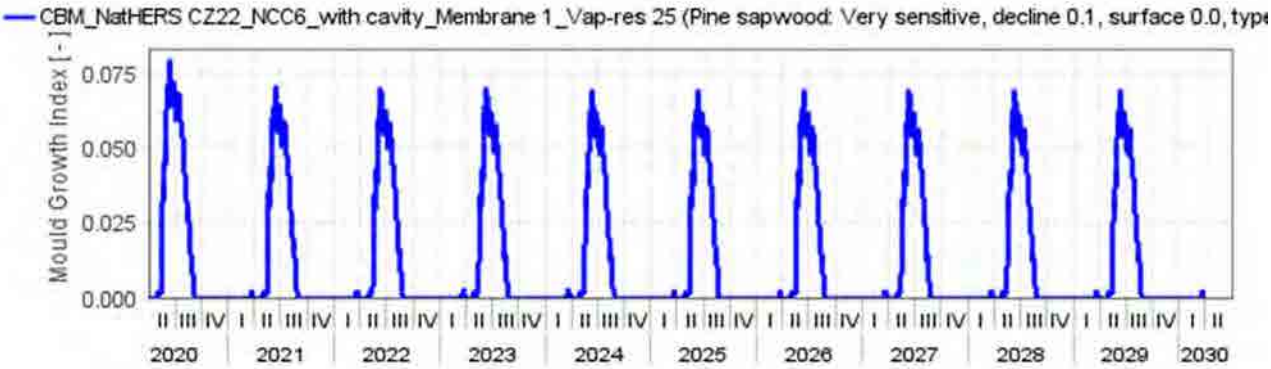

Figure 156 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

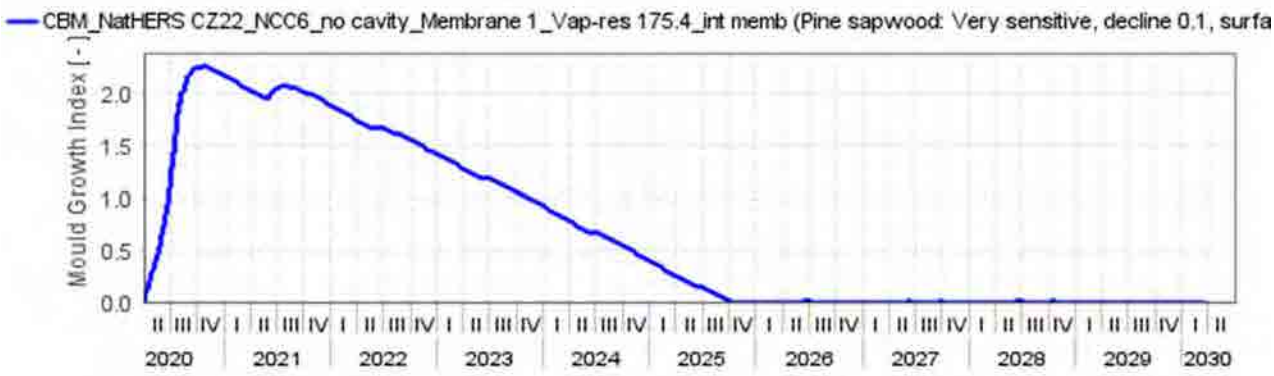

Figure 157 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

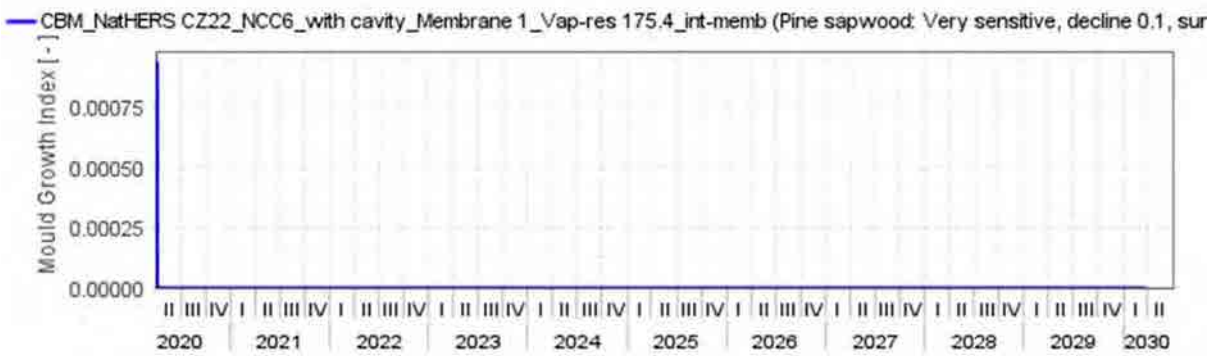

Figure 158 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

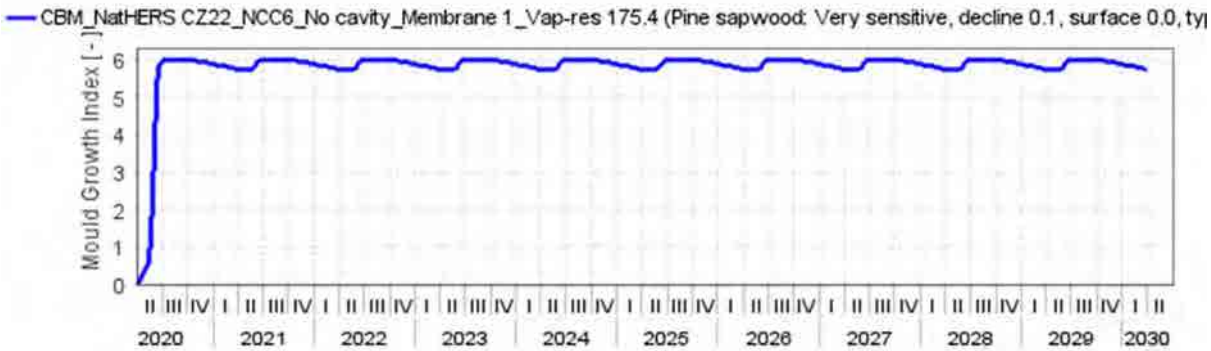

Figure 159: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

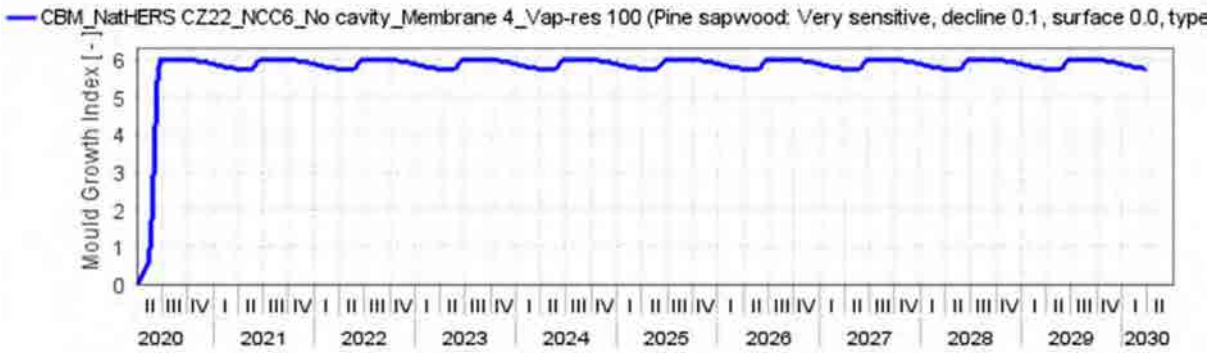

Figure 160 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

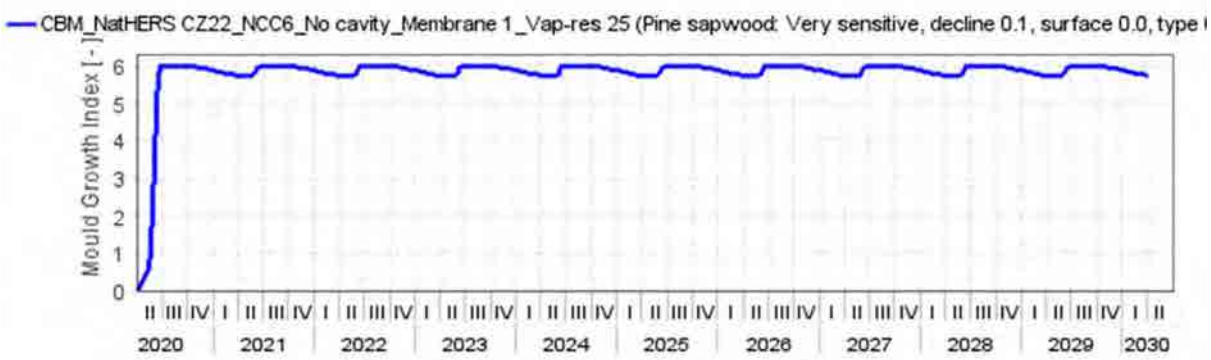

Figure 161: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

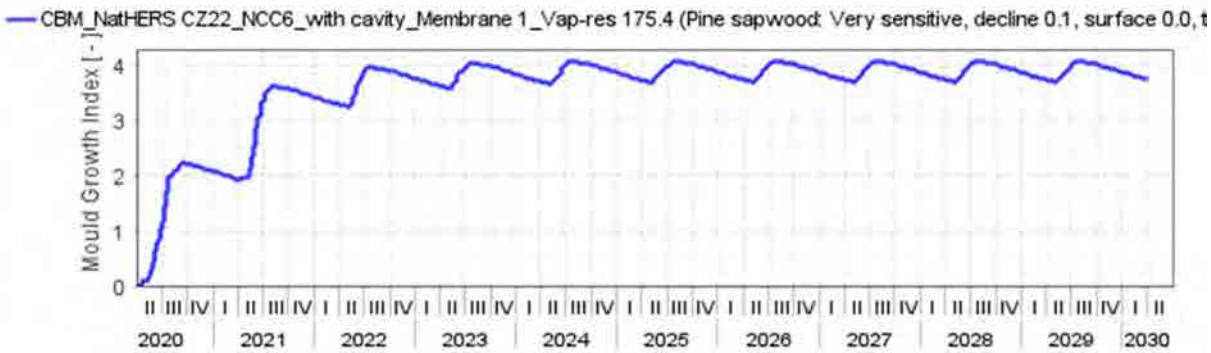

Figure 162: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 163 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

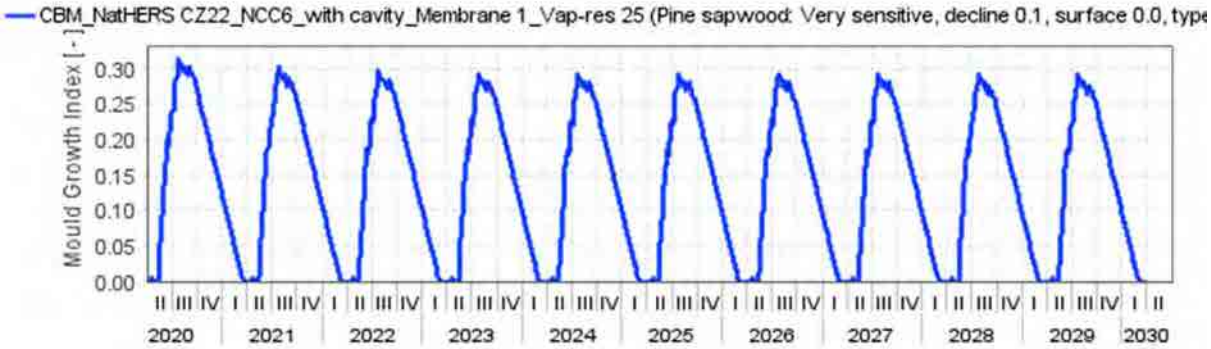

Figure 164 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – - The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

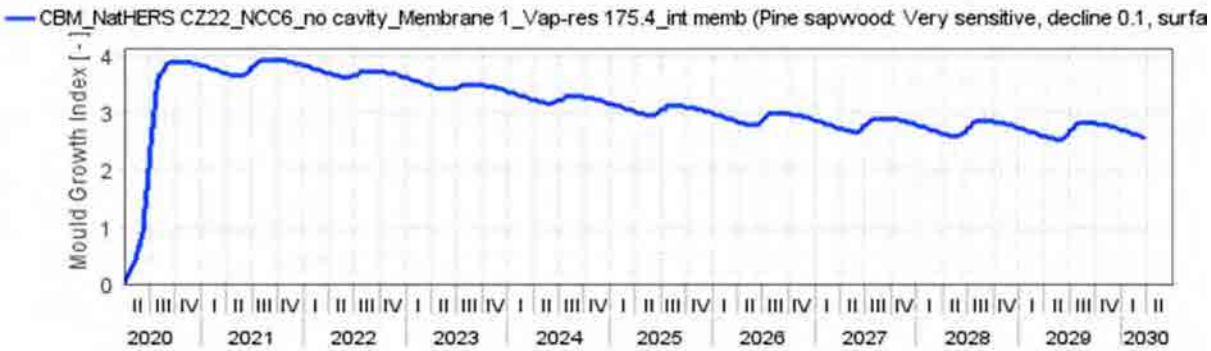

Figure 165: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

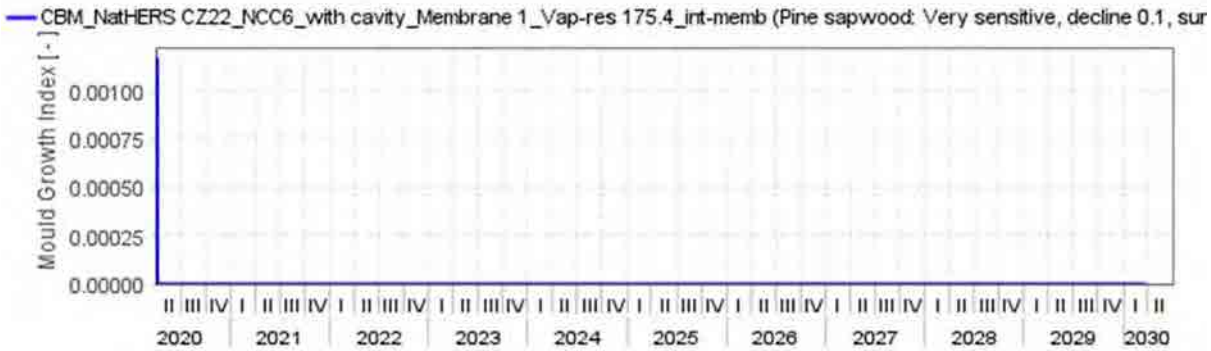

Figure 166: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

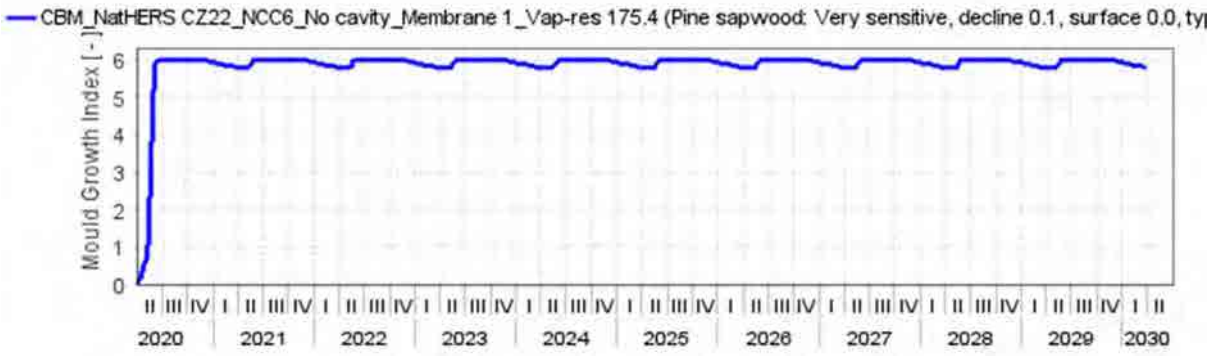

Figure 167: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

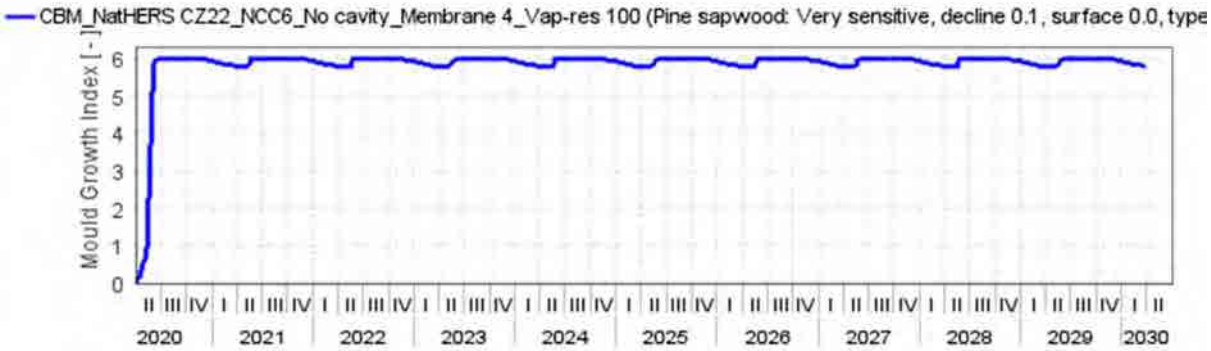

Figure 168 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

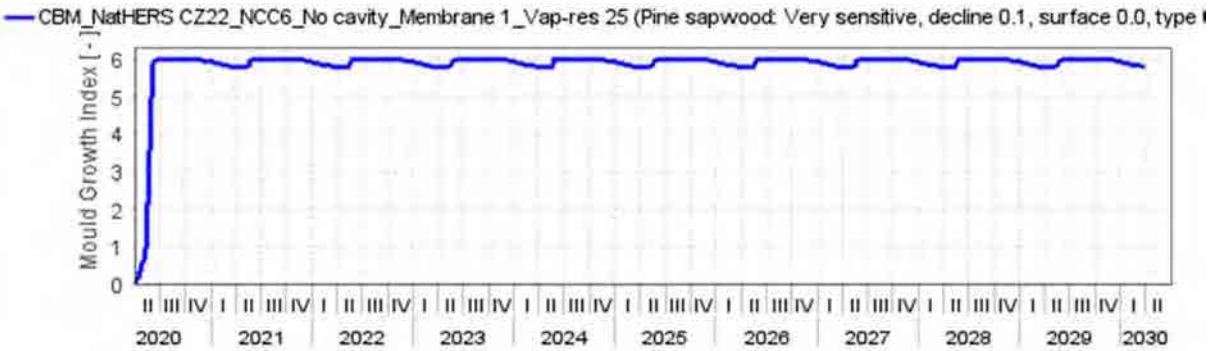

Figure 169: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

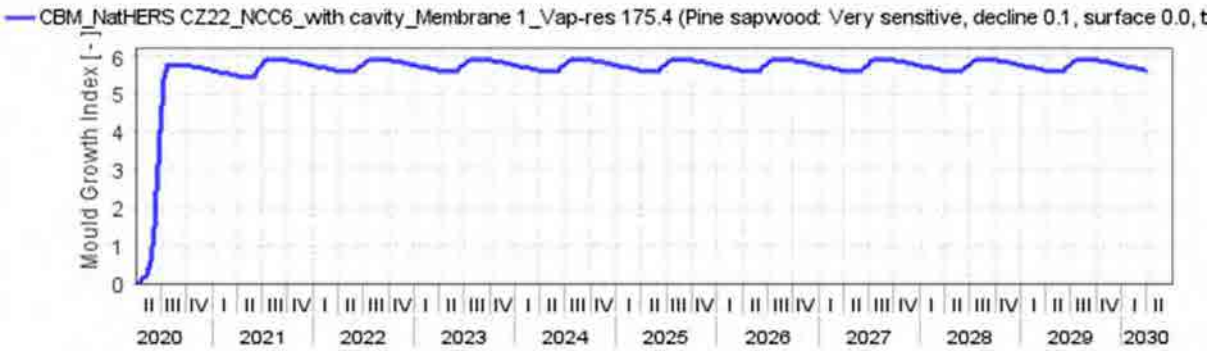

Figure 170: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

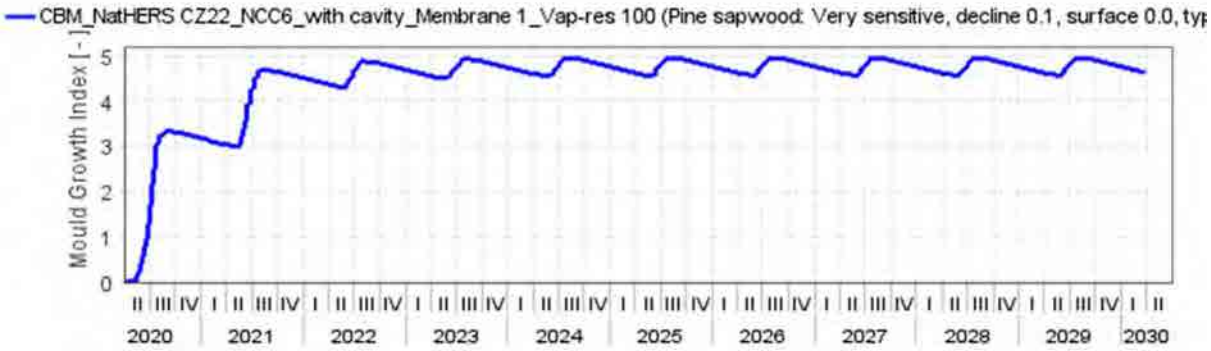

Figure 171 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

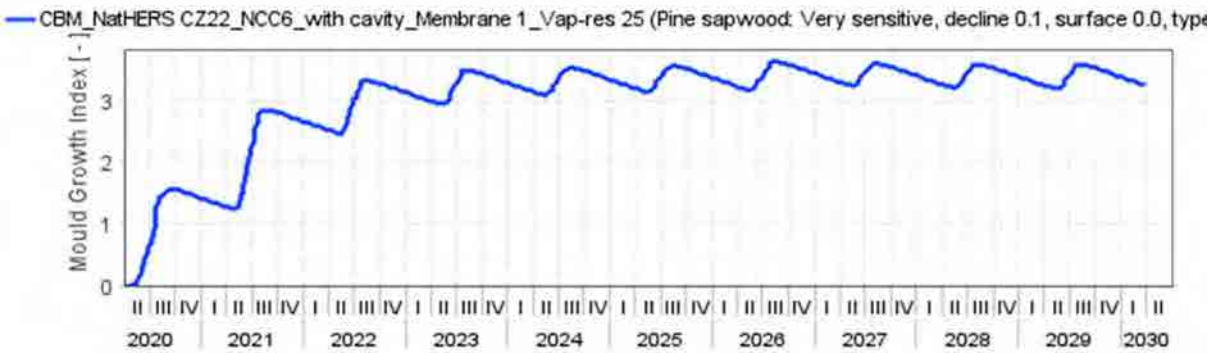

Figure 172 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

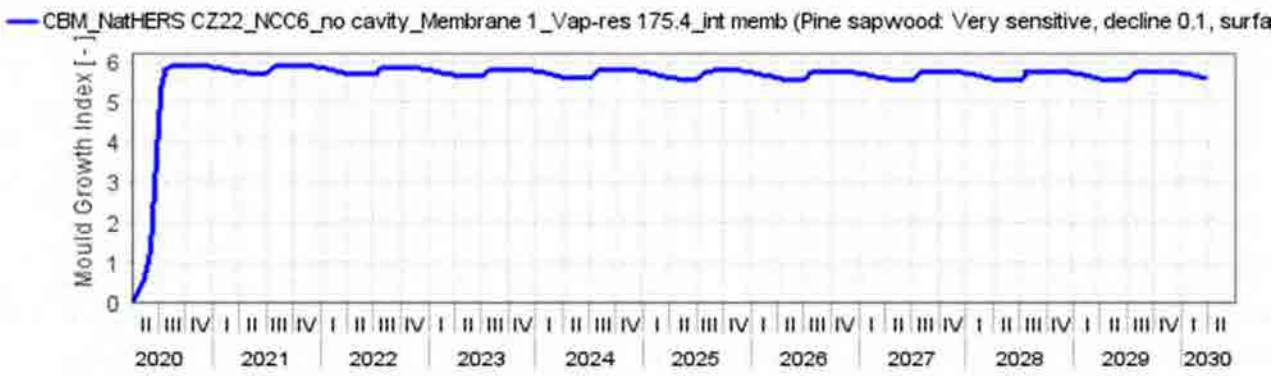

Figure 173 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

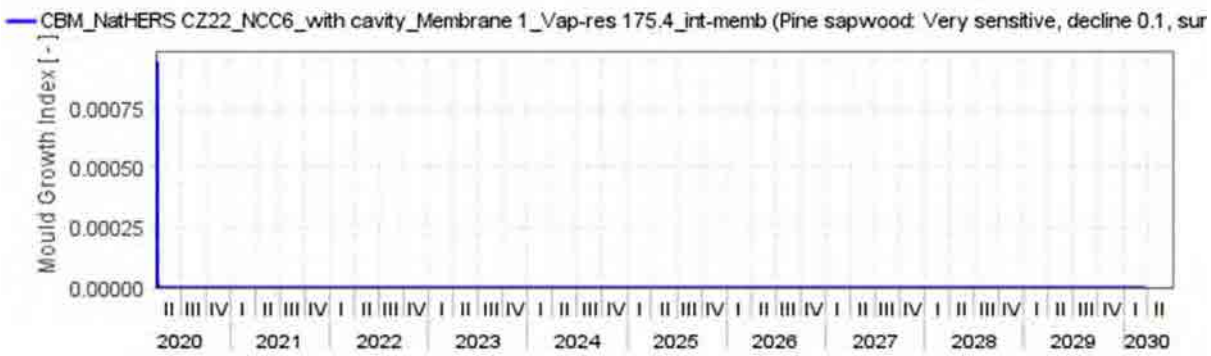

Figure 174 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

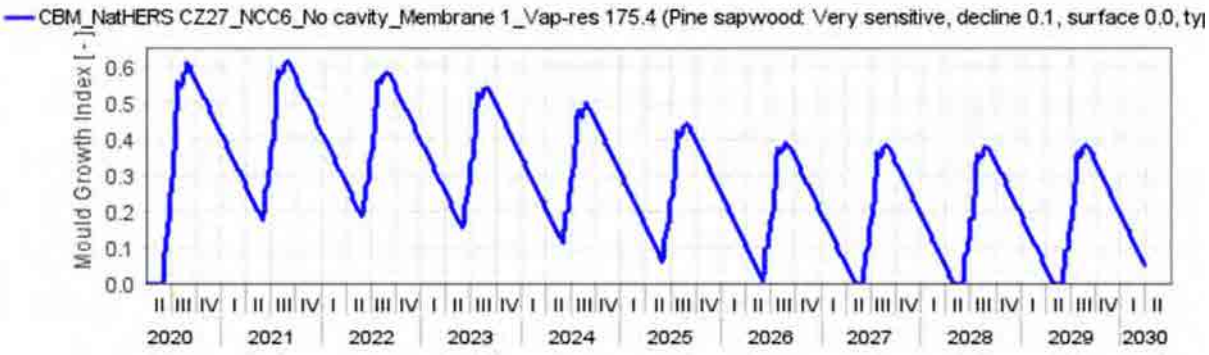

Figure 175: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

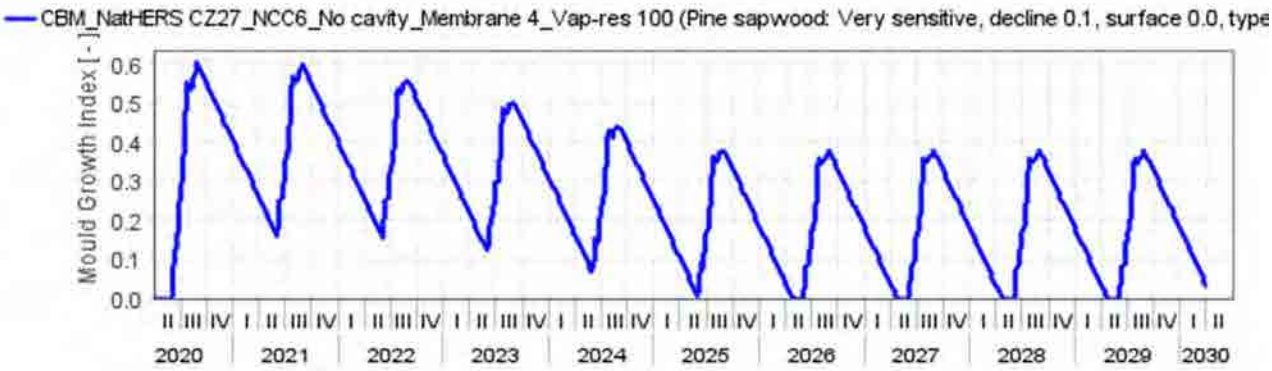

Figure 176 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

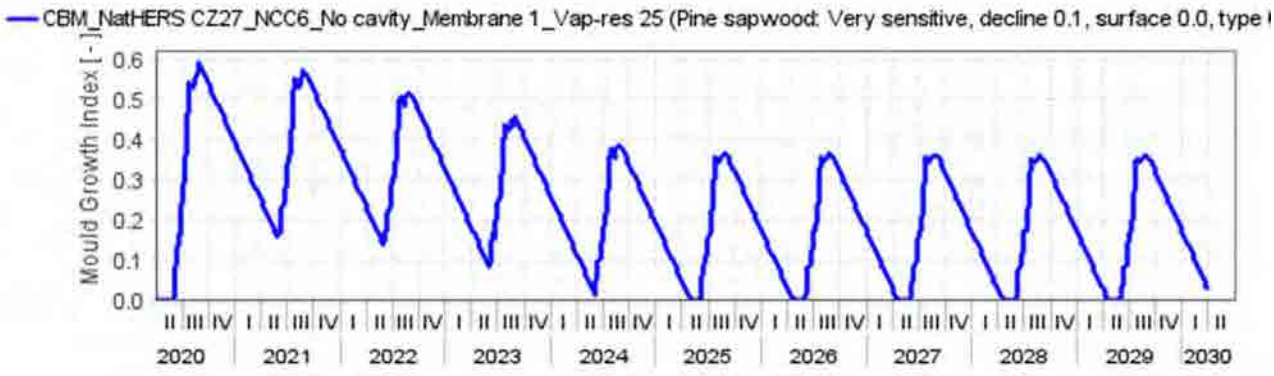

Figure 177: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

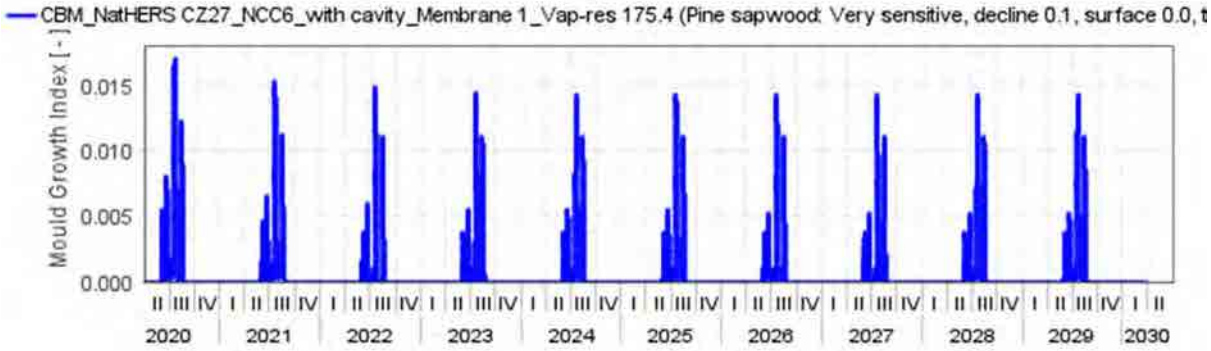

Figure 178: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

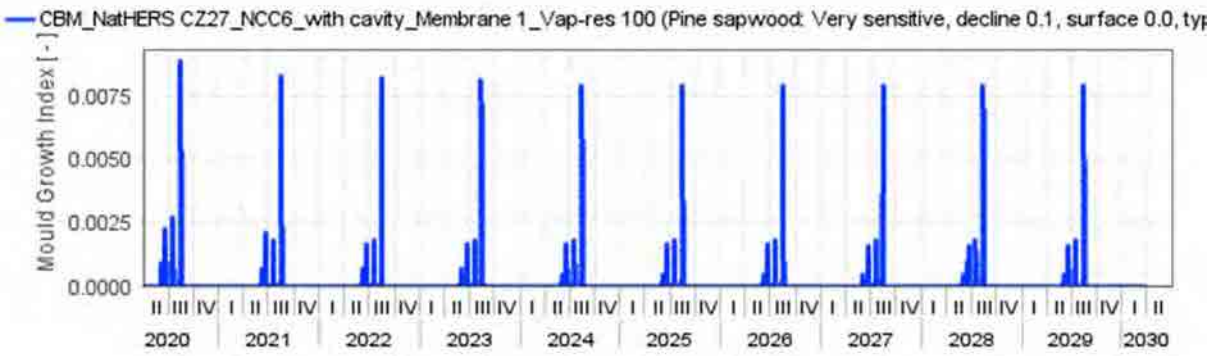

Figure 179 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

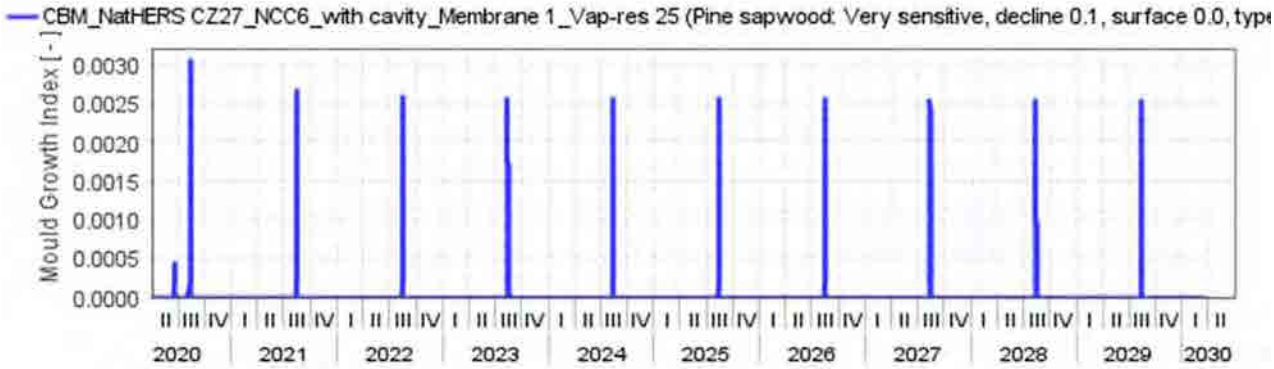

Figure 180 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

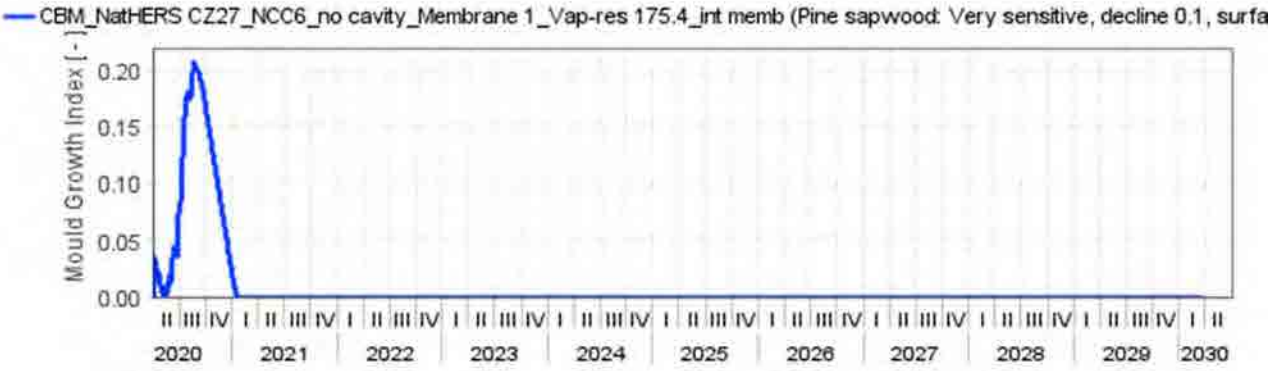

Figure 181 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

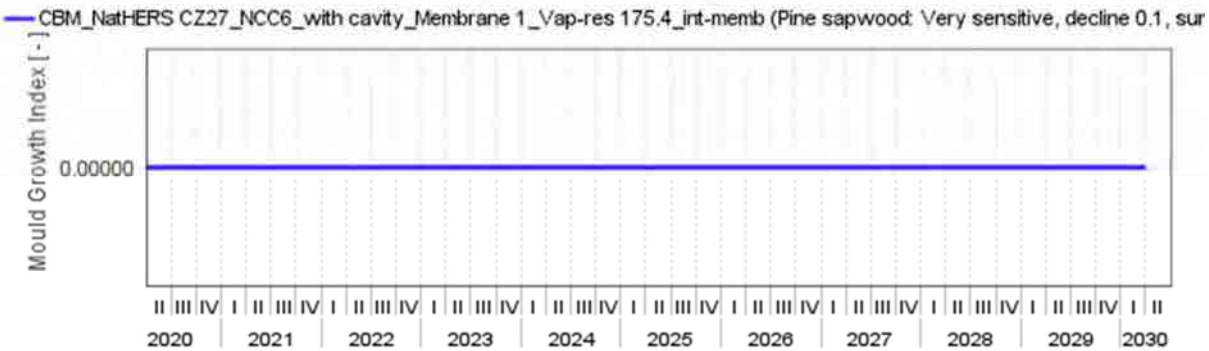

Figure 182 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

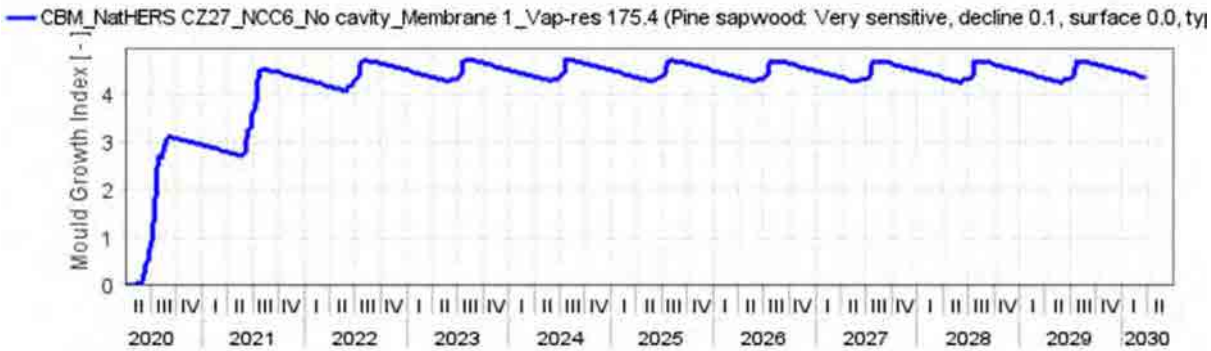

Figure 183: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

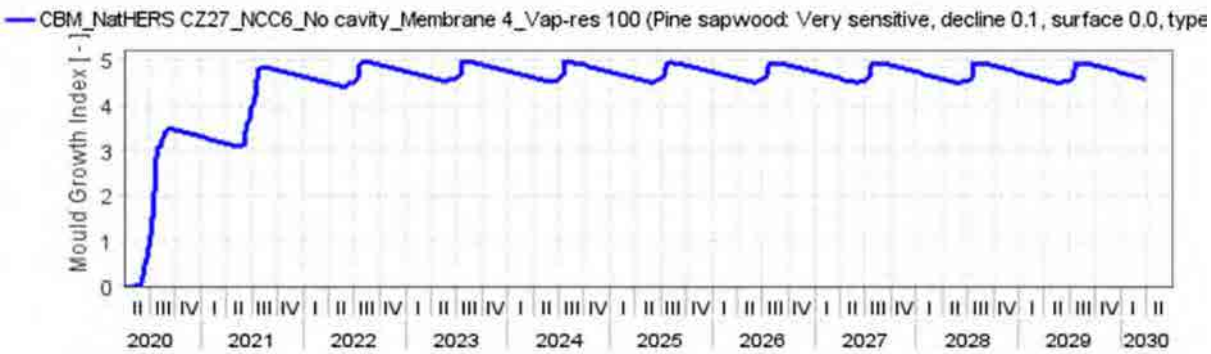

Figure 184 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

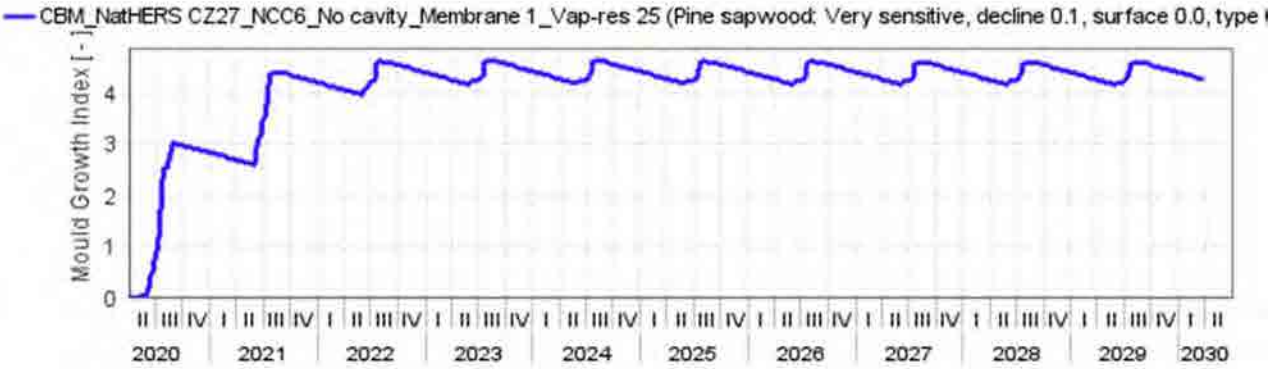

Figure 185: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

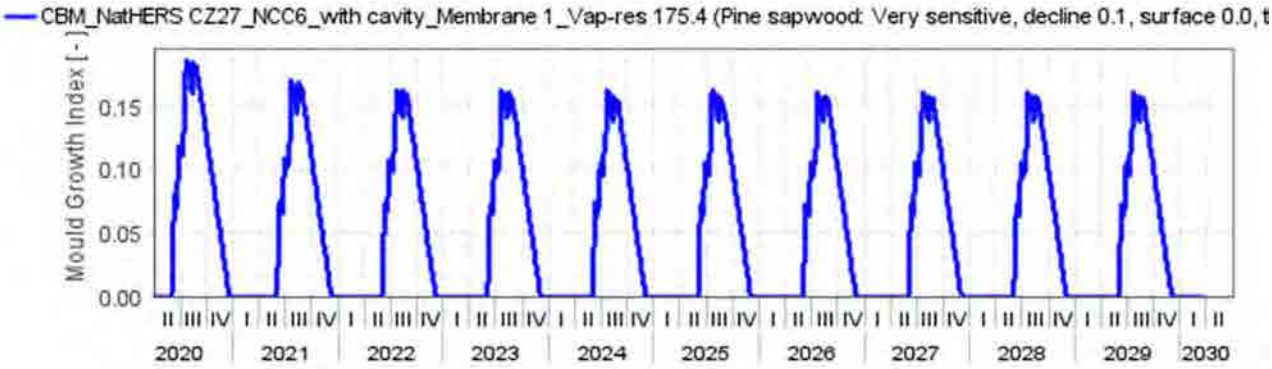

Figure 186: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

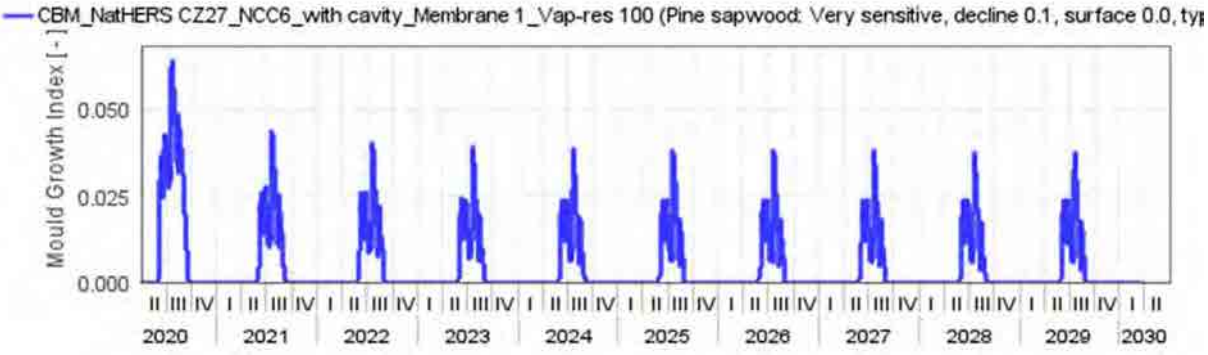

Figure 187 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

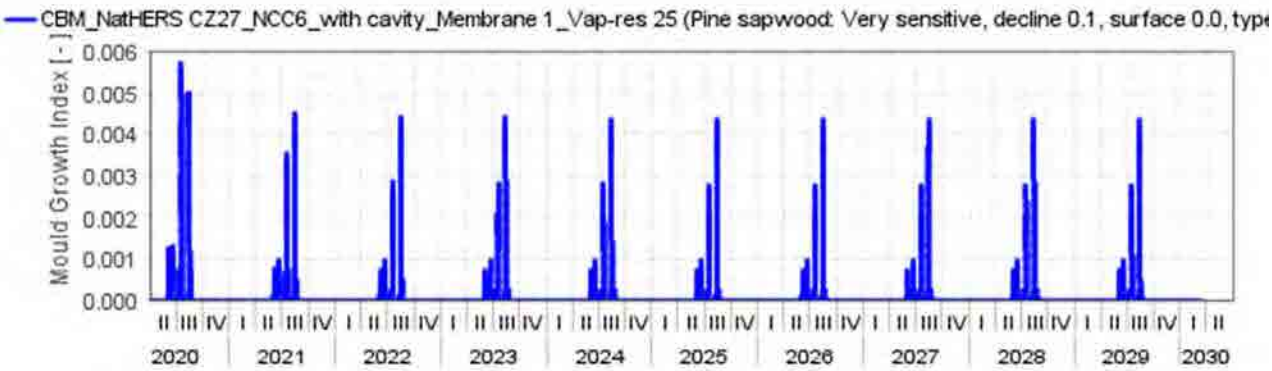

Figure 188 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

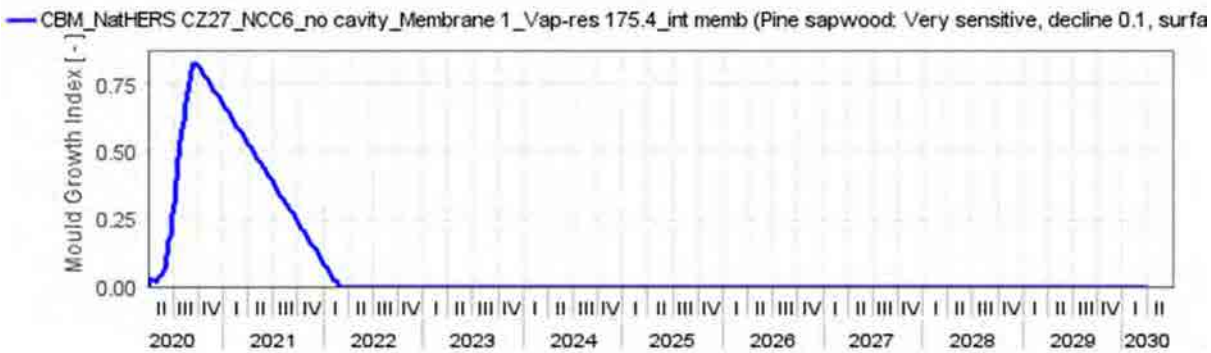

Figure 189 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

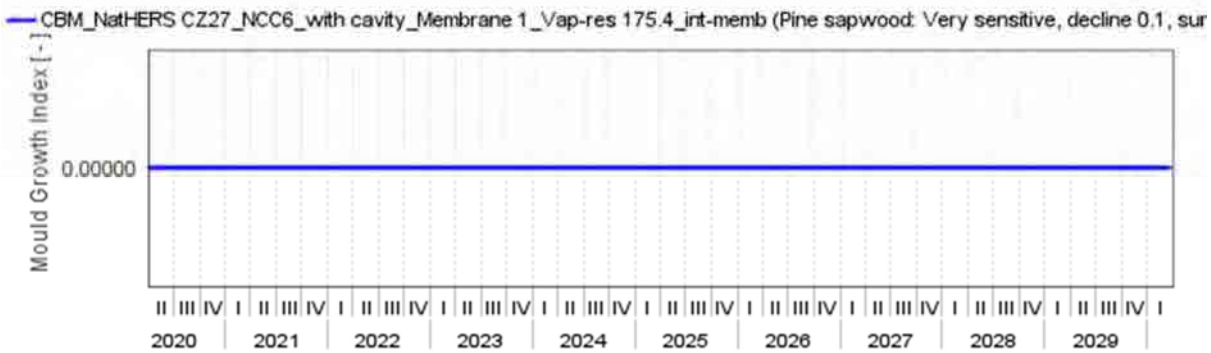

Figure 190 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

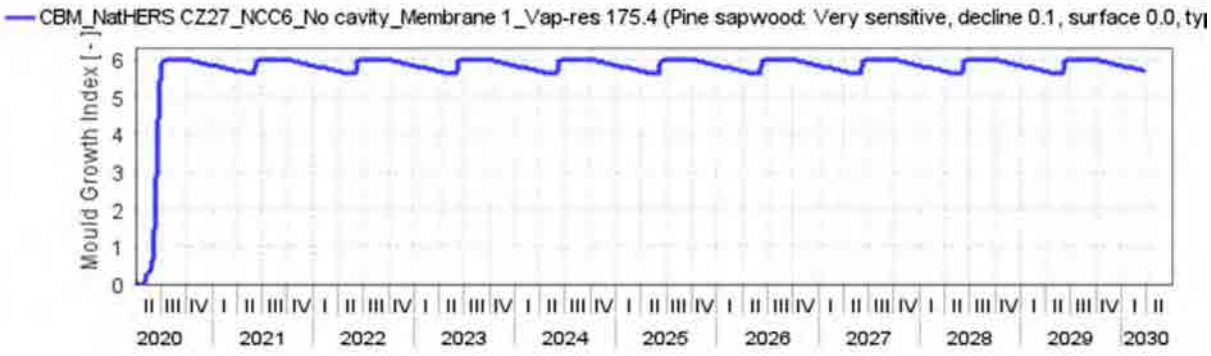

Figure 191: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

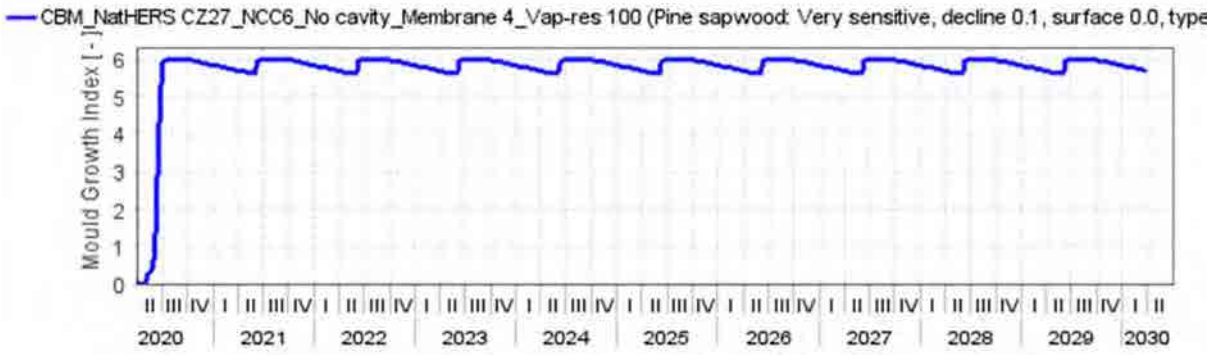

Figure 192 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

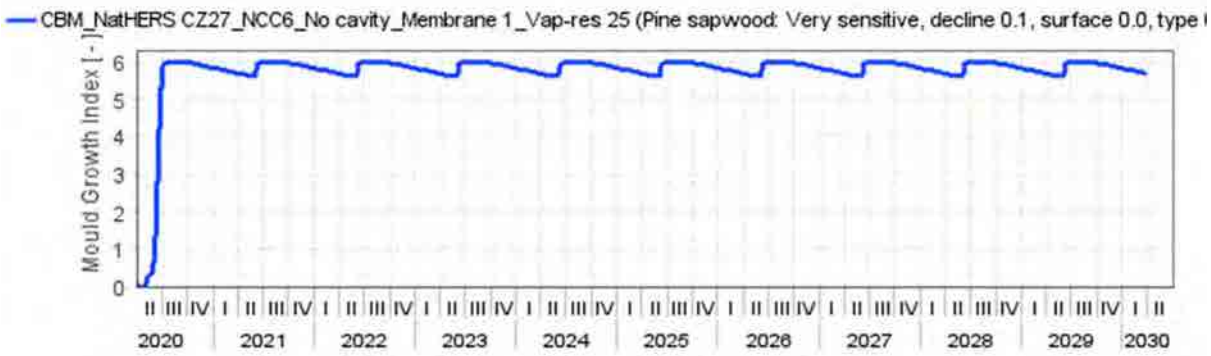

Figure 193: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

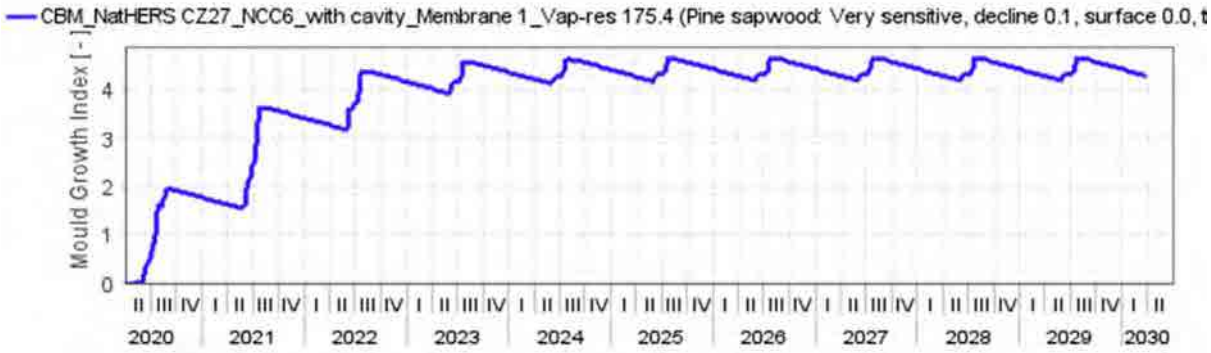

Figure 194: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 195 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

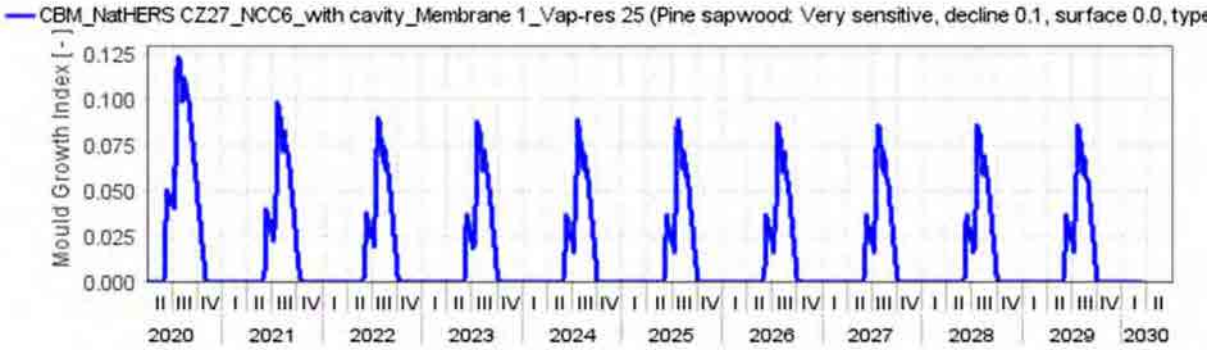

Figure 196 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

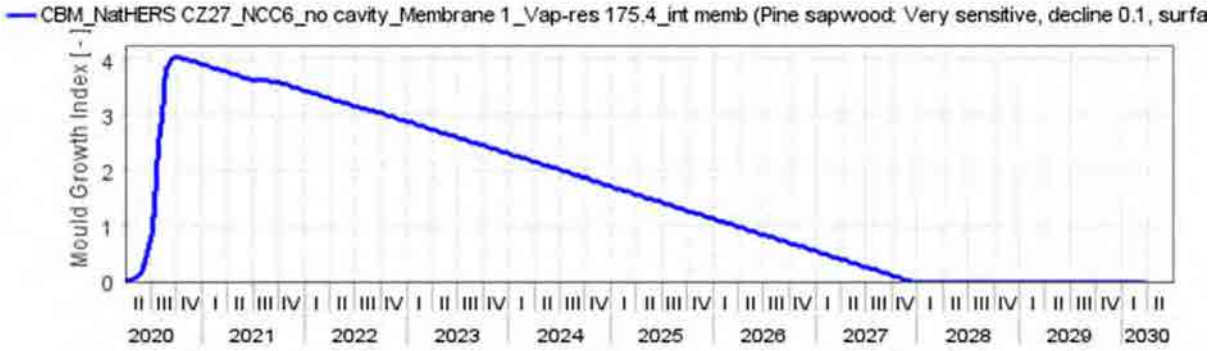

Figure 197 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

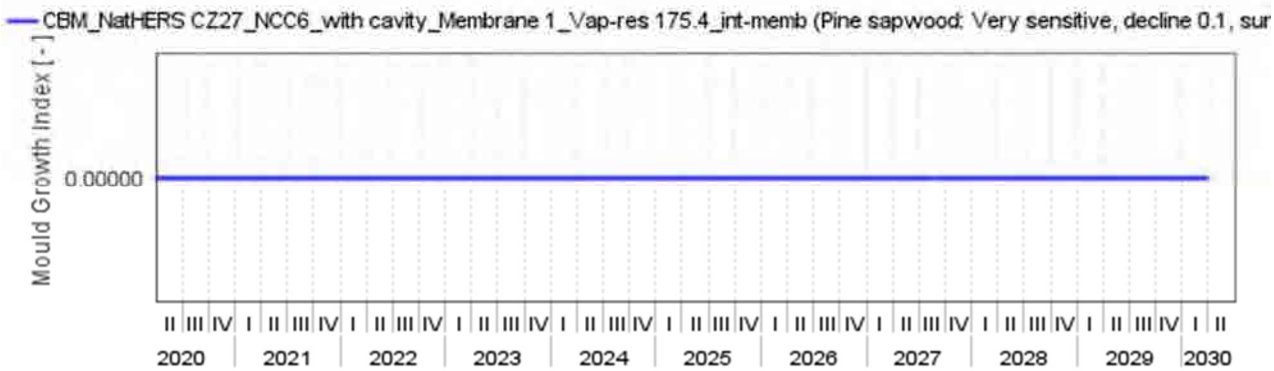

Figure 198 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

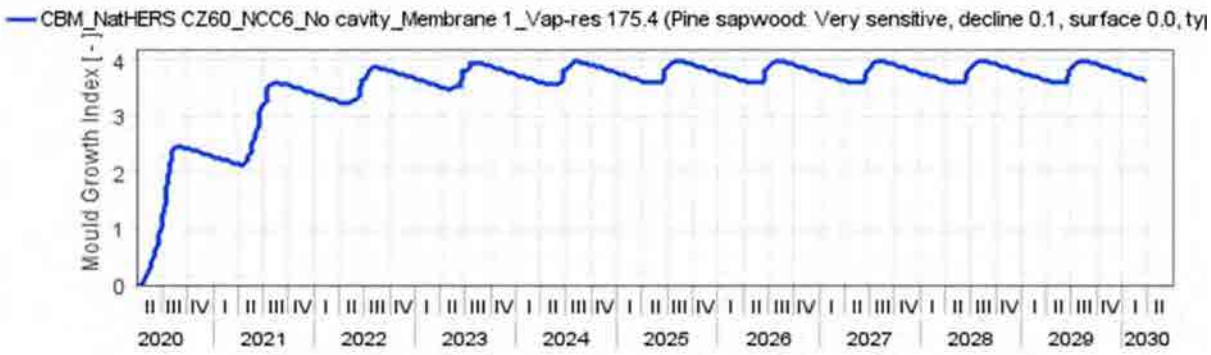

Figure 199: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

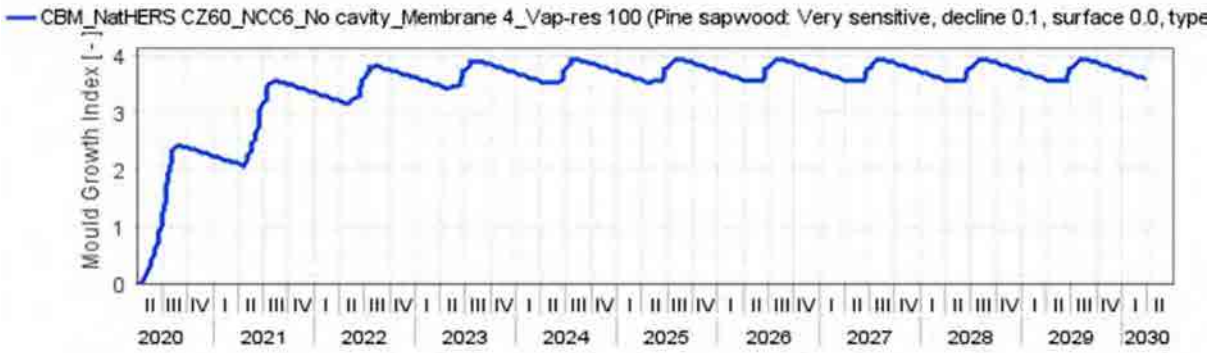

Figure 200 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

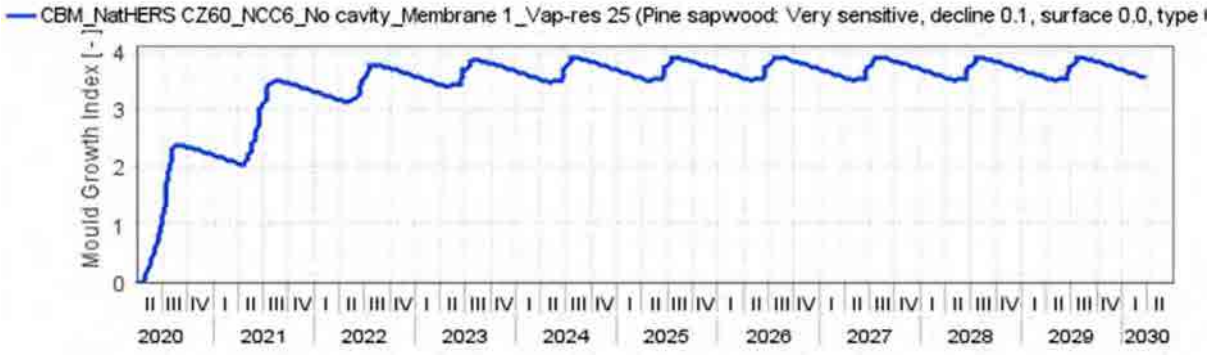

Figure 201: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

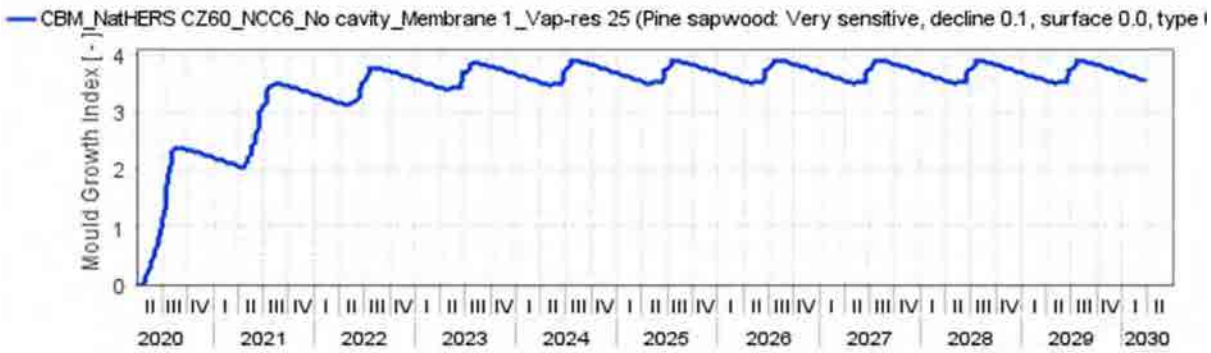

Figure 202: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

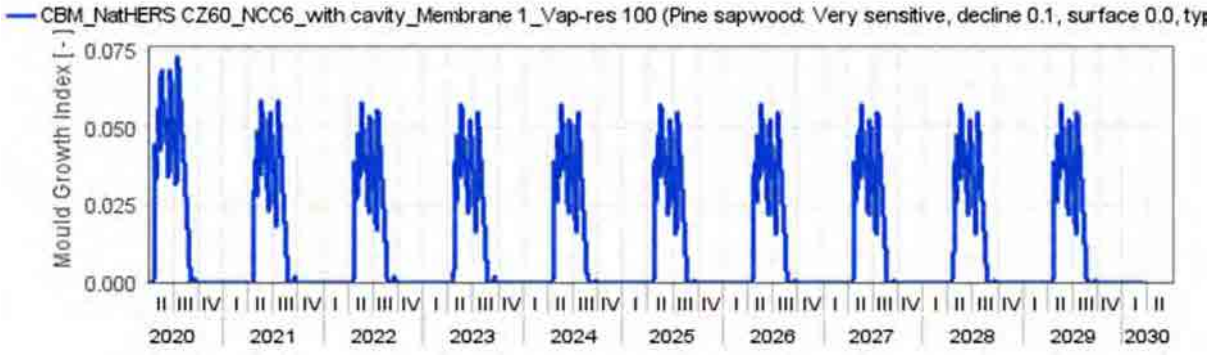

Figure 203 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

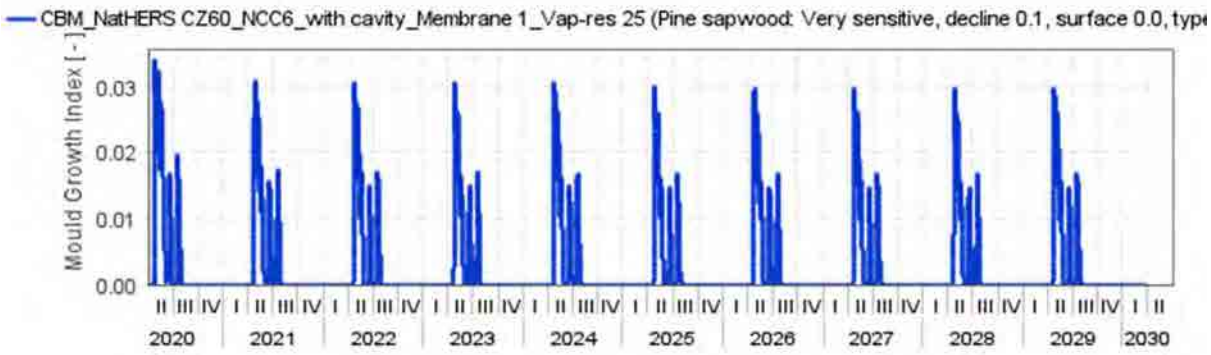

Figure 204 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

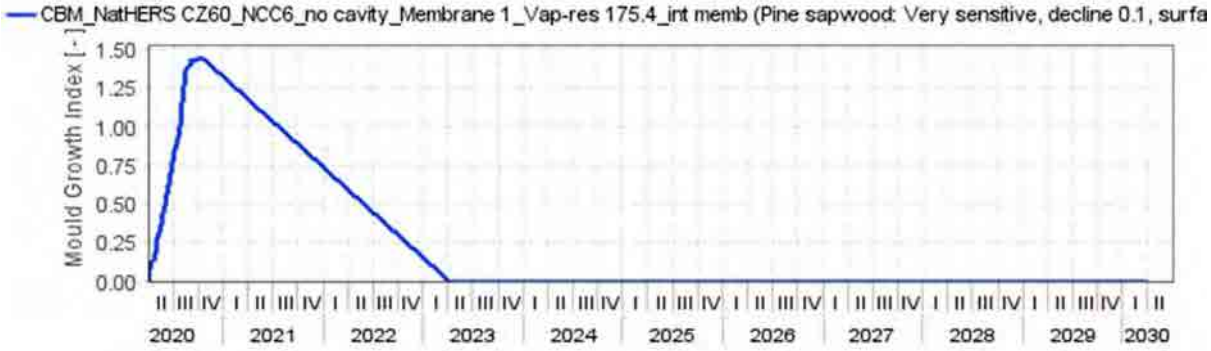

Figure 205 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

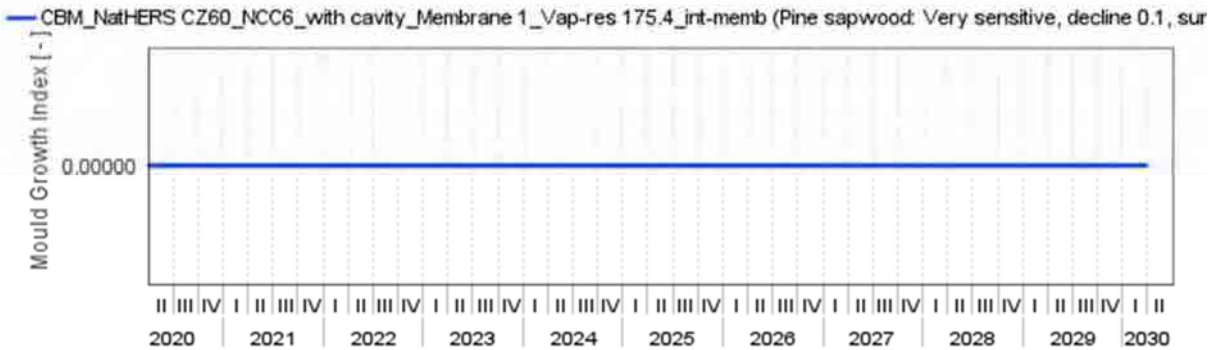

Figure 206 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 207: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 208 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

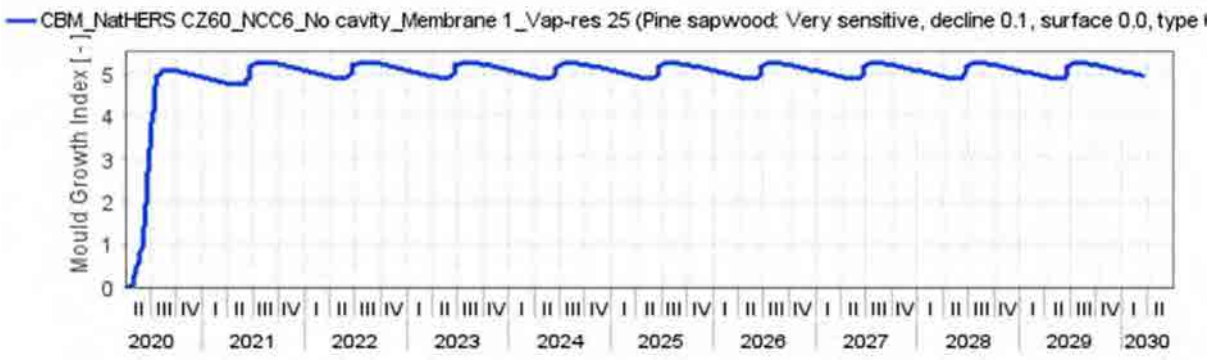

Figure 209: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

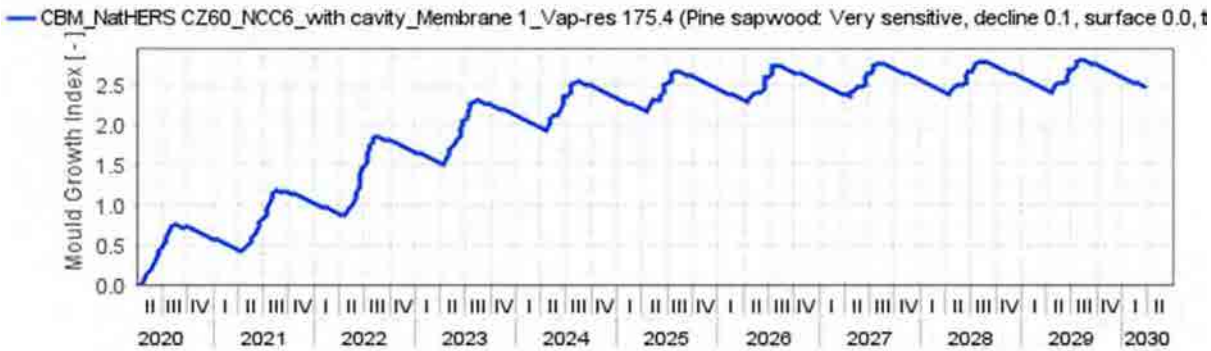

Figure 210: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

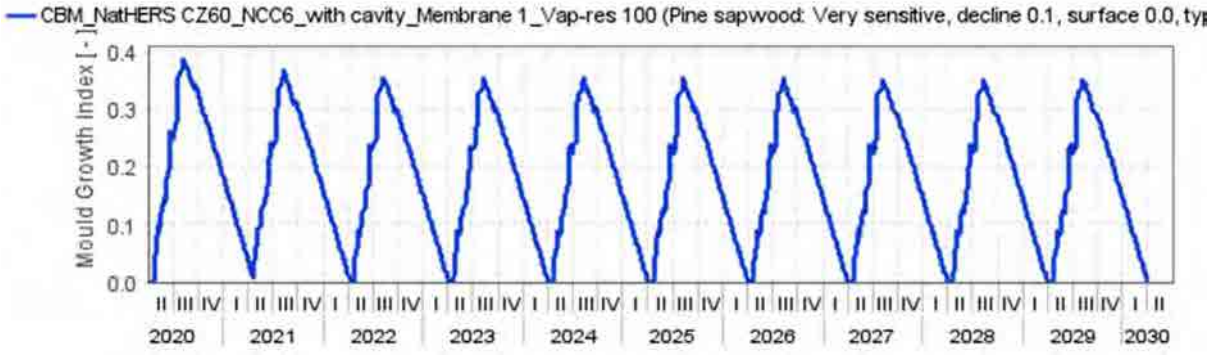

Figure 211 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

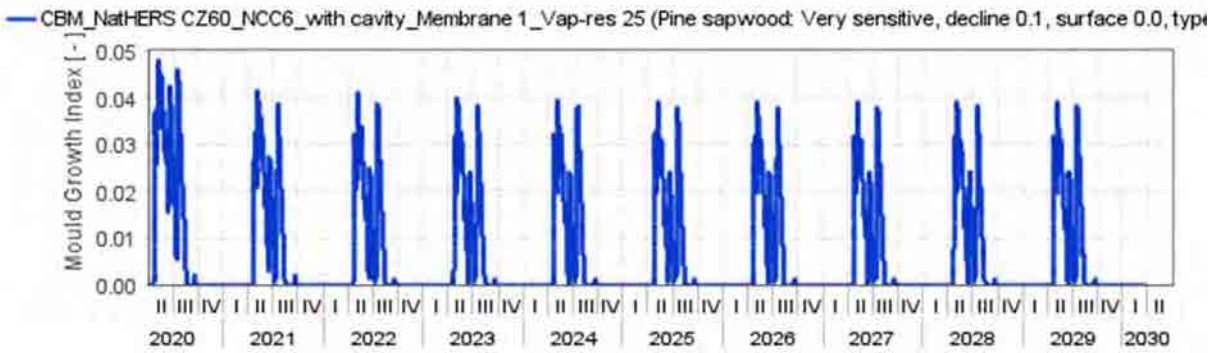

Figure 212 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

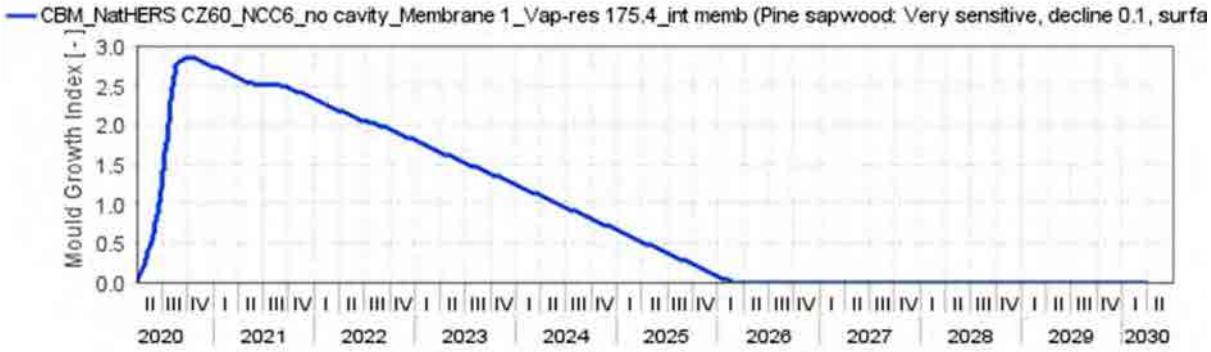

Figure 213 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

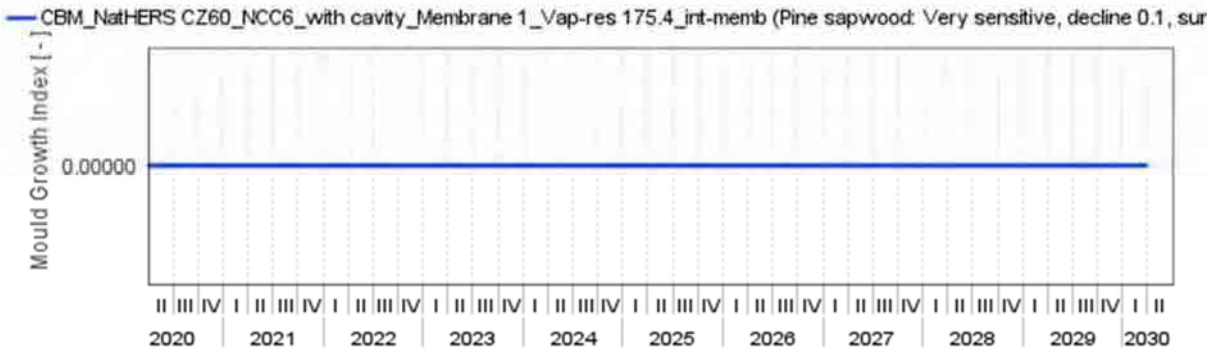

Figure 214 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

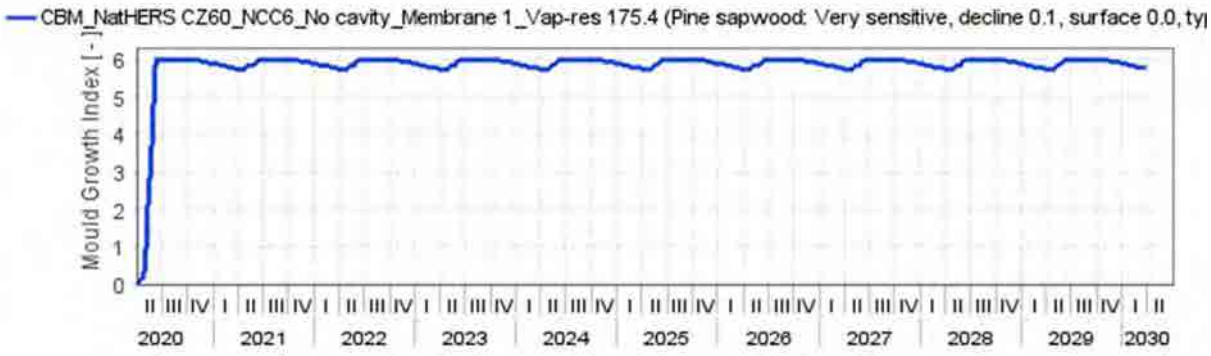

Figure 215: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

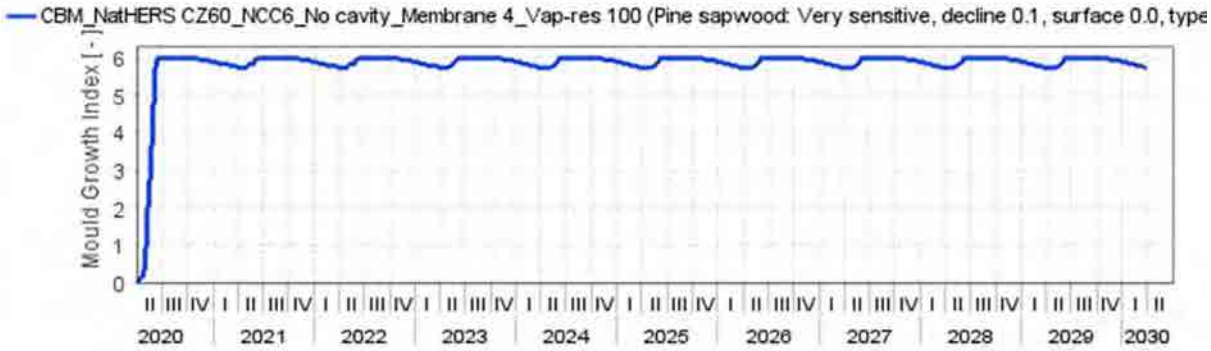

Figure 216 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

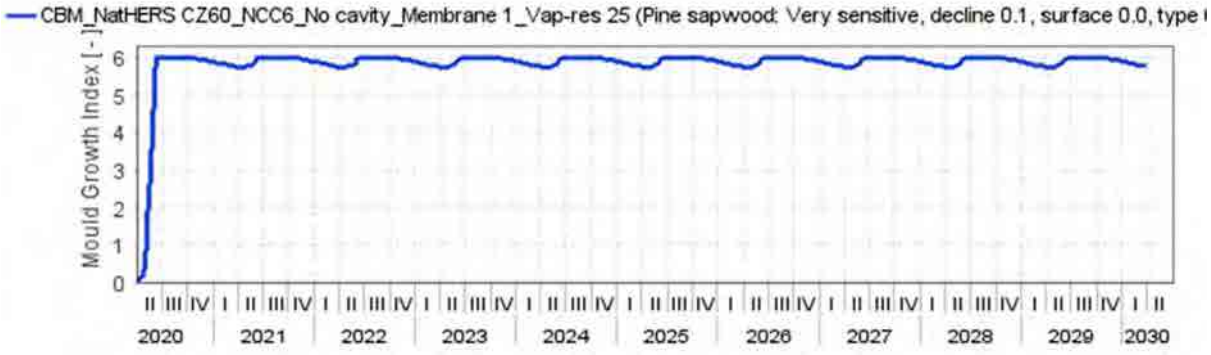

Figure 217: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

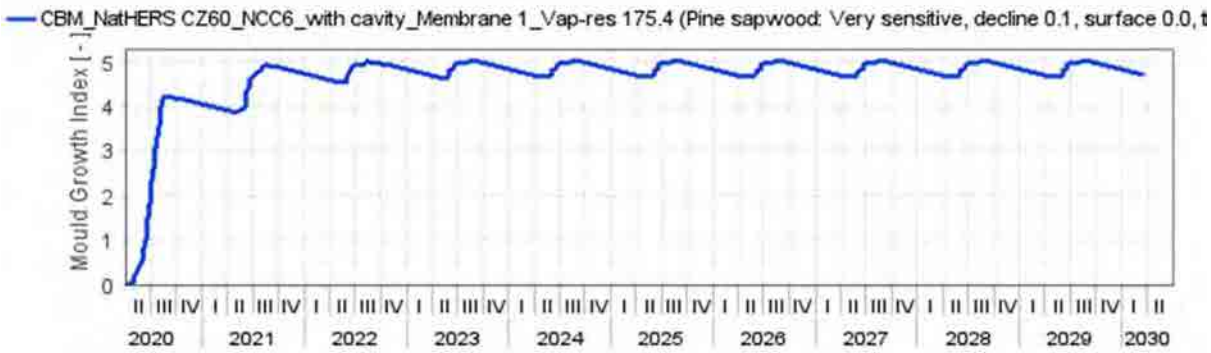

Figure 218: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

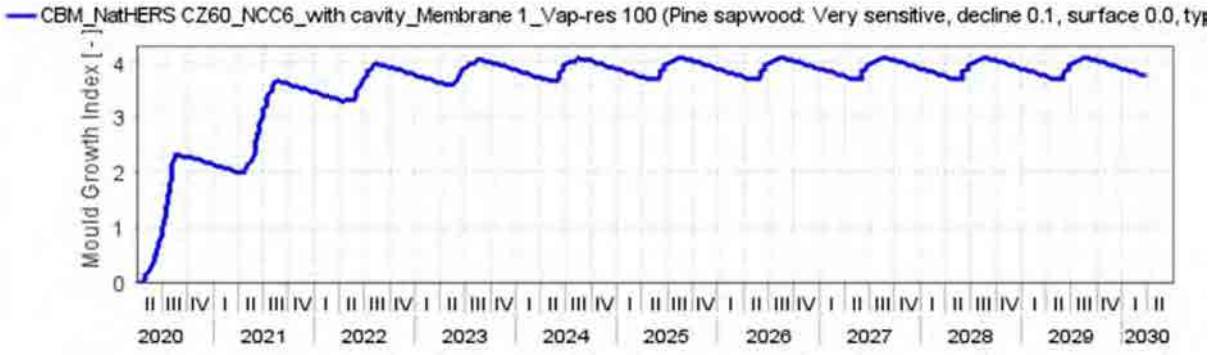

Figure 219 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

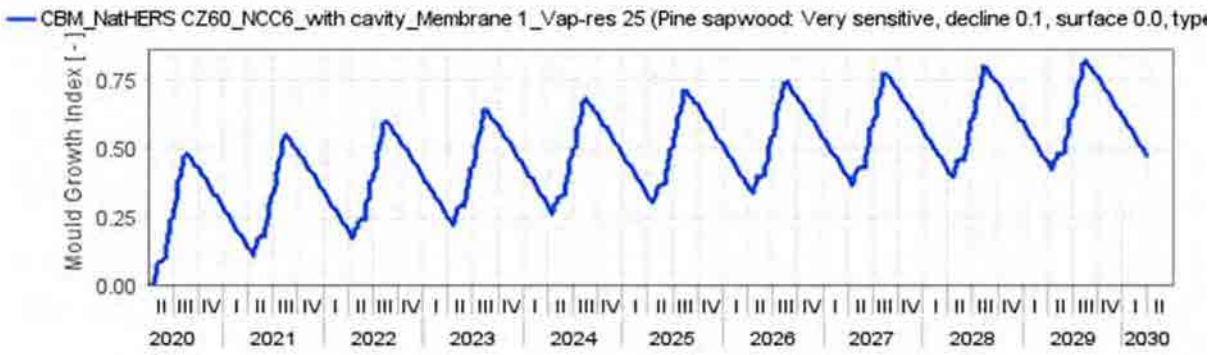

Figure 220 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

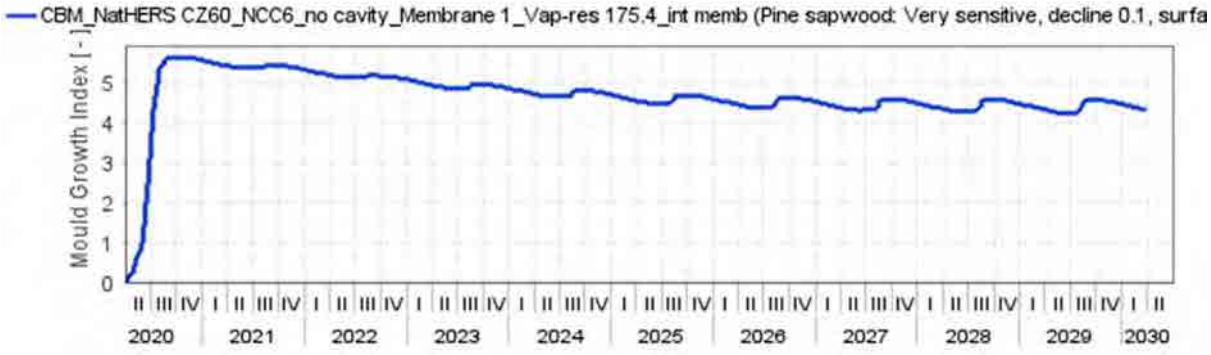

Figure 221 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

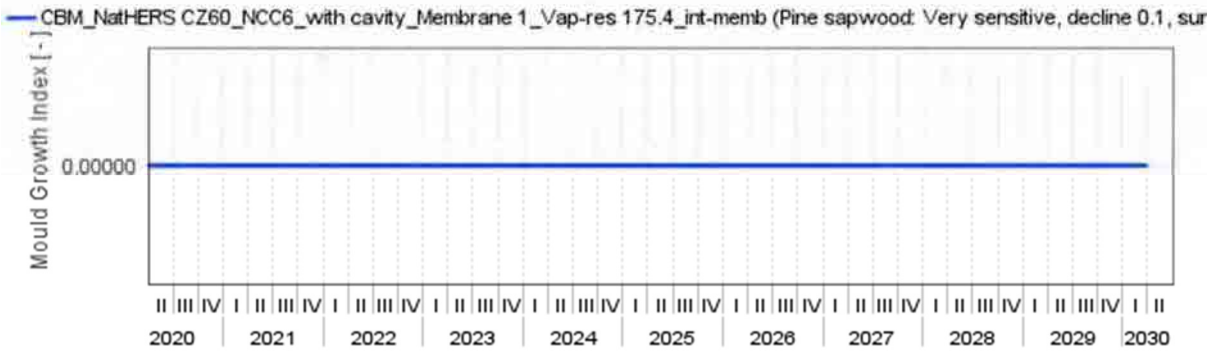

Figure 222 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

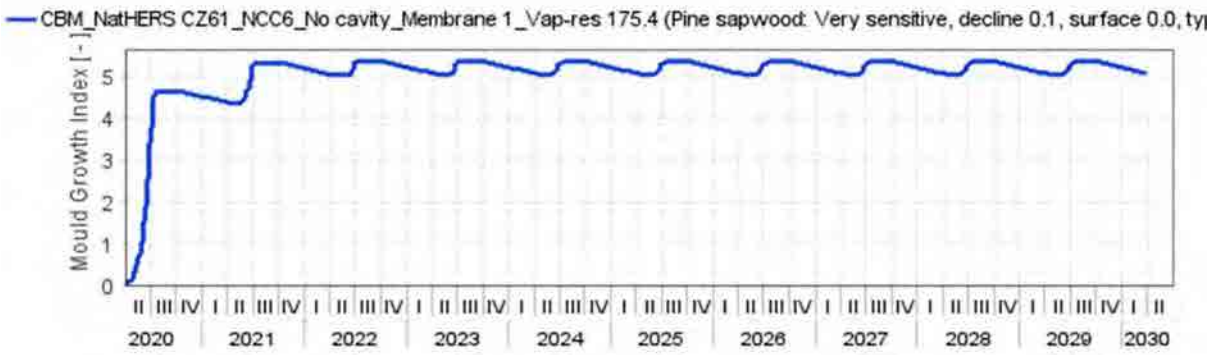

Figure 223: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

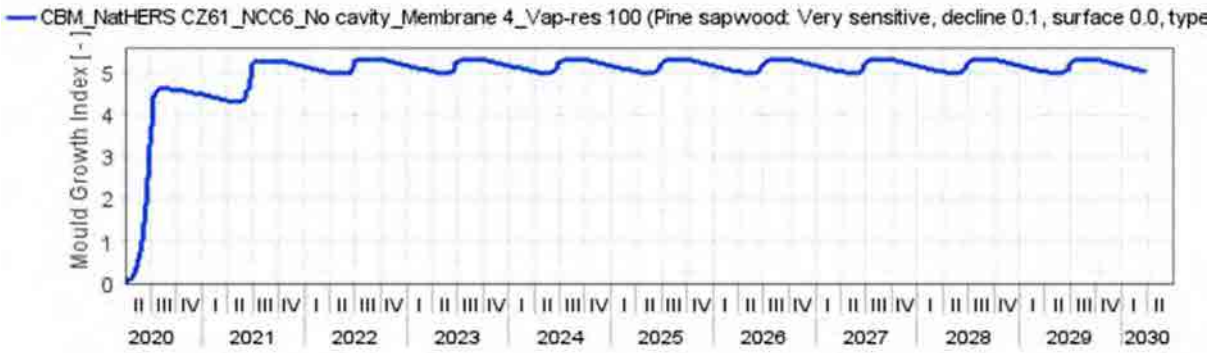

Figure 224 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

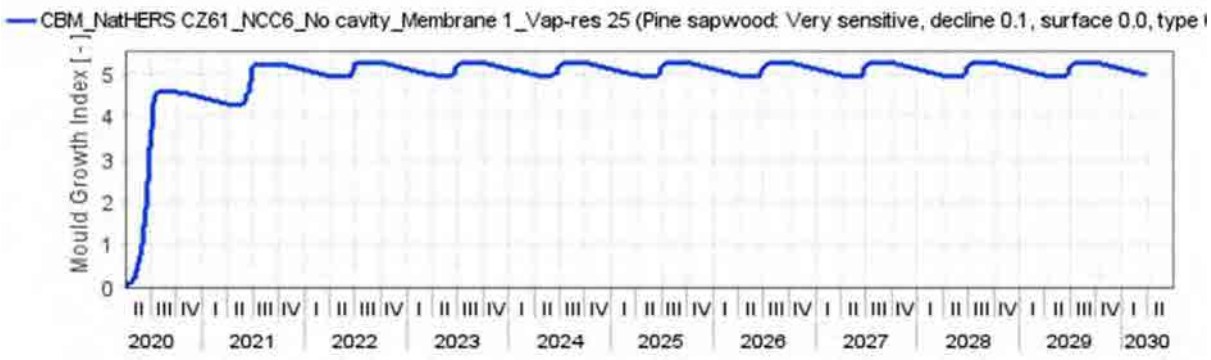

Figure 225: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

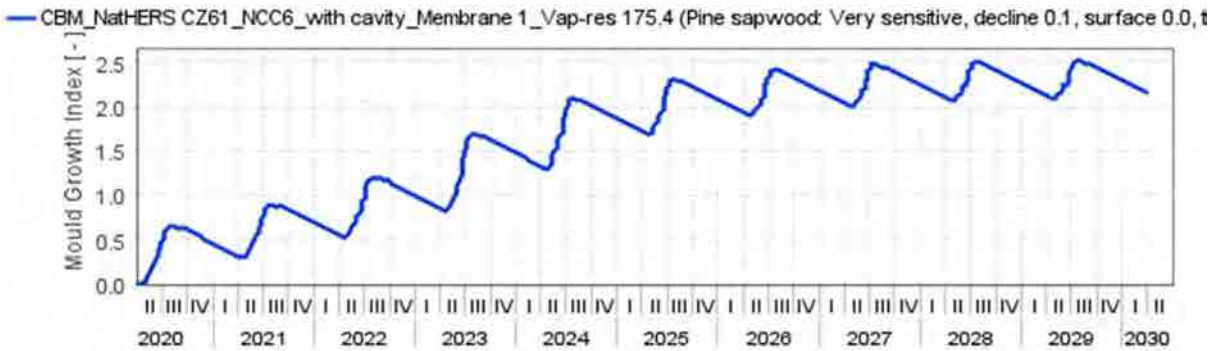

Figure 226: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

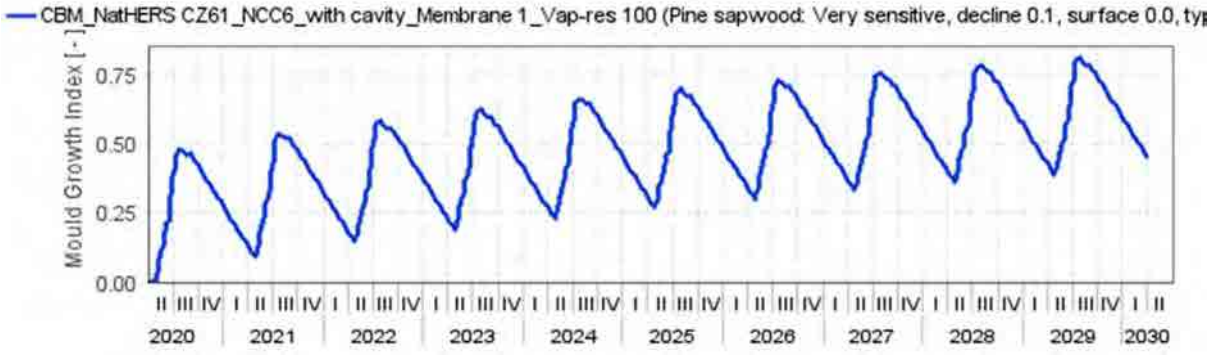

Figure 227 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

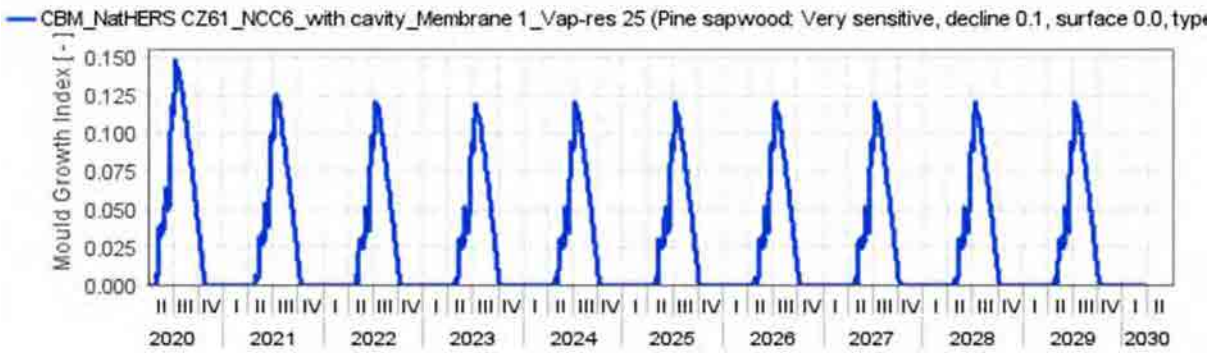

Figure 228 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

Figure 229 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

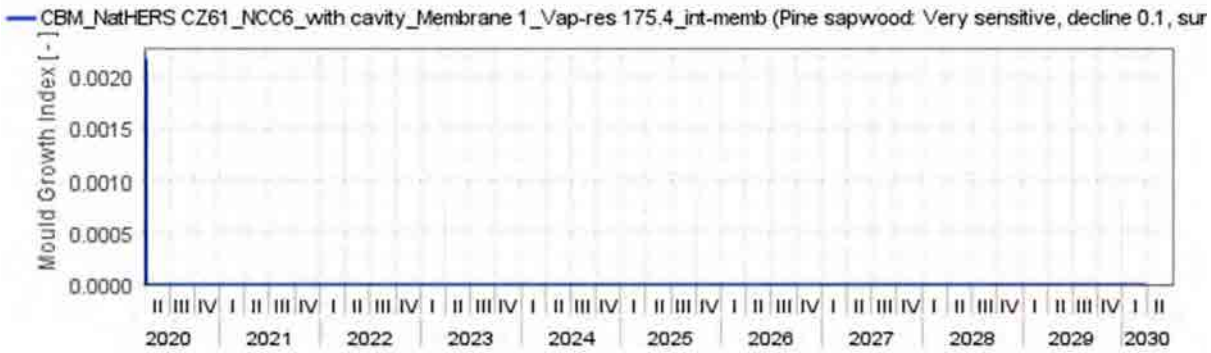

Figure 230 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

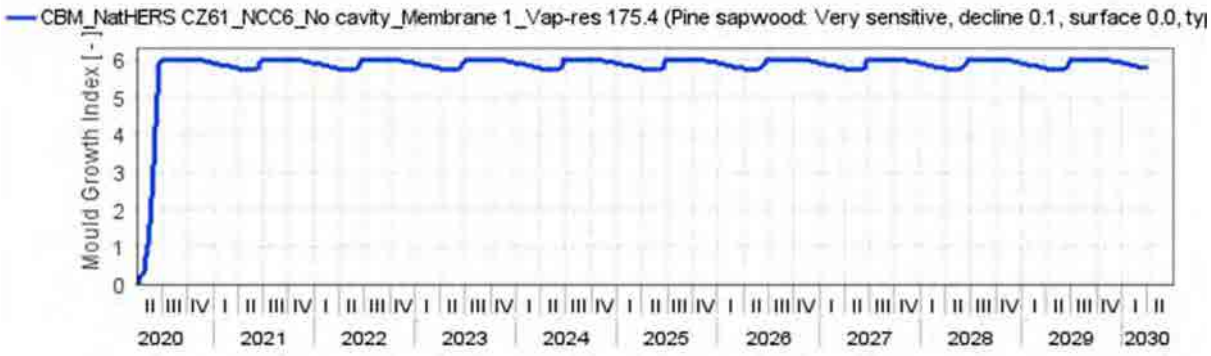

Figure 231: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

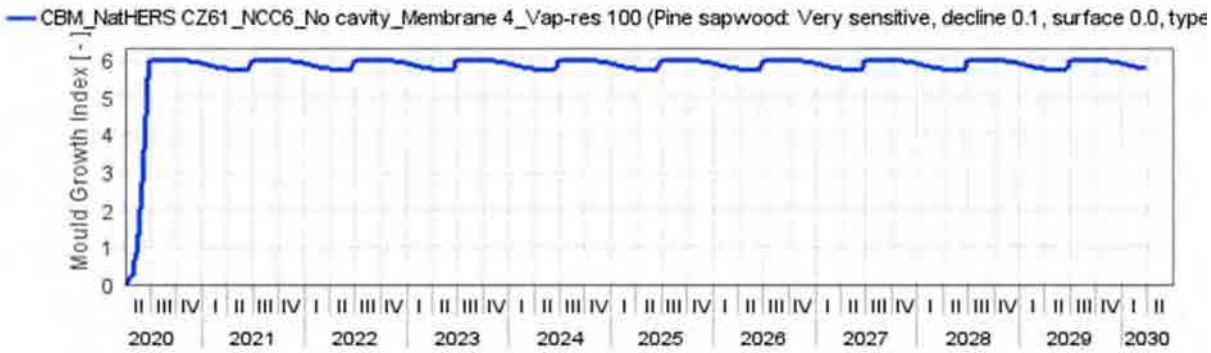

Figure 232 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

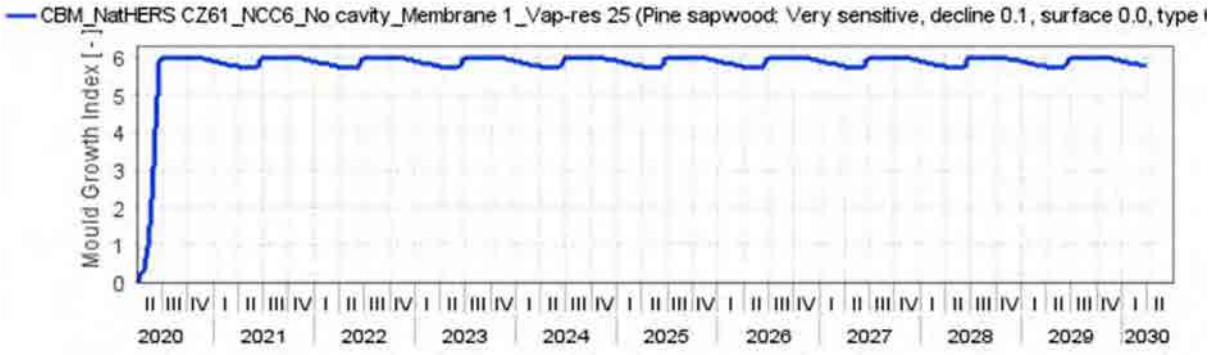

Figure 233: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

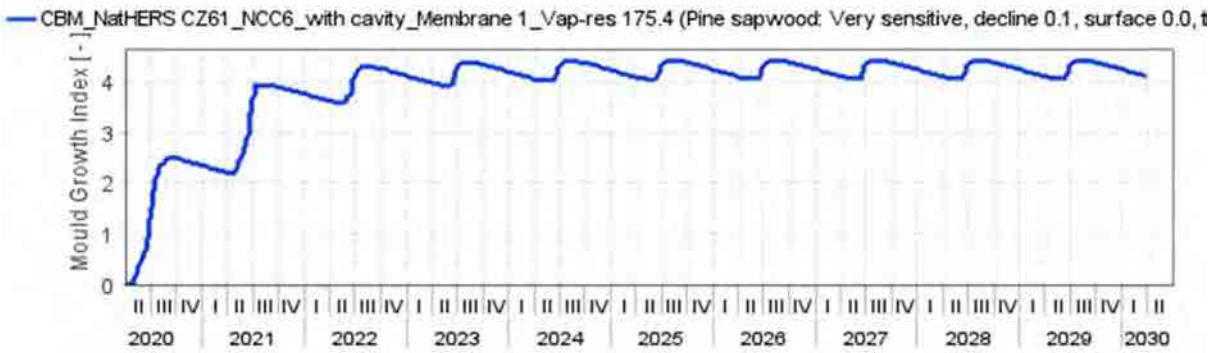

Figure 234: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

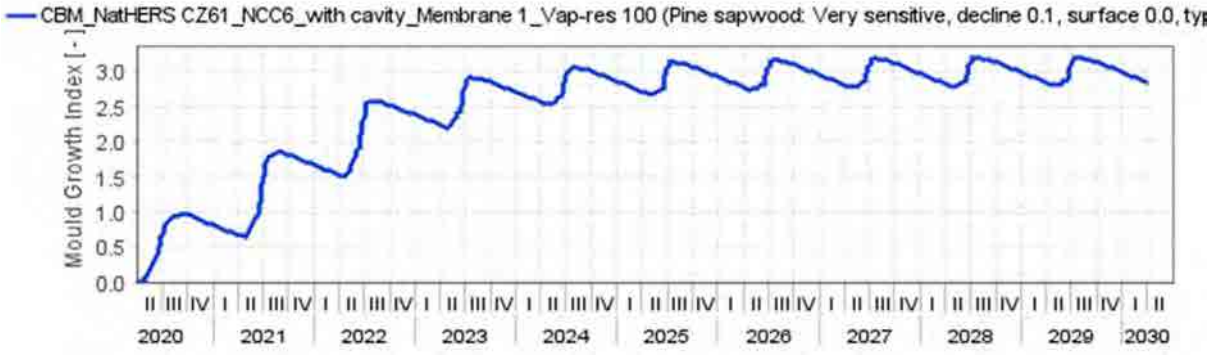

Figure 235 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

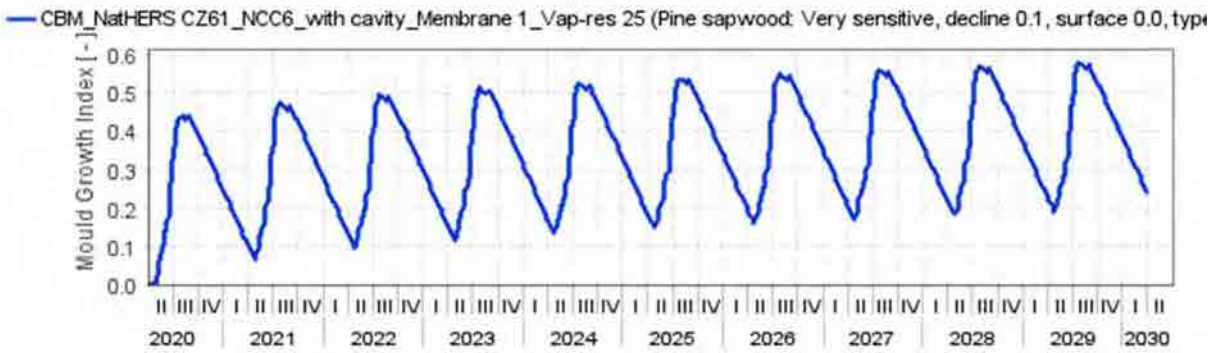

Figure 236 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

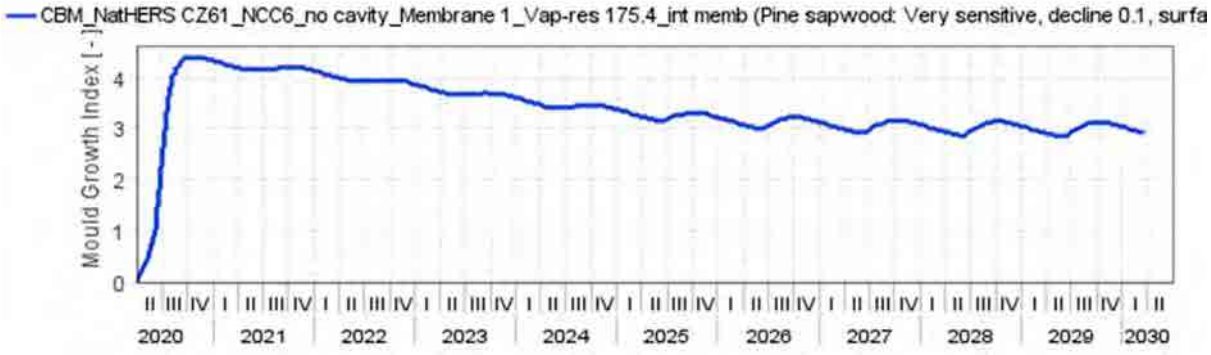

Figure 237 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

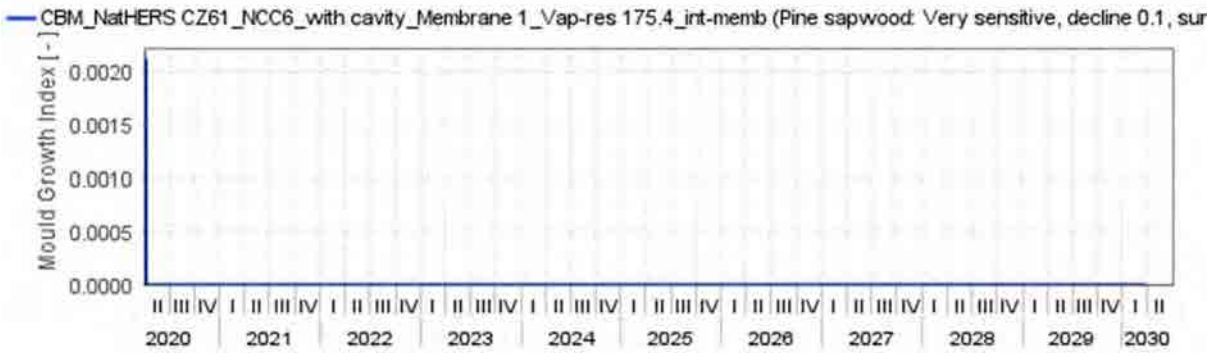

Figure 238 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

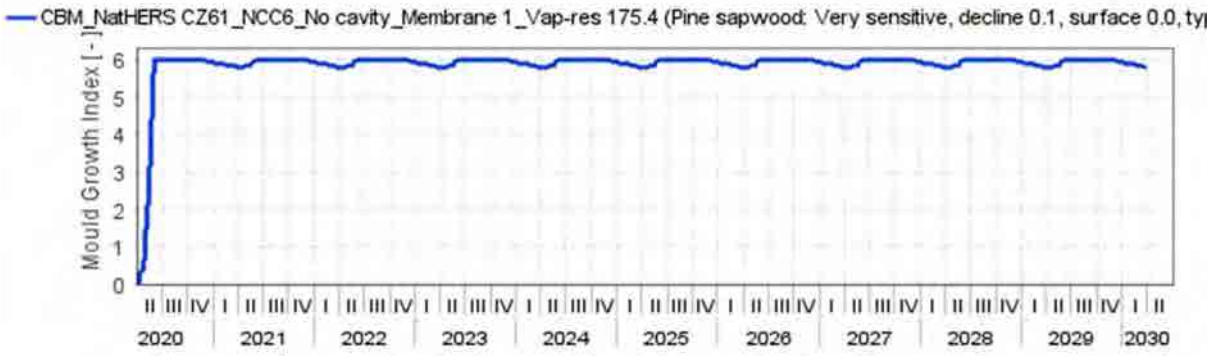

Figure 239: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

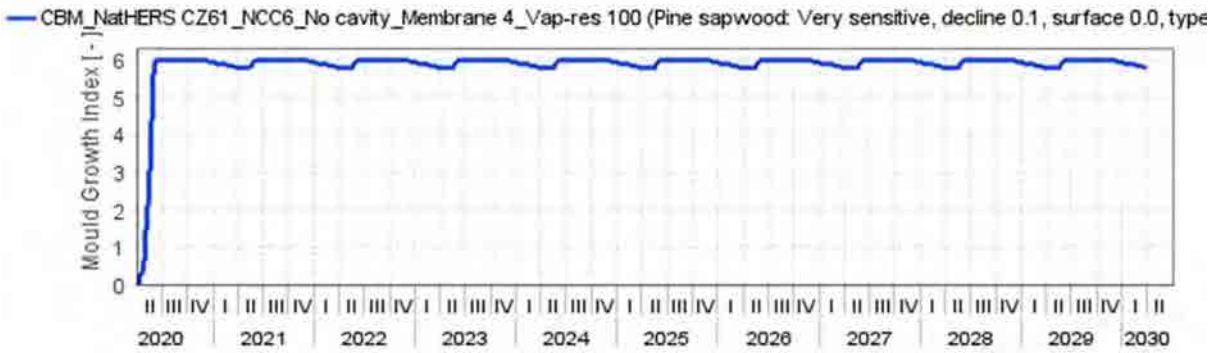

Figure 240 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

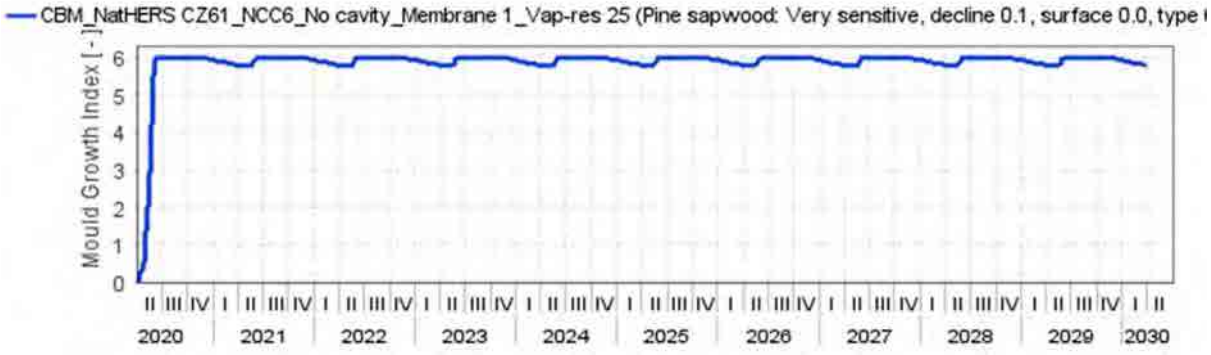

Figure 241: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

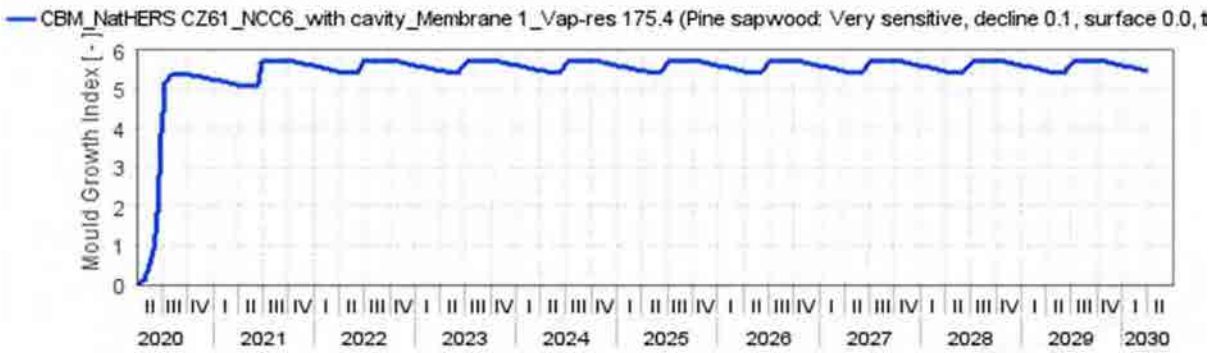

Figure 242: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

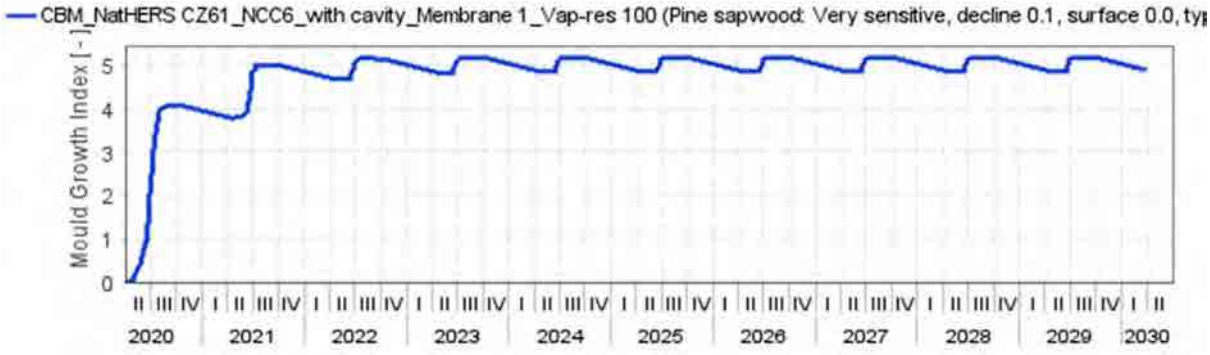

Figure 243 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

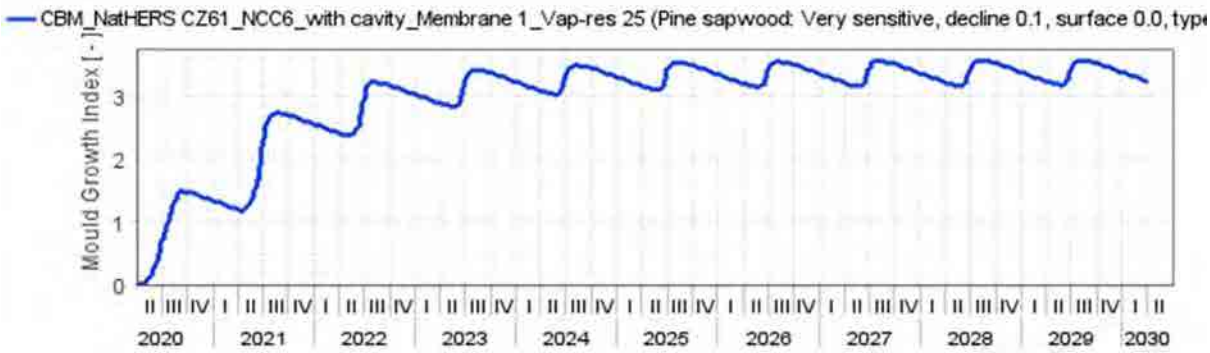

Figure 244 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

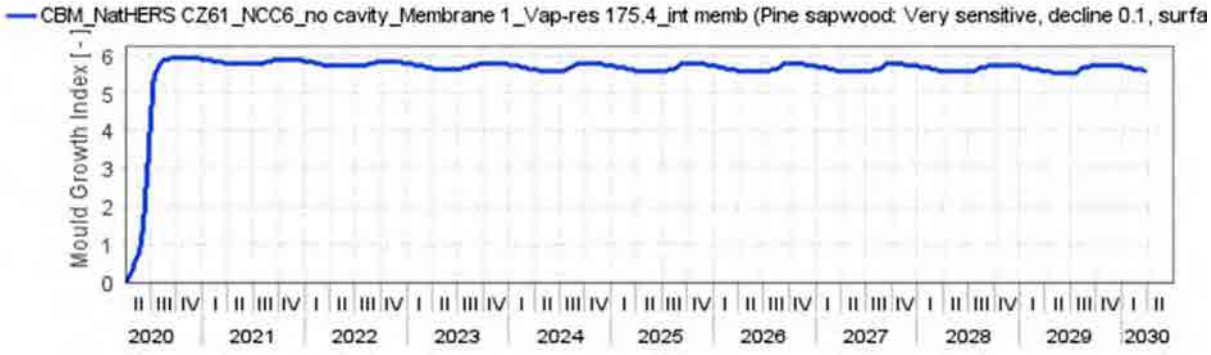

Figure 245 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

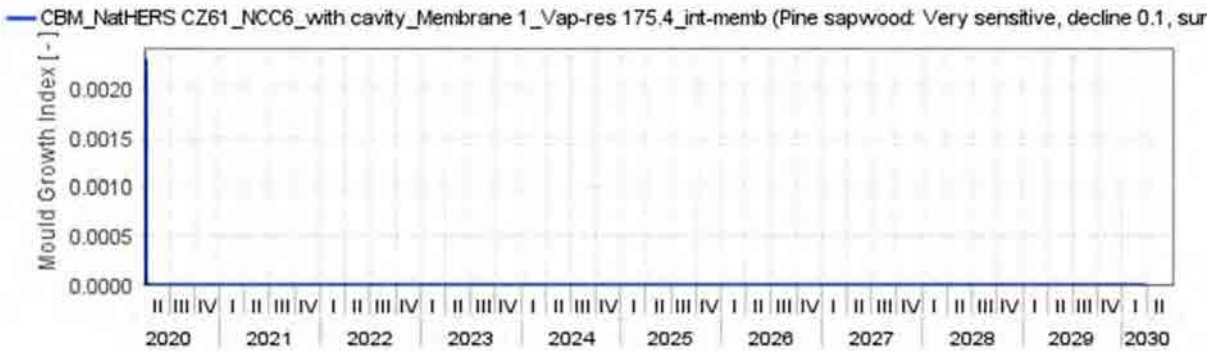

Figure 246 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

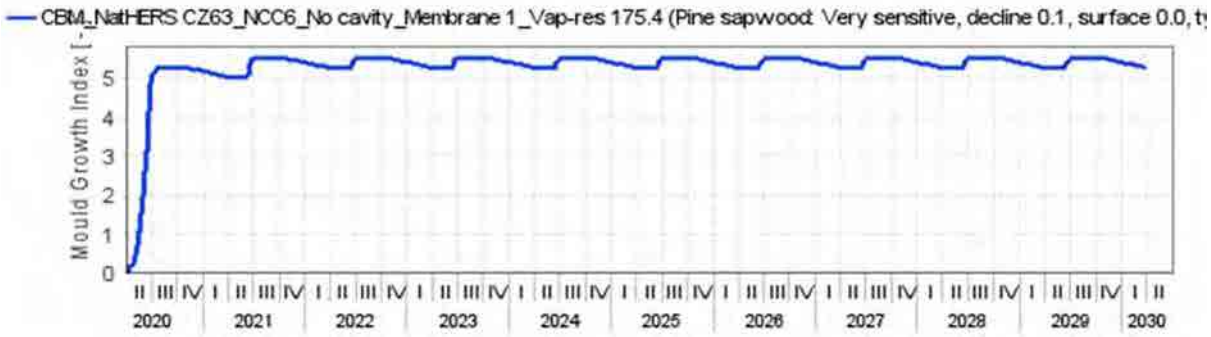

Figure 247: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

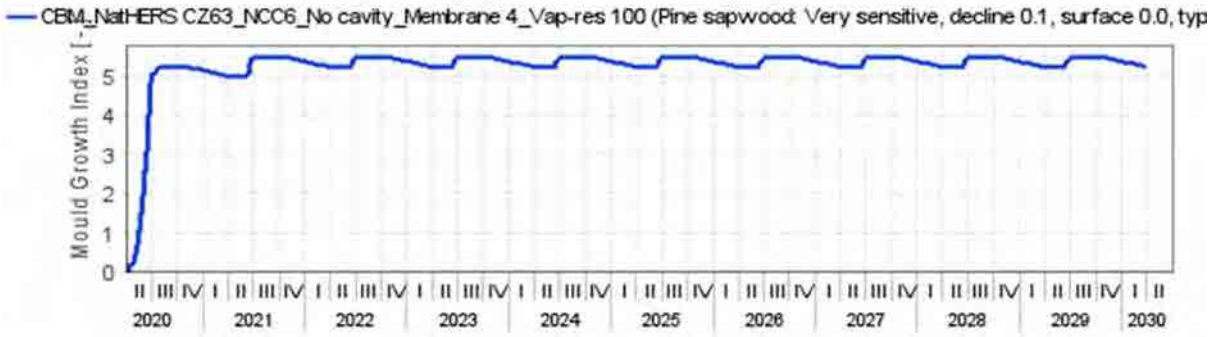

Figure 248 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

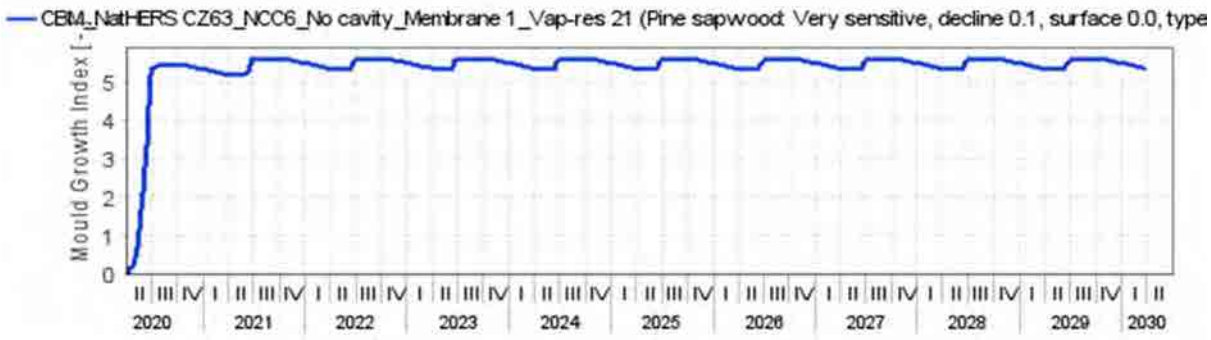

Figure 249: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

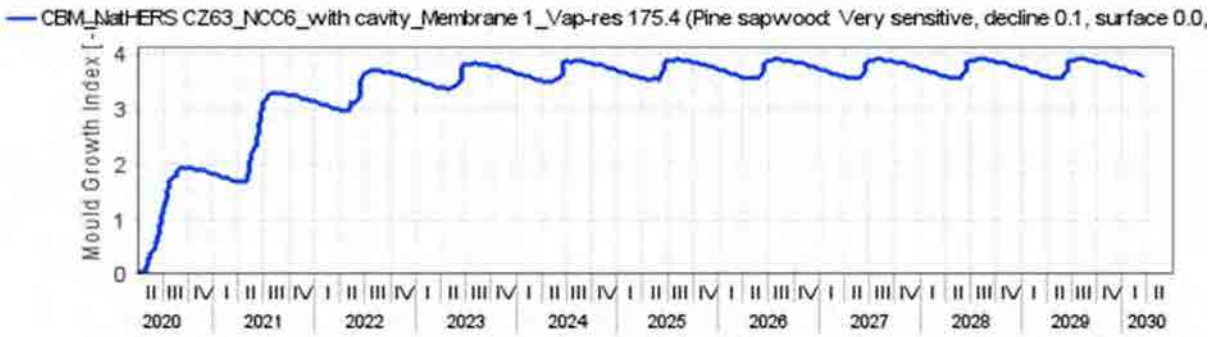

Figure 250: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

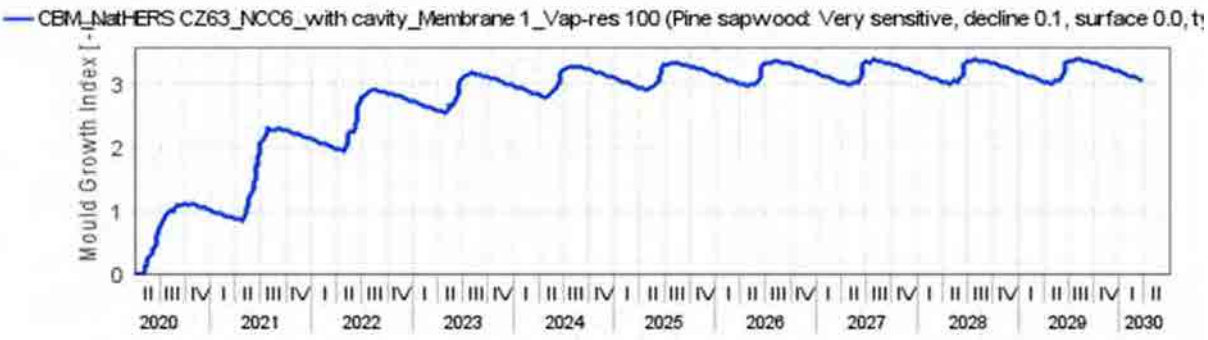

Figure 251 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

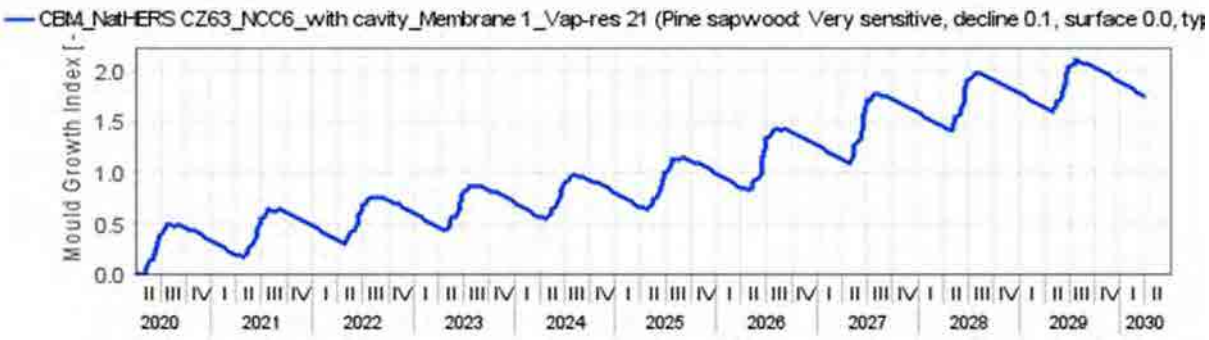

Figure 252 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – - The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

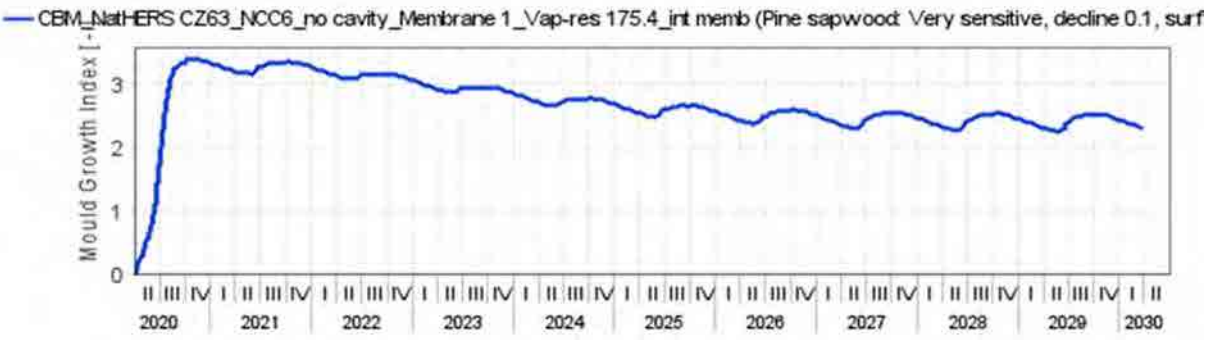

Figure 253 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

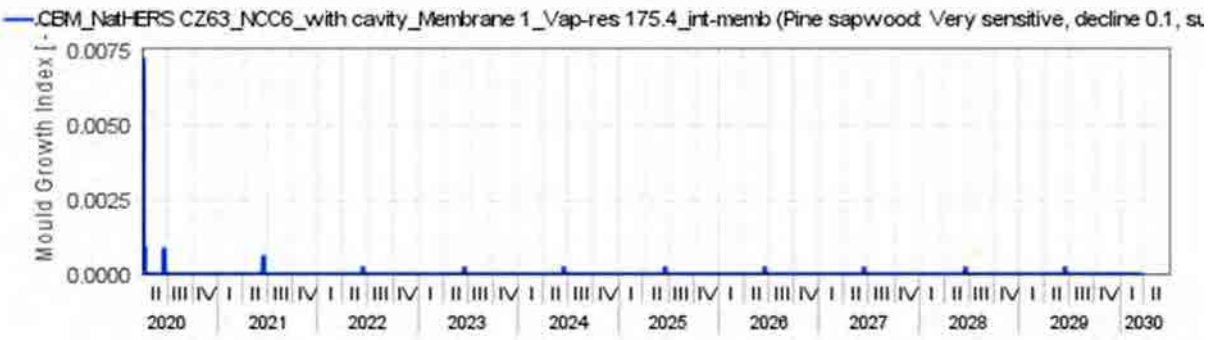

Figure 254 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

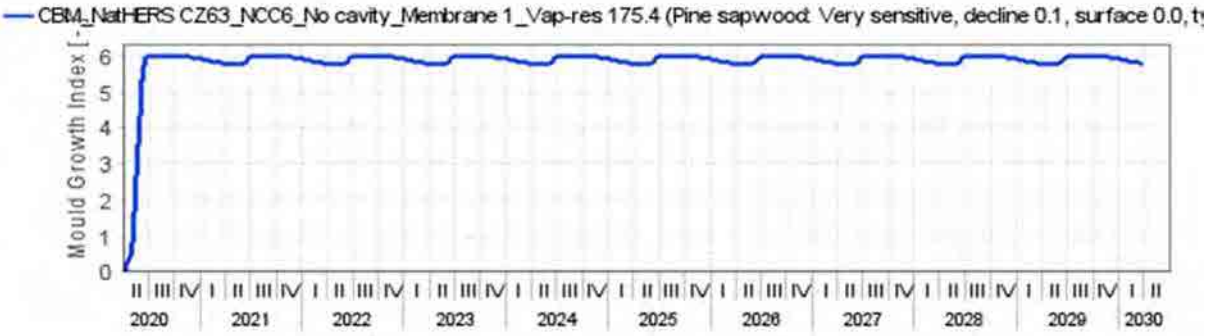

Figure 255: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

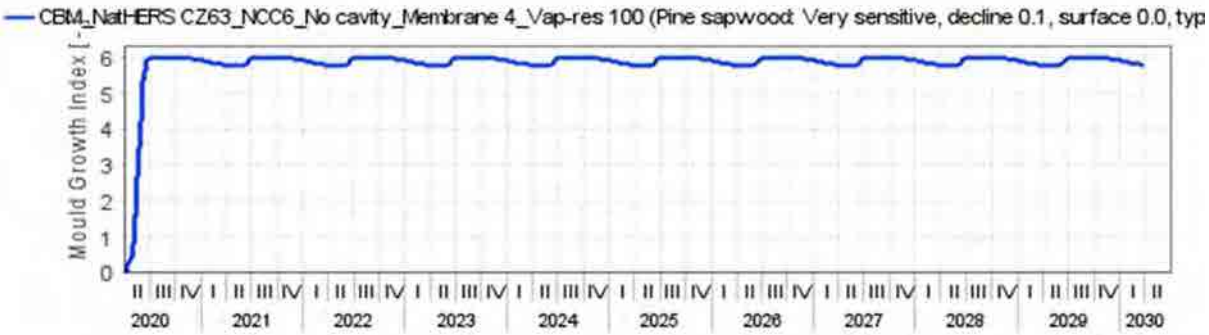

Figure 256 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

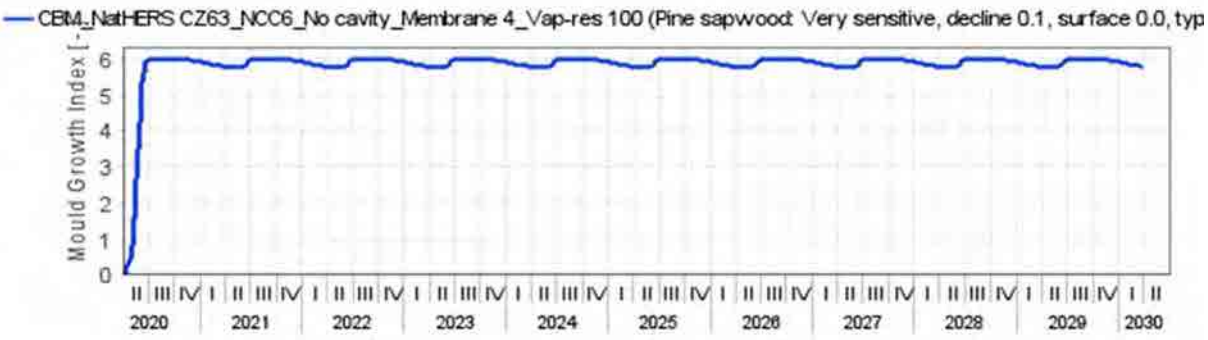

Figure 257: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

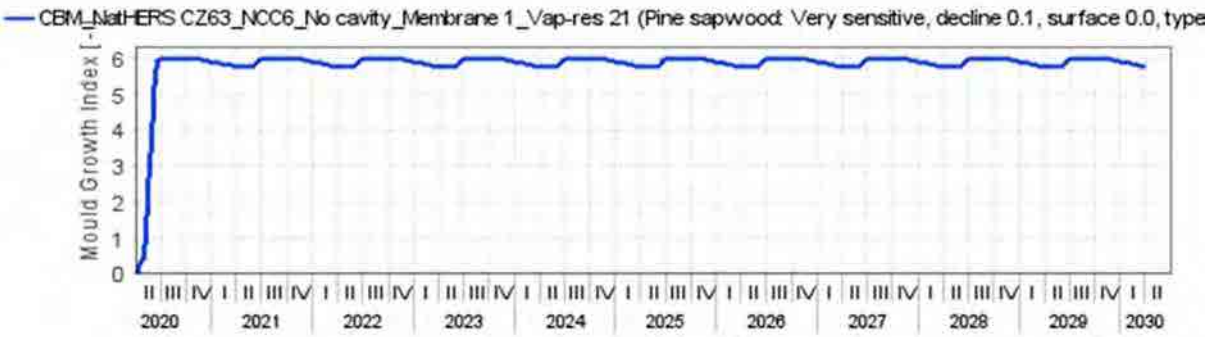

Figure 258: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

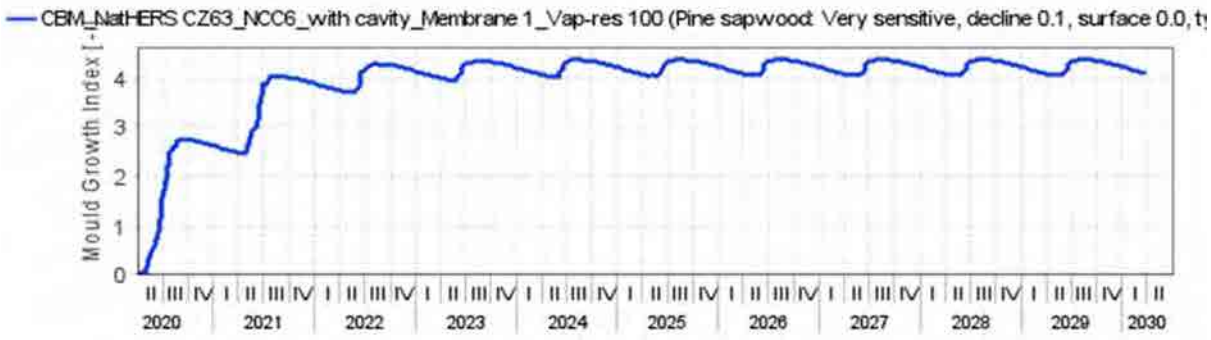

Figure 259 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

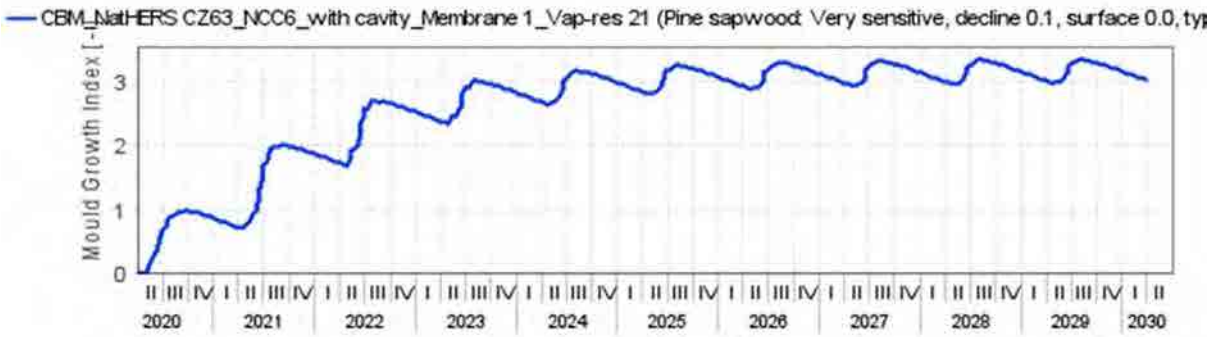

Figure 260 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 261 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

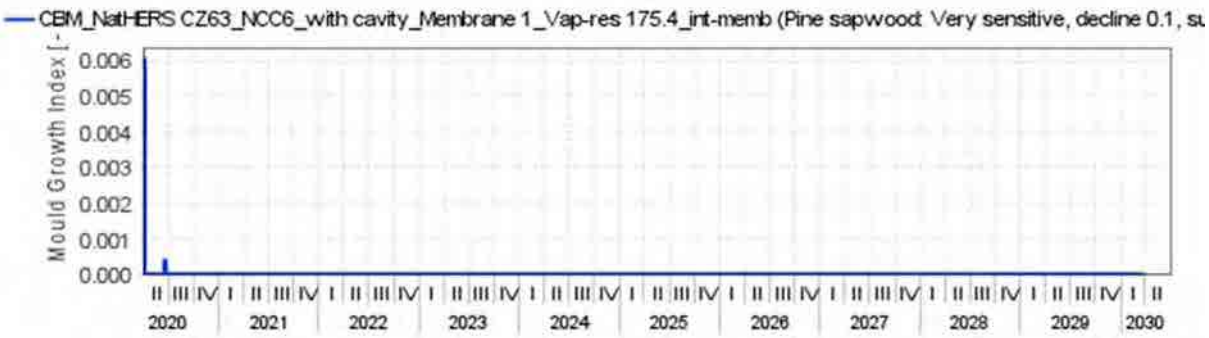

Figure 262 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

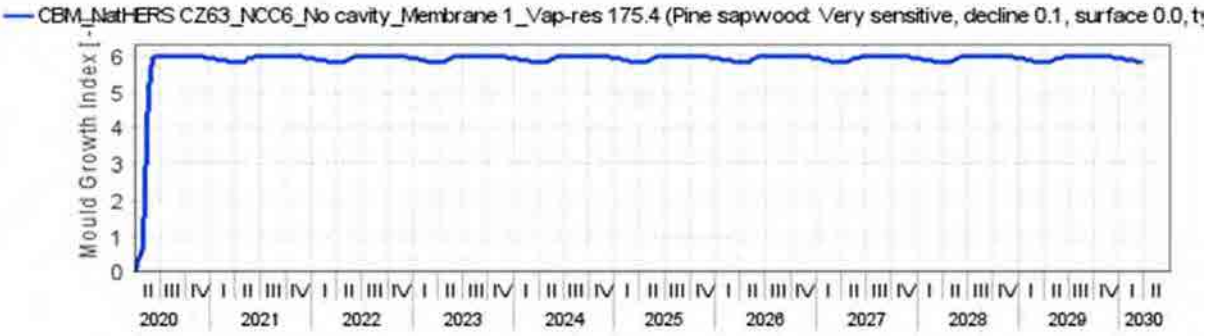

Figure 263: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

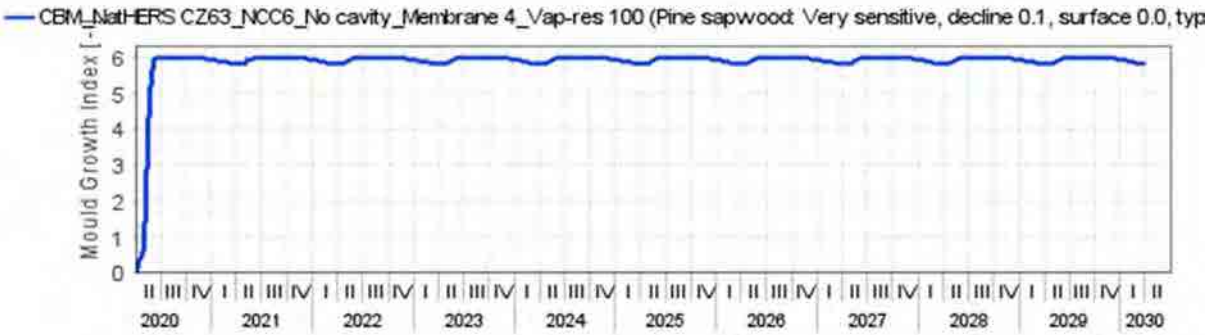

Figure 264 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

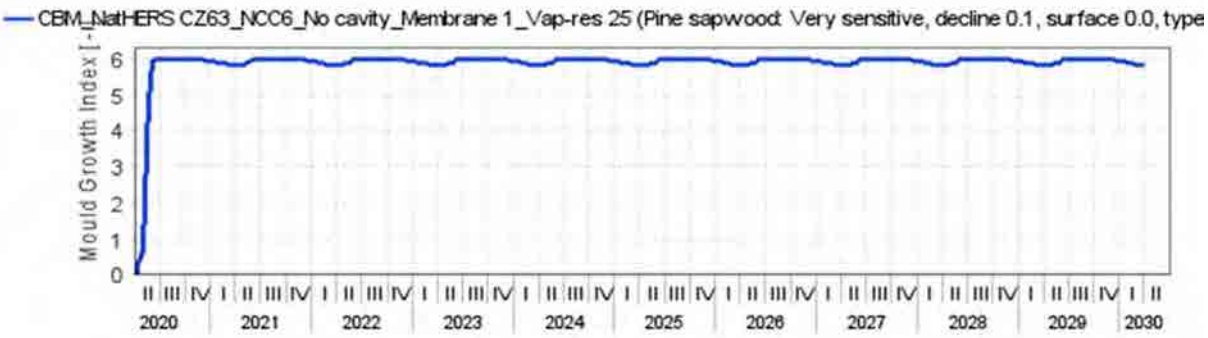

Figure 265: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 266: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

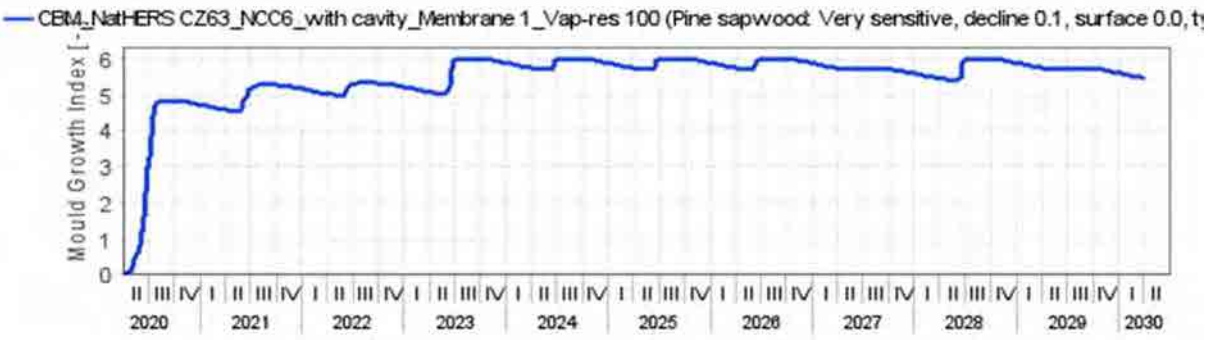

Figure 267 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

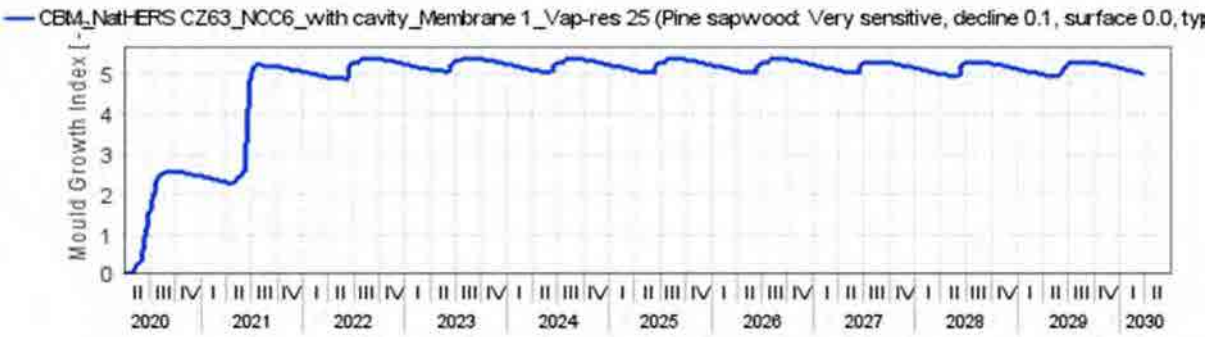

Figure 268 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

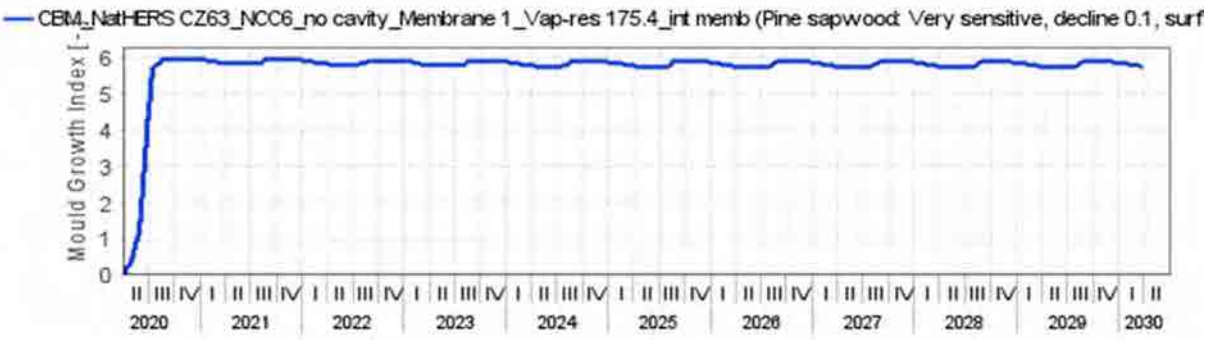

Figure 269 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

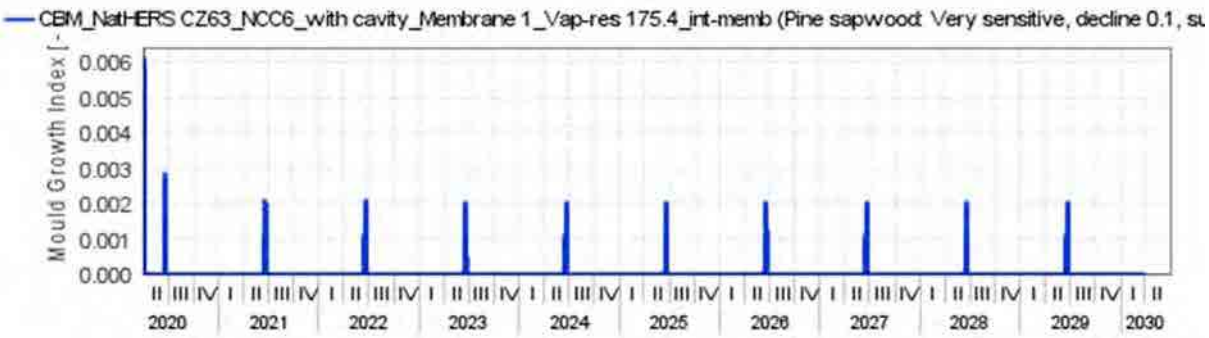

Figure 270 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

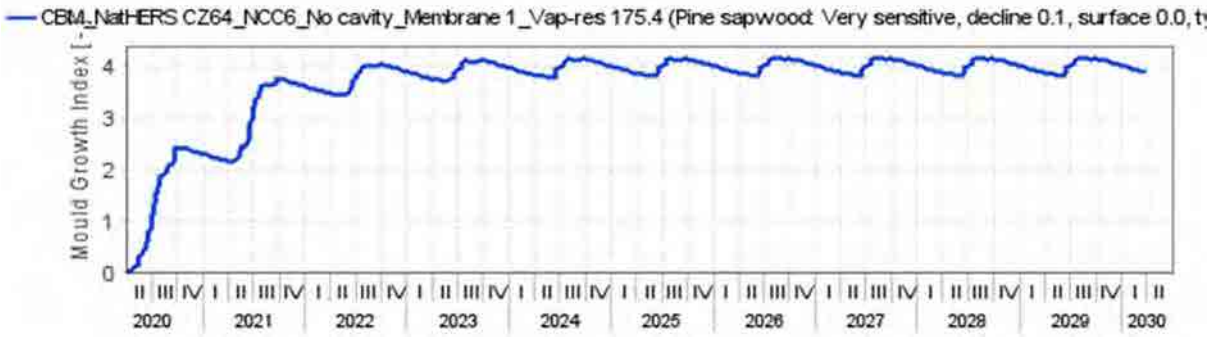

Figure 271: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

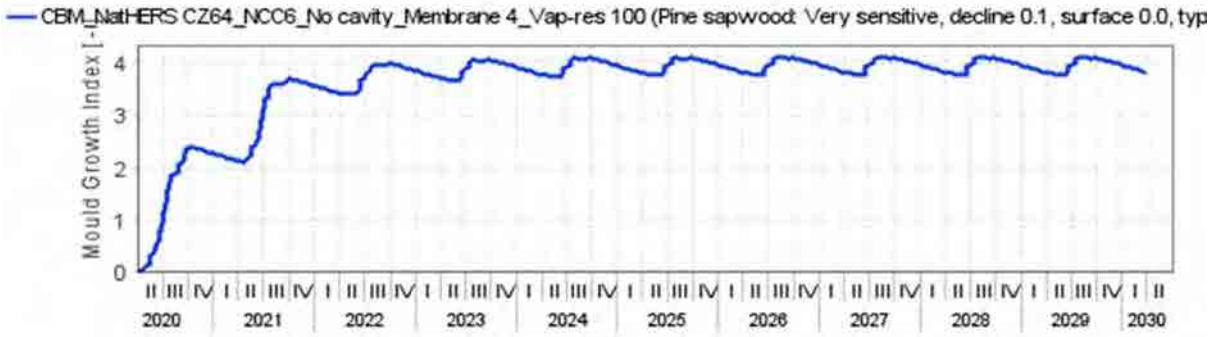

Figure 272 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

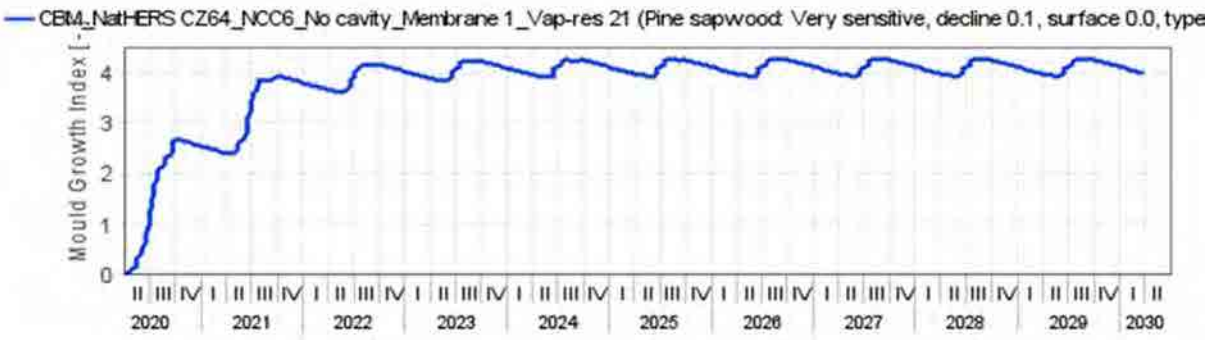

Figure 273: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

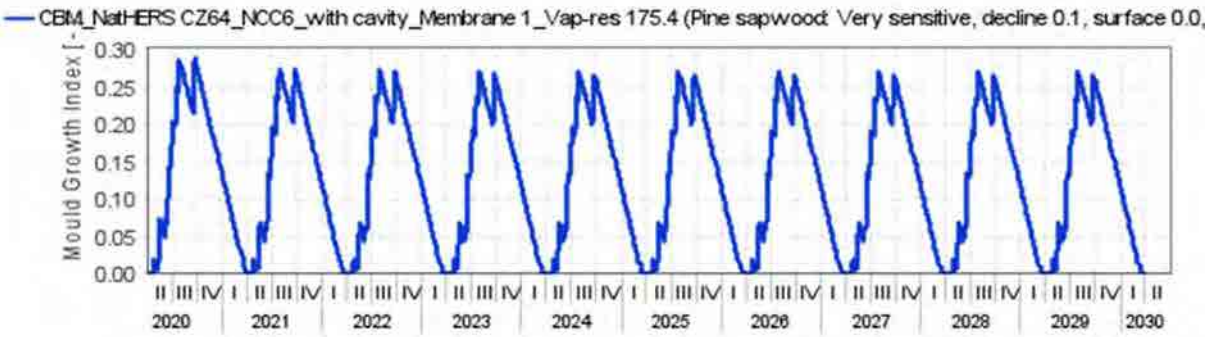

Figure 274: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

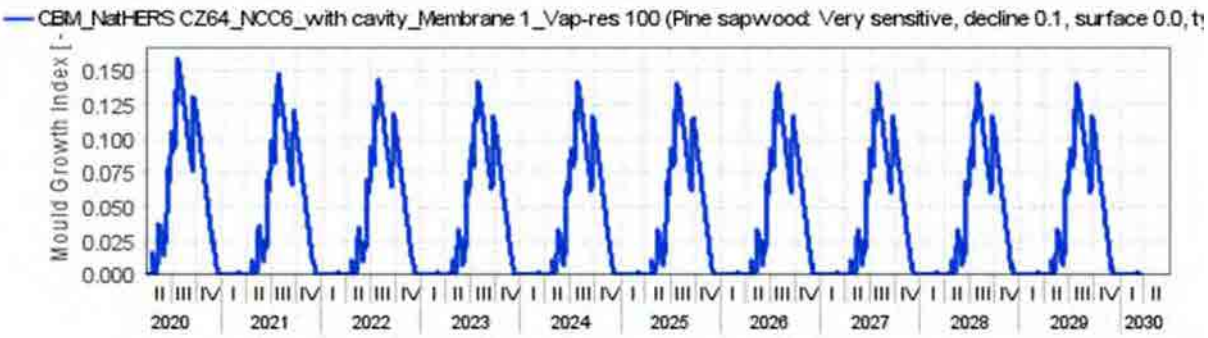

Figure 275 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

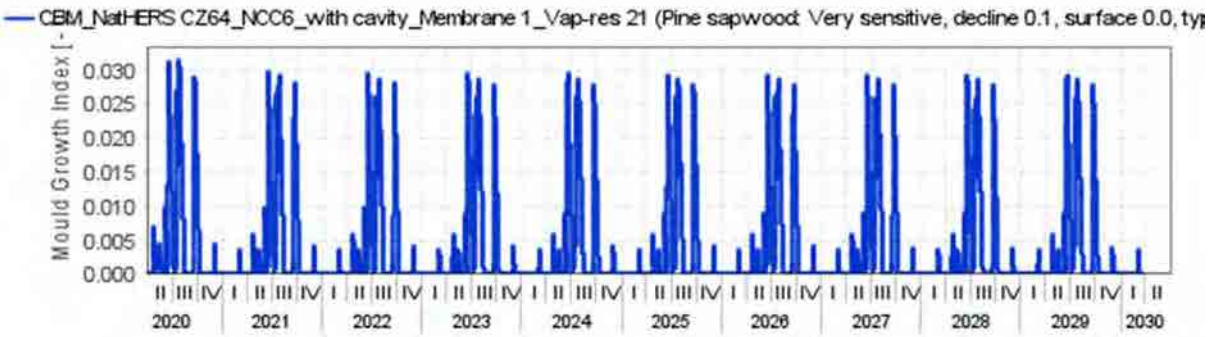

Figure 276 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

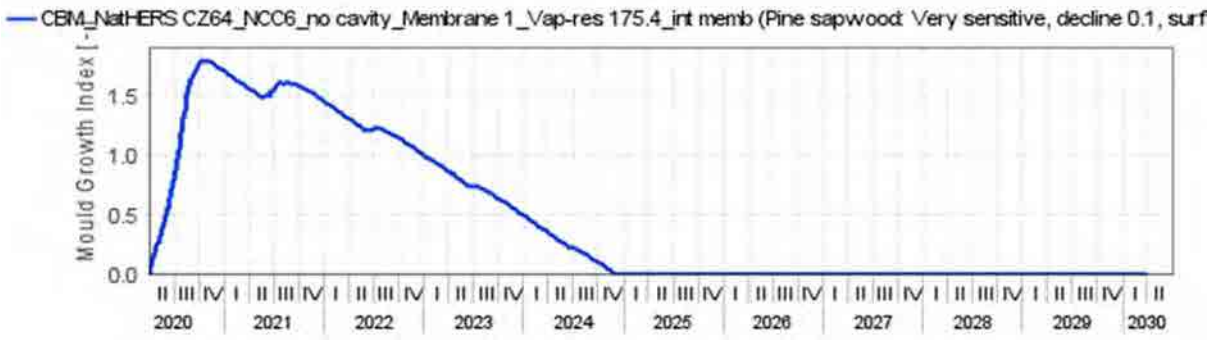

Figure 277 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

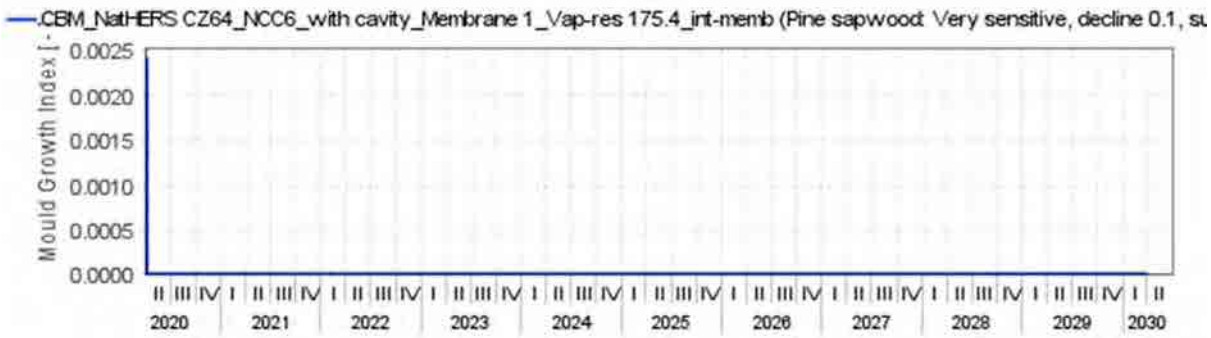

Figure 278 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

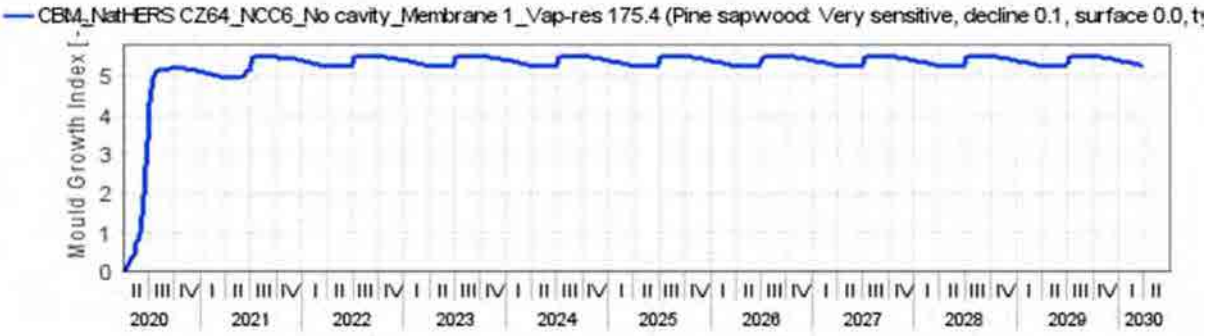

Figure 279: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

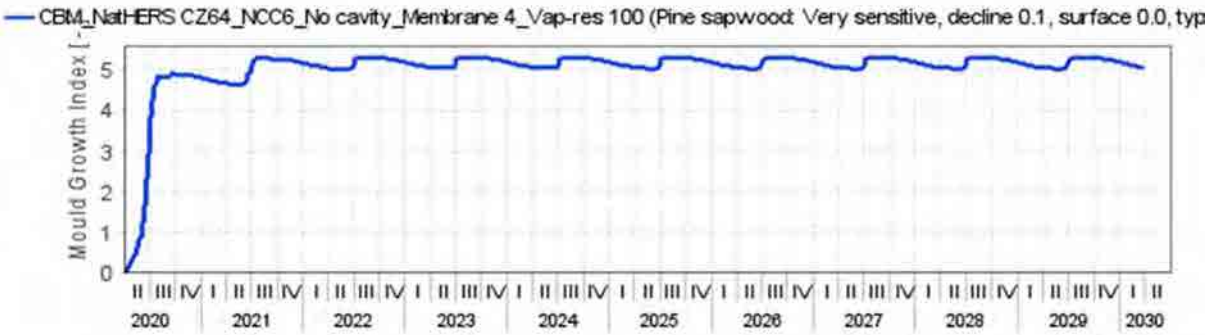

Figure 280 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

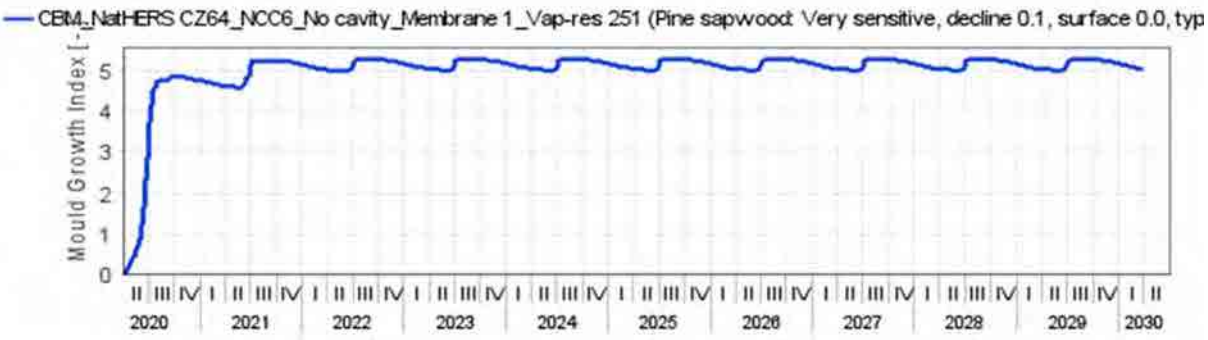

Figure 281: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

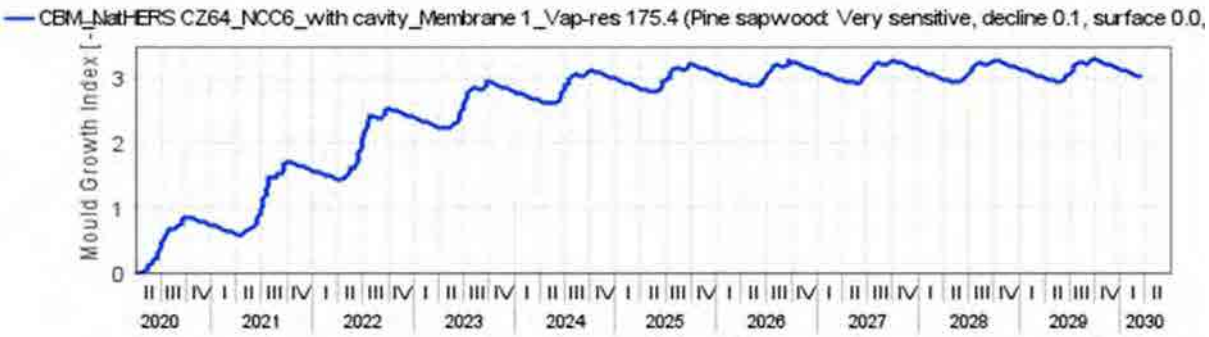

Figure 282: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

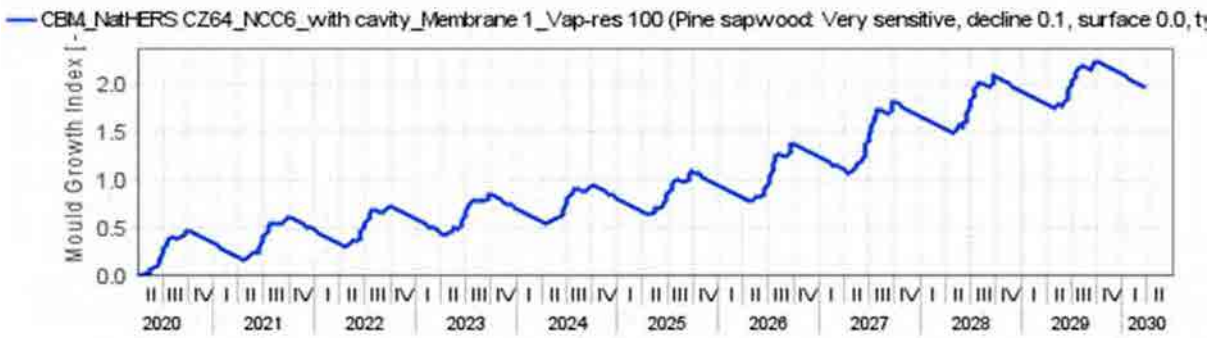

Figure 283 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

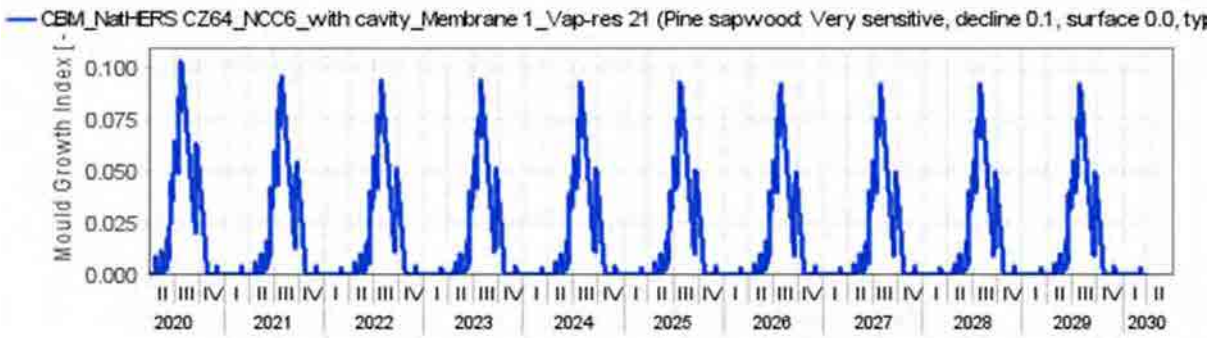

Figure 284 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – - The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

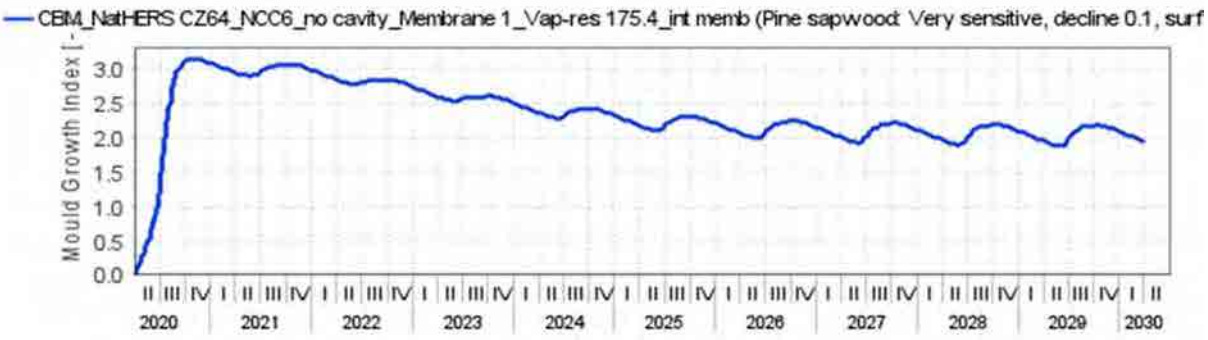

Figure 285 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

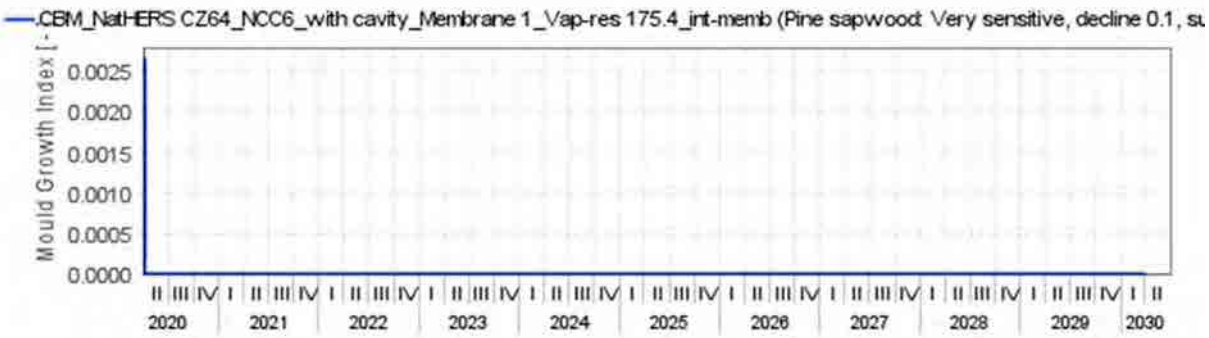

Figure 286 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

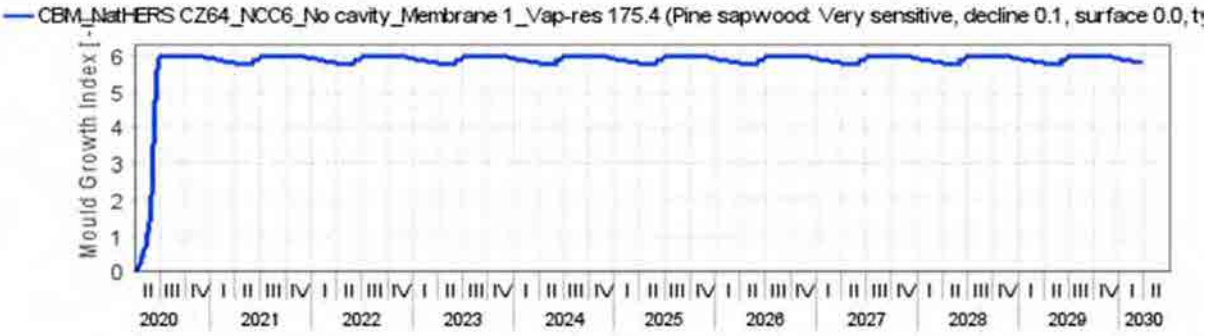

Figure 287: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

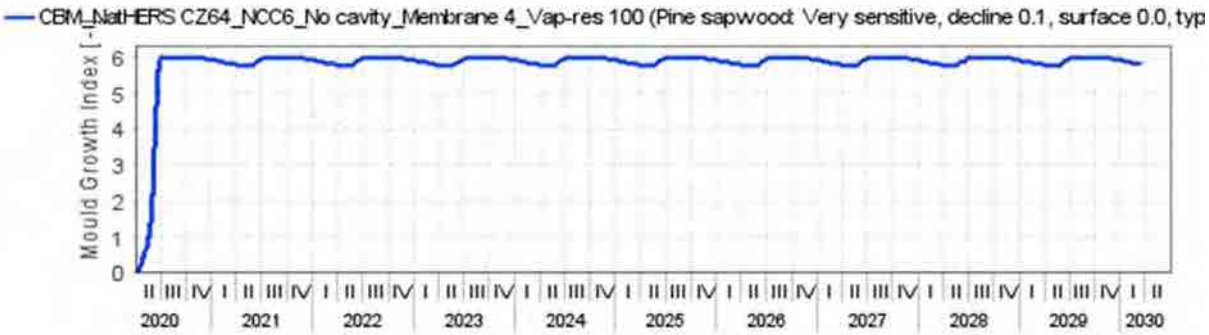

Figure 288 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

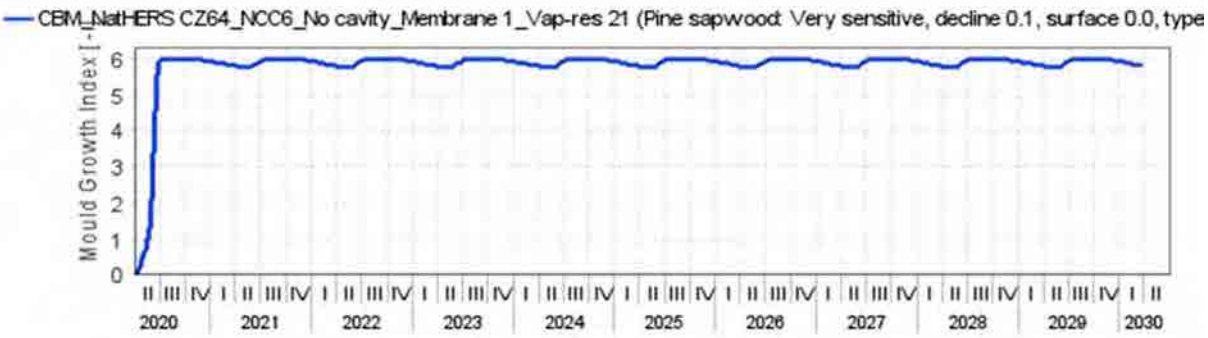

Figure 289: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 290: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

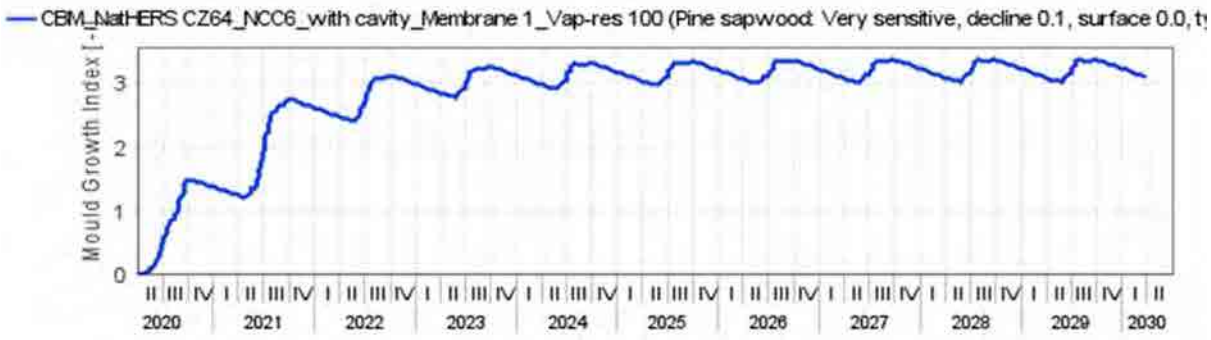

Figure 291 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

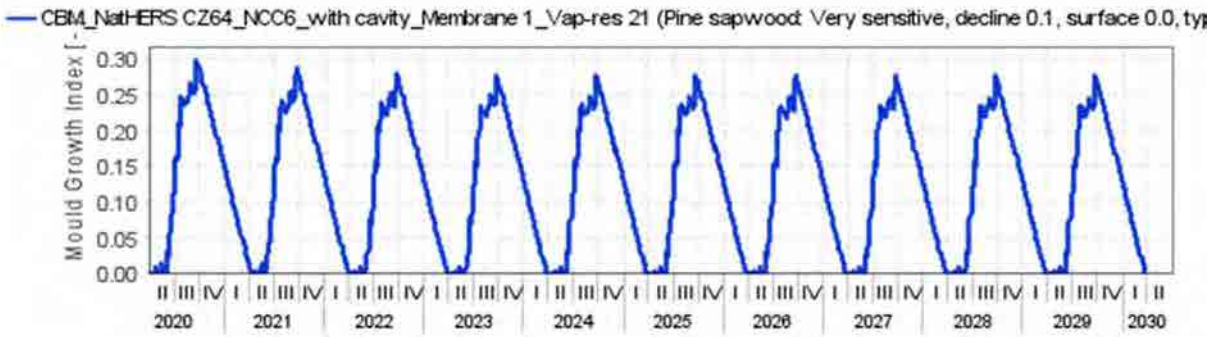

Figure 292 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

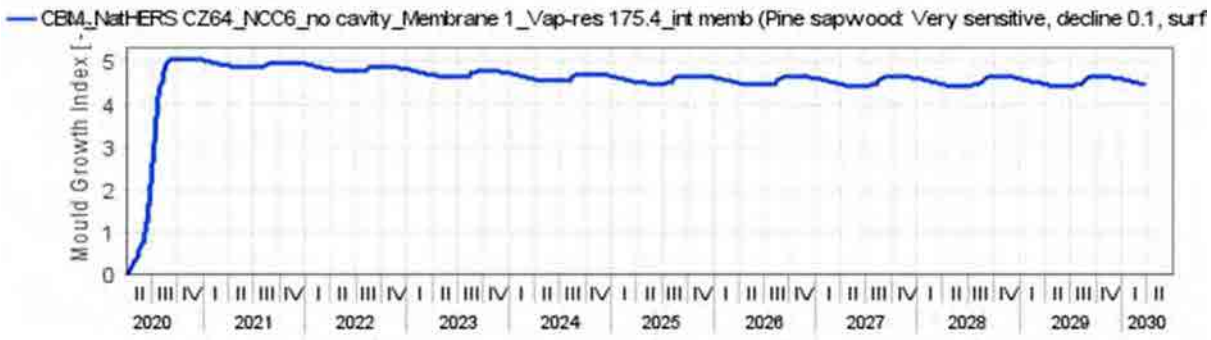

Figure 293 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

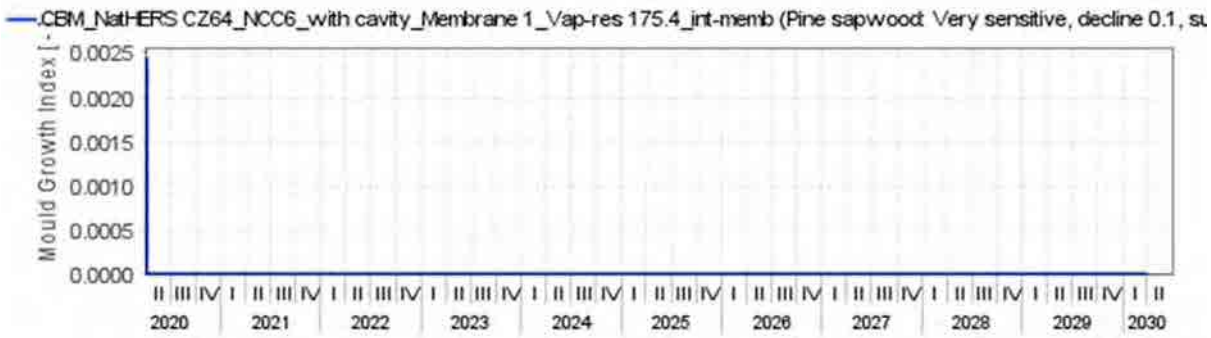

Figure 294 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 6 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

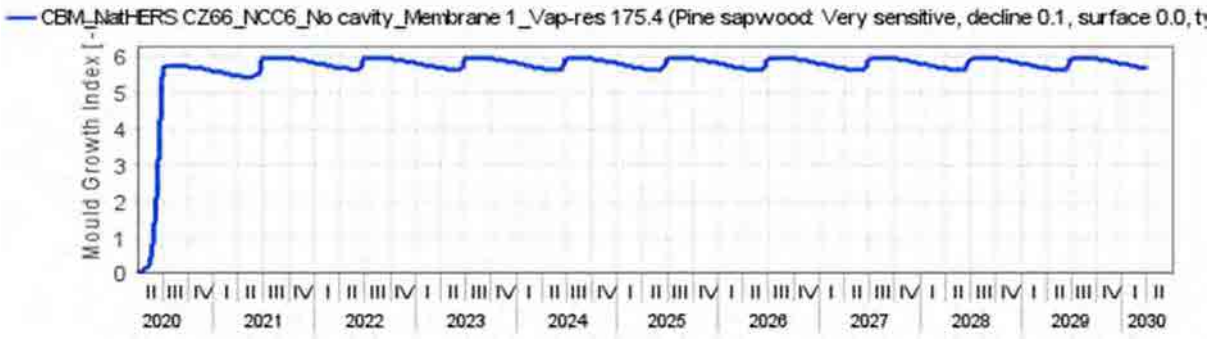

Figure 295: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

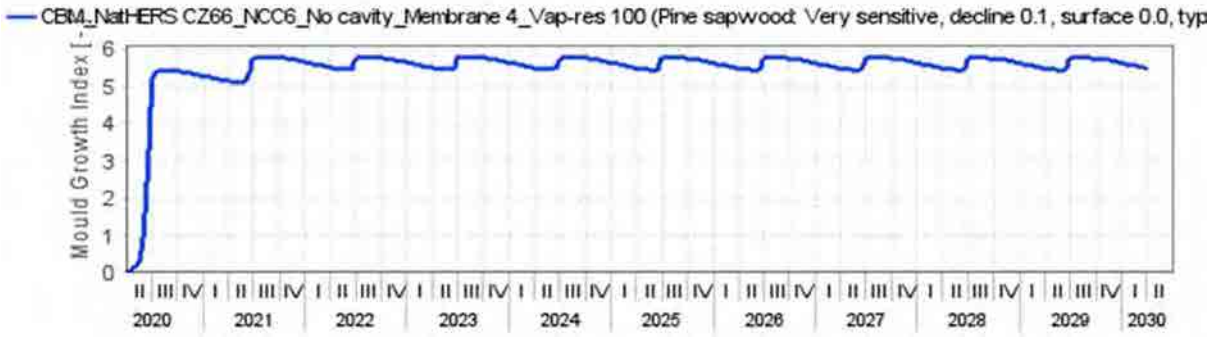

Figure 296 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

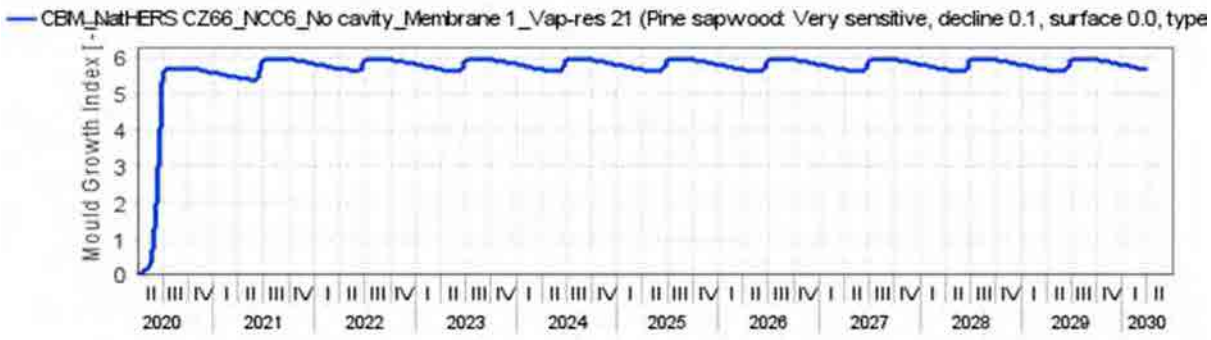

Figure 297: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 298: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

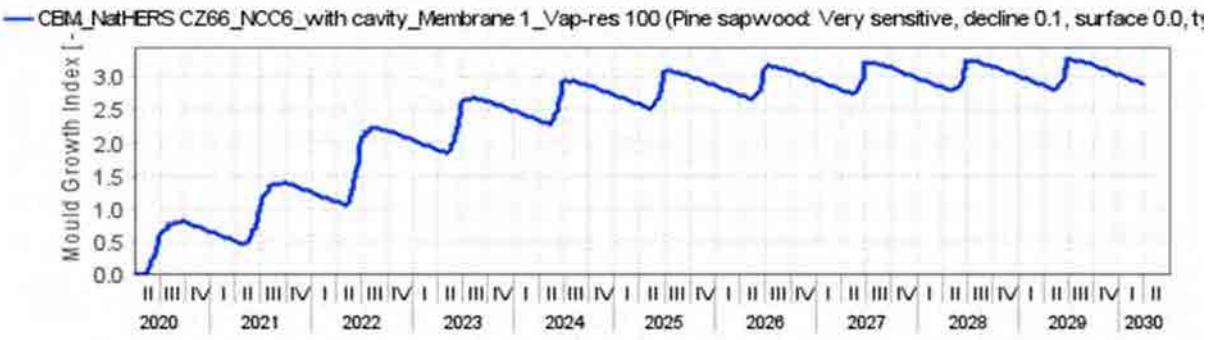

Figure 299 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

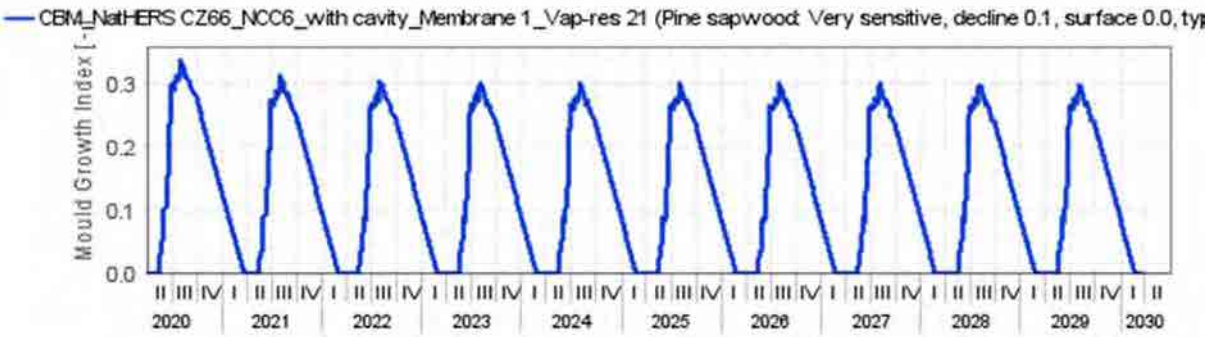

Figure 300 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

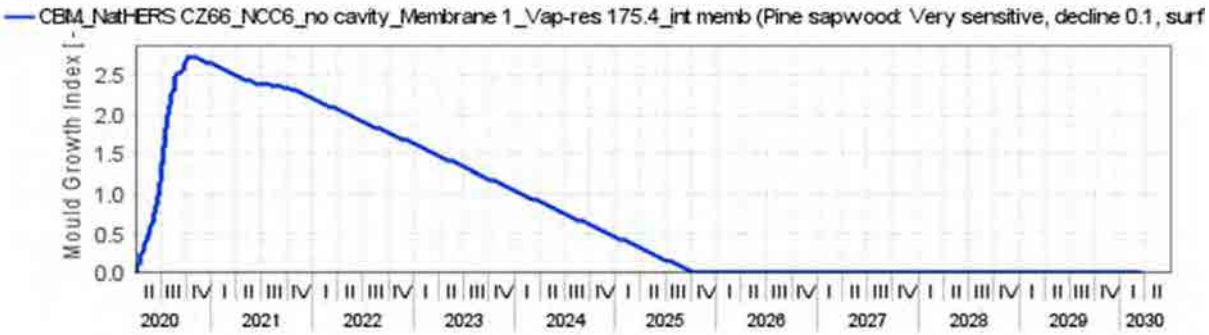

Figure 301 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

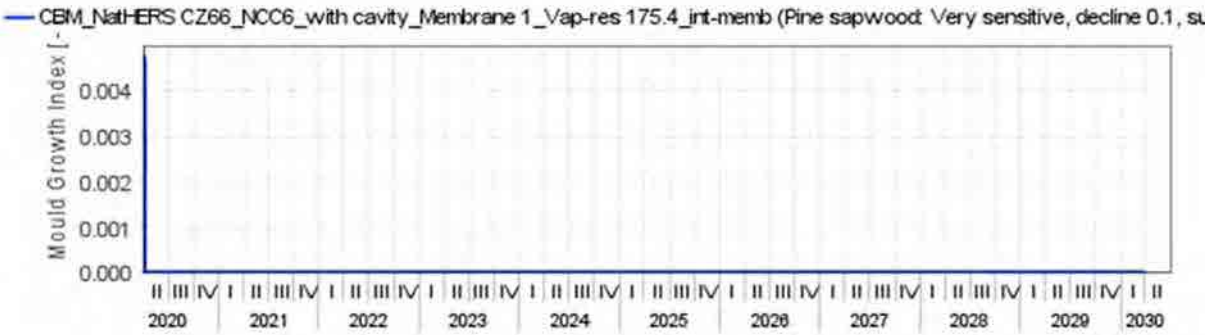

Figure 302 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

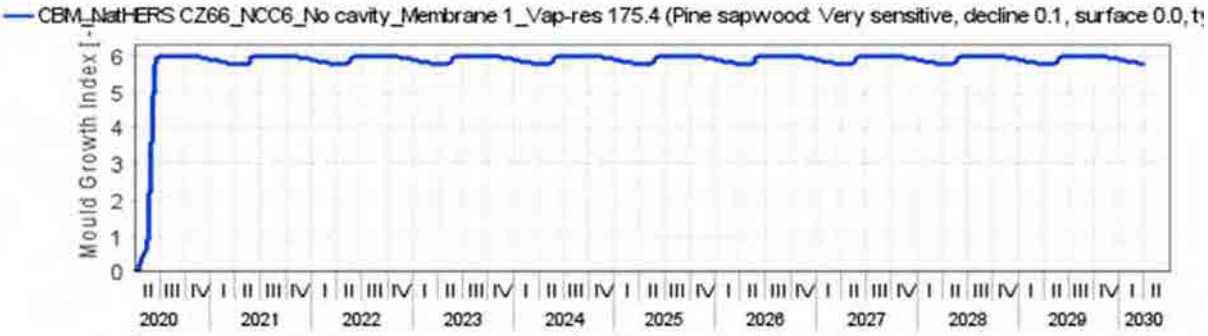

Figure 303: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

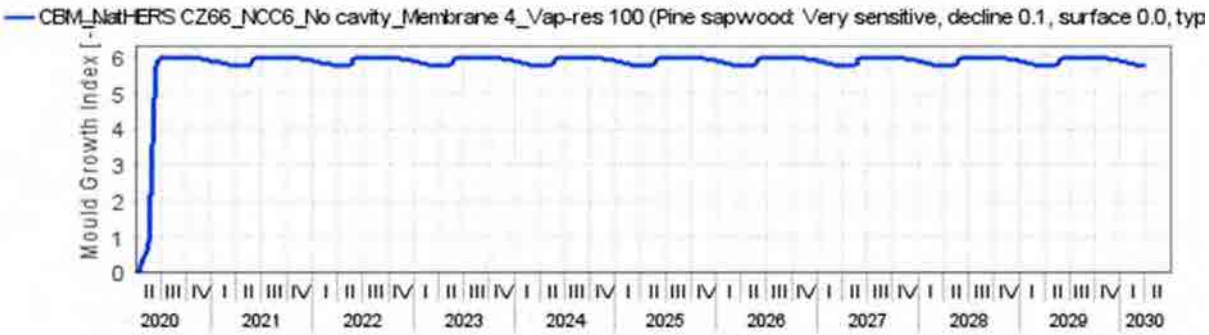

Figure 304 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

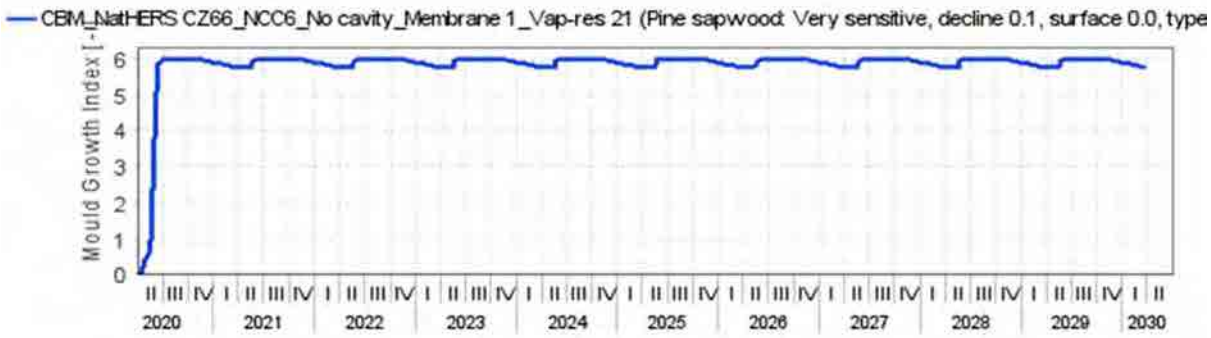

Figure 305: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

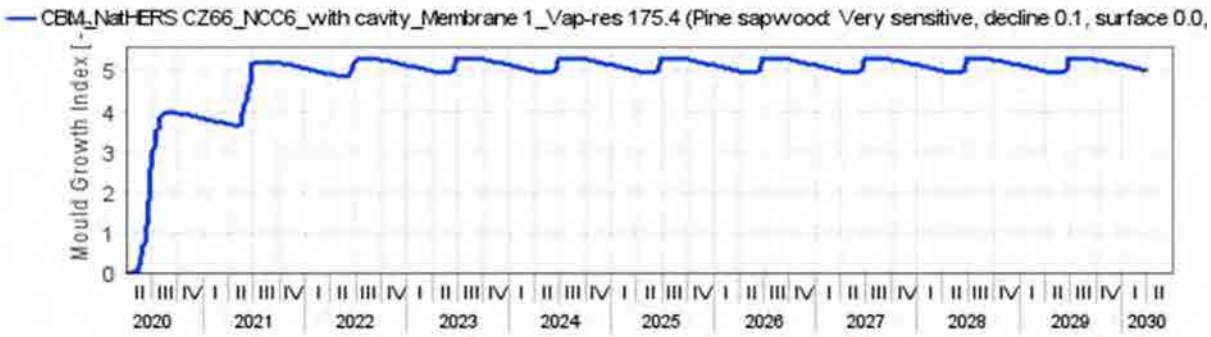

Figure 306: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

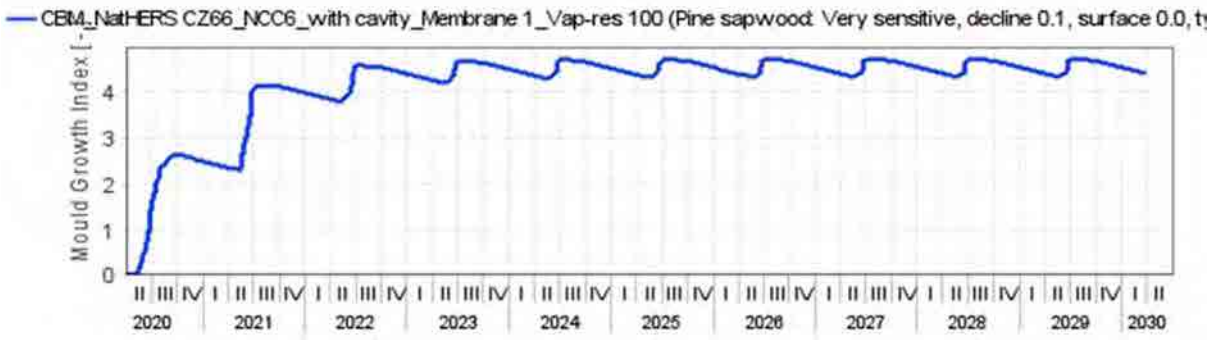

Figure 307 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

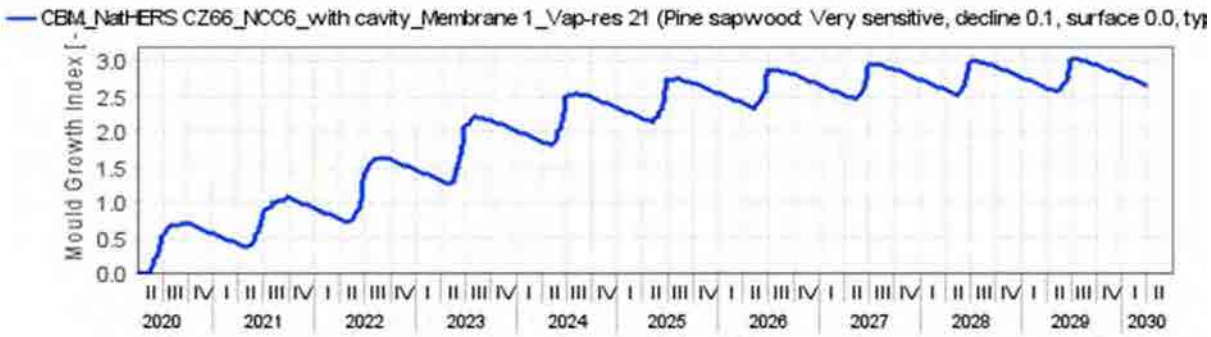

Figure 308 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

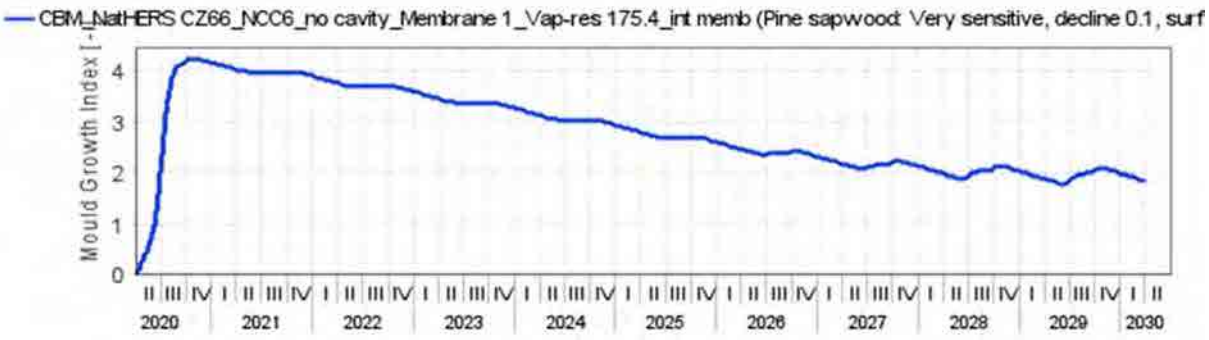

Figure 309 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

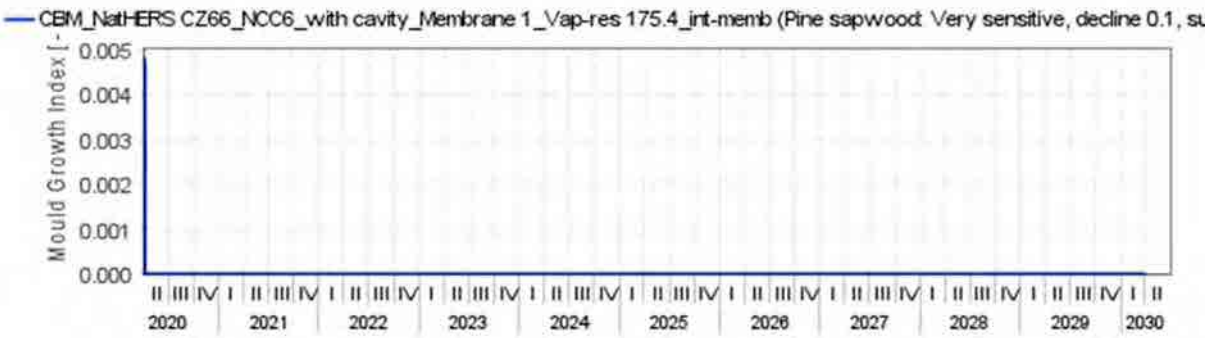

Figure 310 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

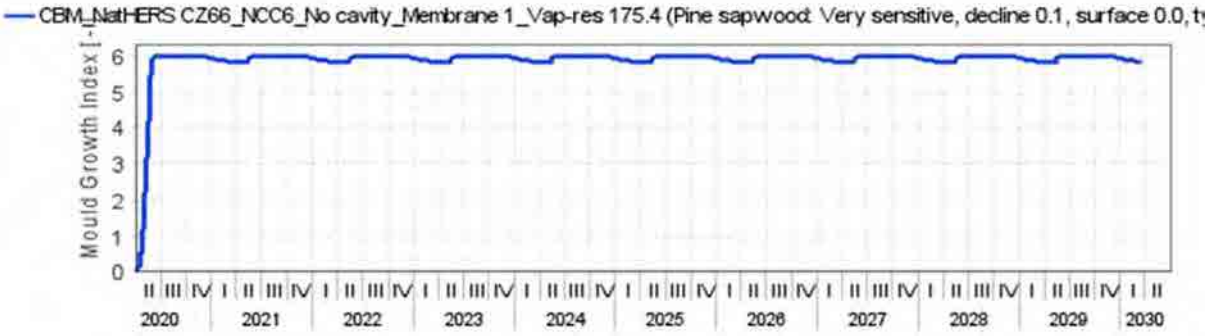

Figure 311: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

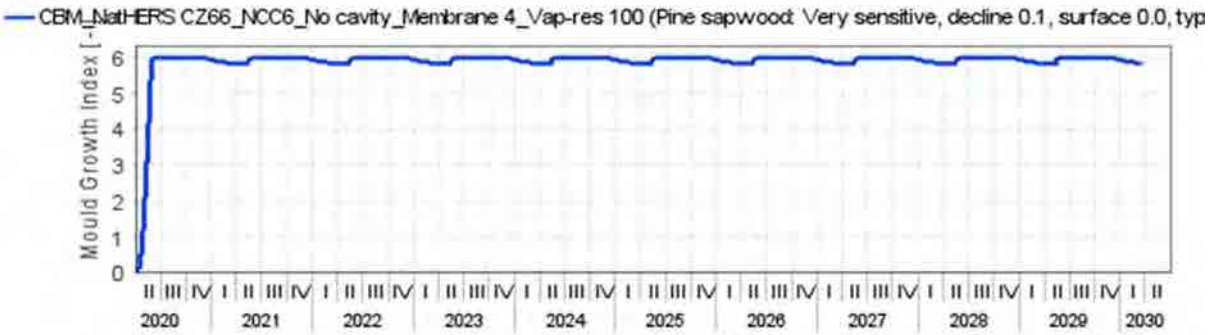

Figure 312 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

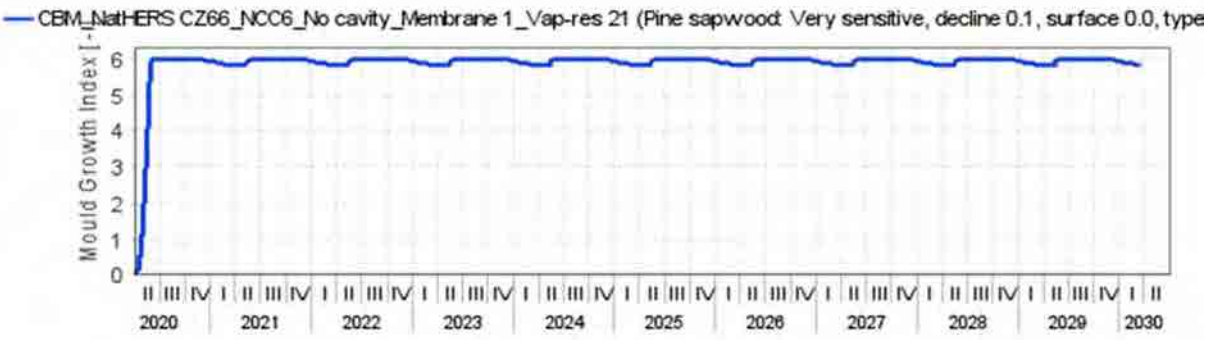

Figure 313: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

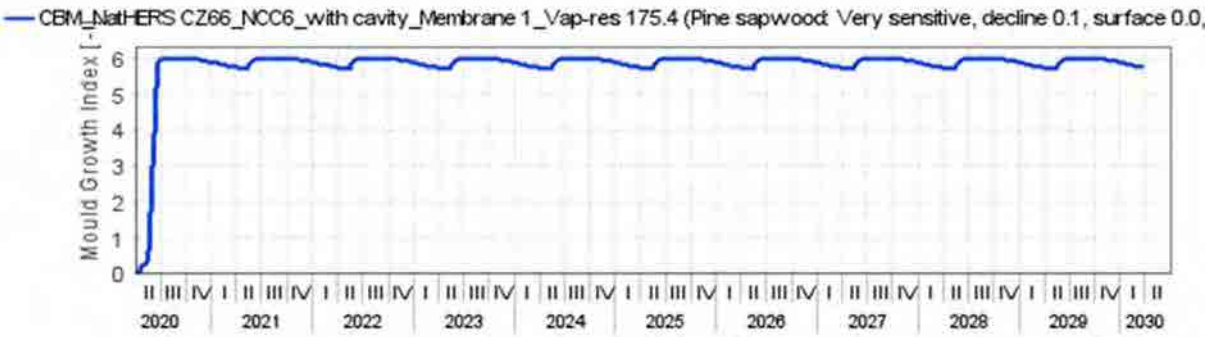

Figure 314: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

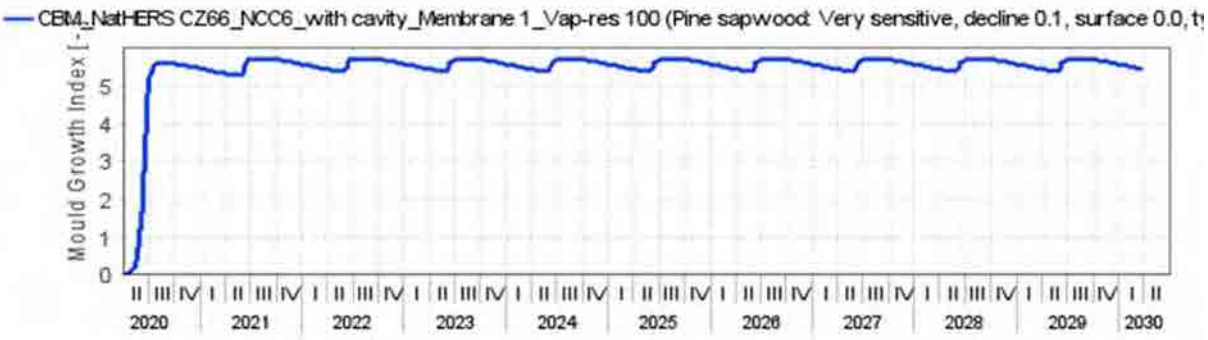

Figure 315 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

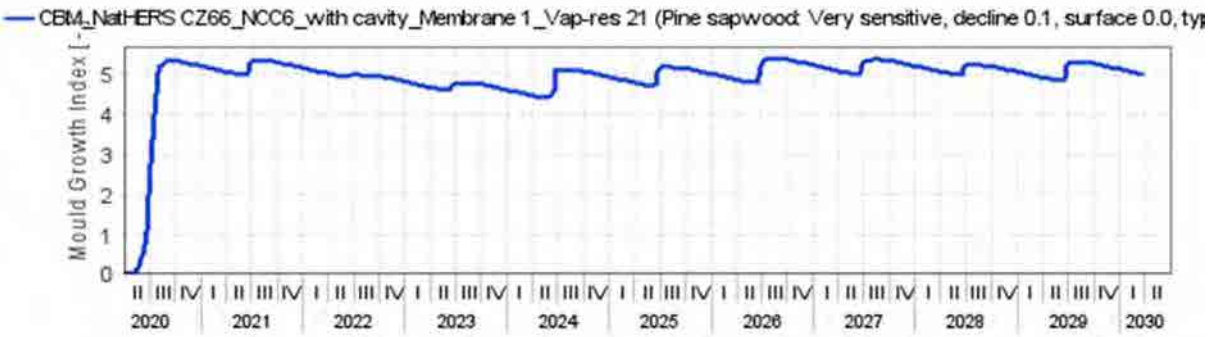

Figure 316 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

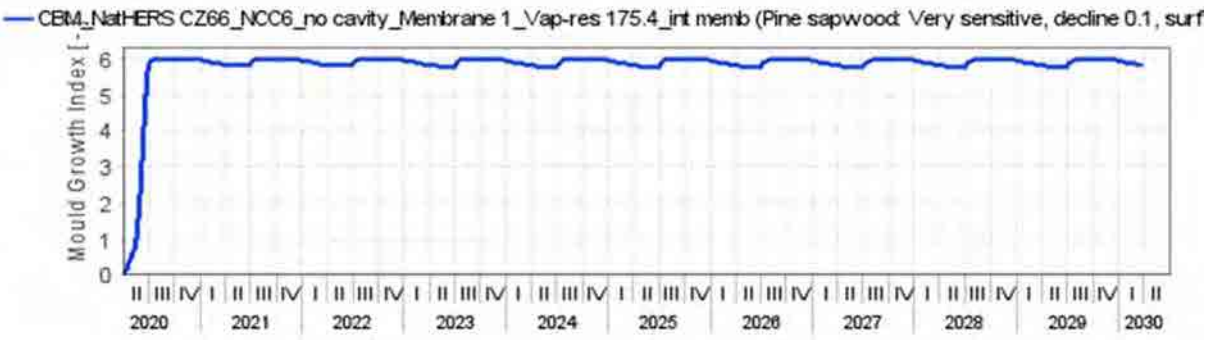

Figure 317 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

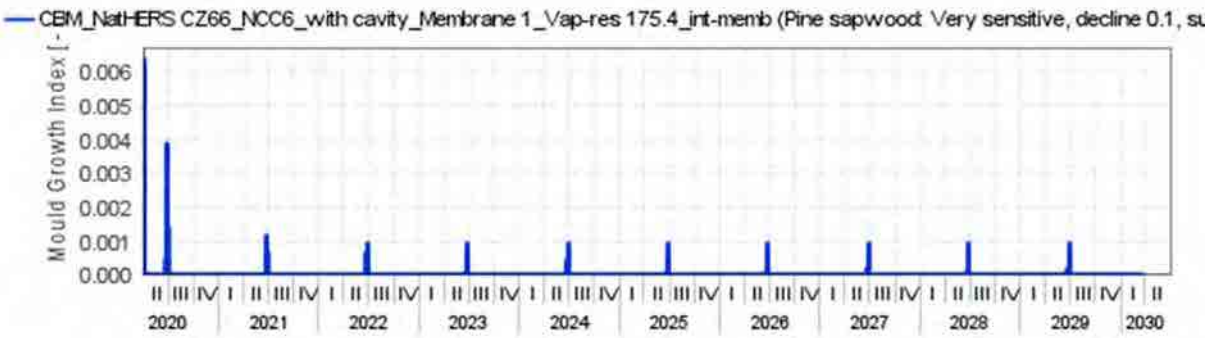

Figure 318 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.
Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star and 7 Star housing
Research Report 3

Appendix 4.2: Hygrothermal simulation results – 7 Star concrete block masonry with internal insulation (Wall 4)

Revision 01 (17/12/2023)

NCC CZ 4

NatHERS CZ 27, NCC CZ4: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

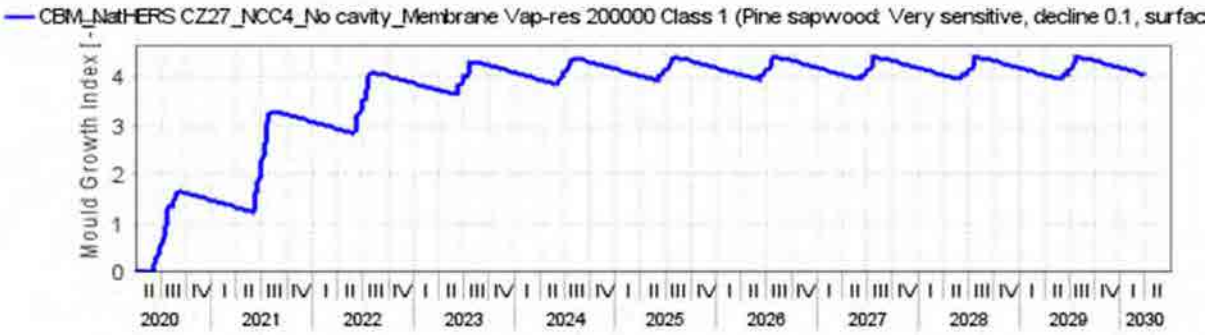

Figure 1: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

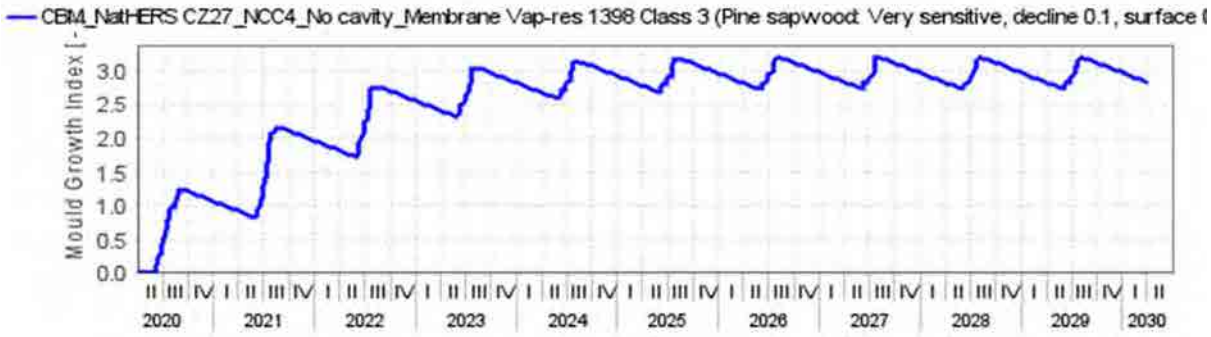

Figure 2: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

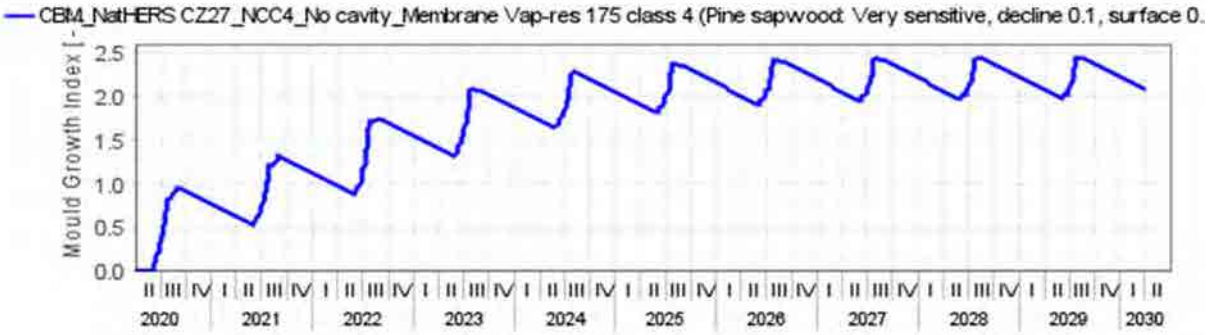

Figure 3: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

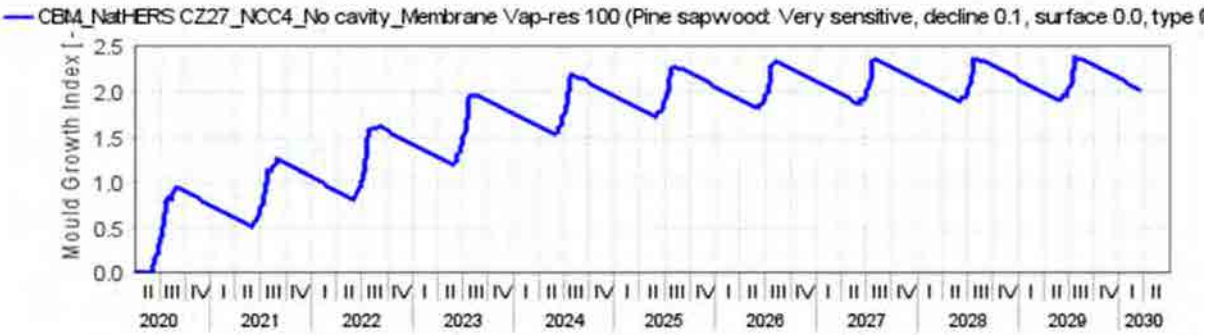

Figure 4 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

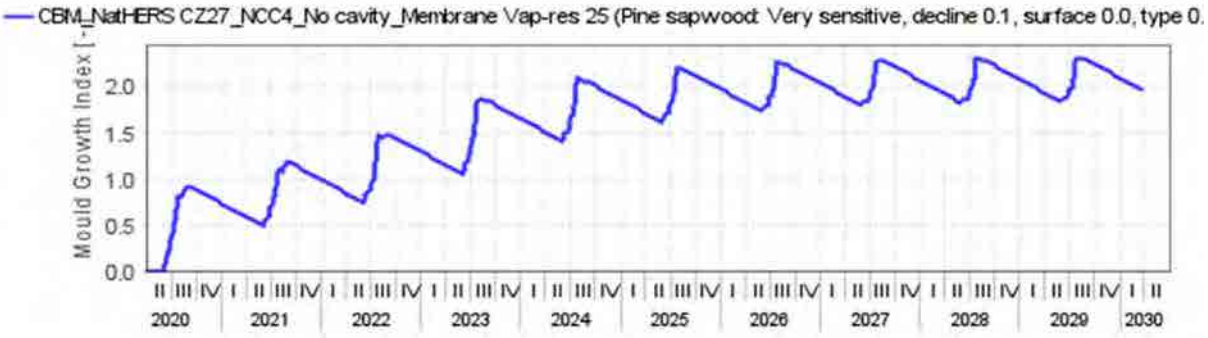

Figure 5: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – - The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

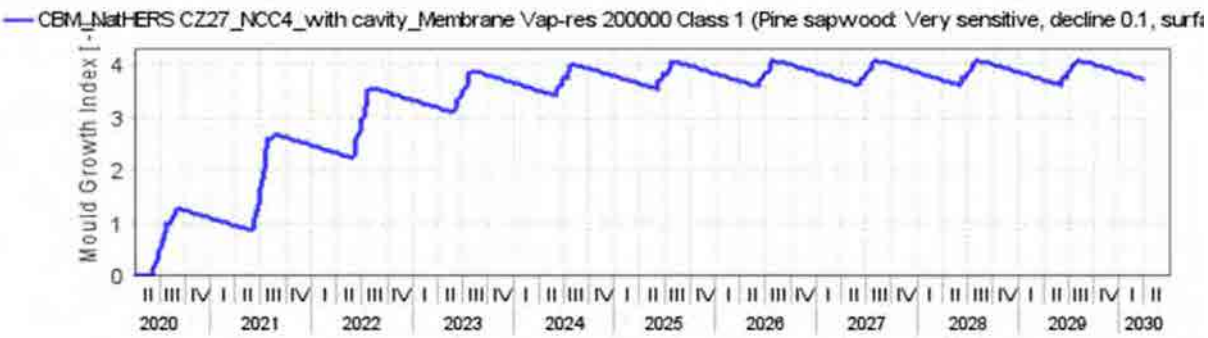

Figure 6: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

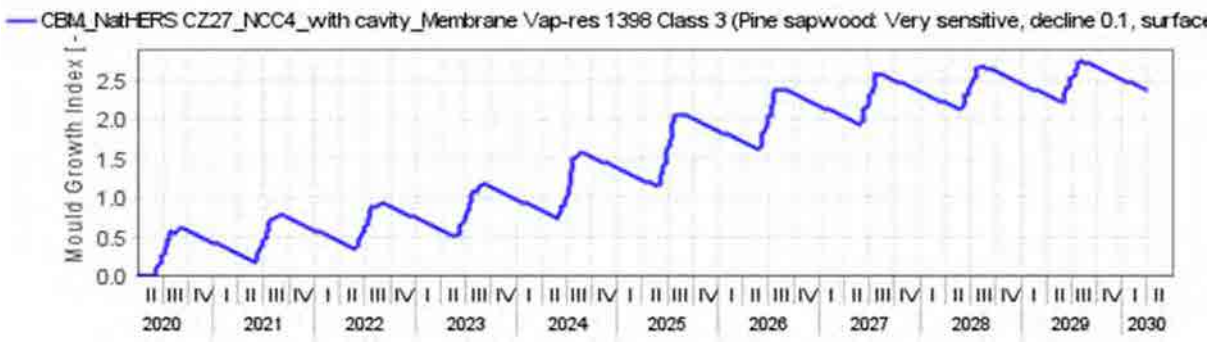

Figure 7: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

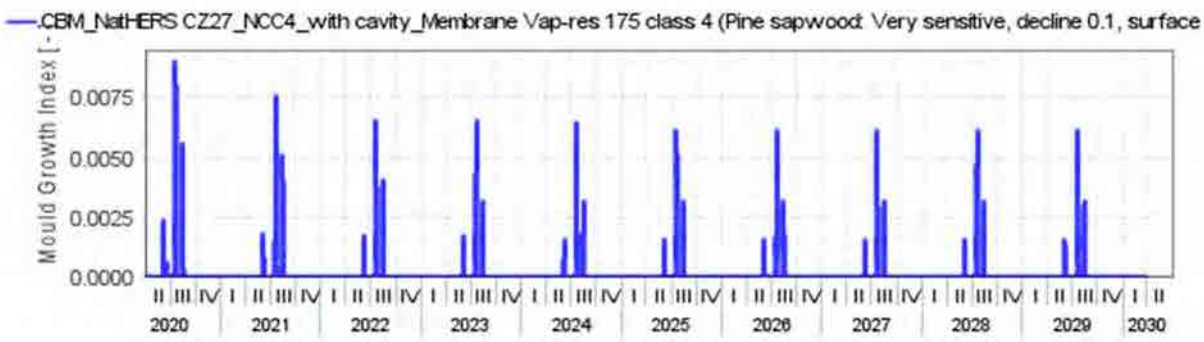

Figure 8: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

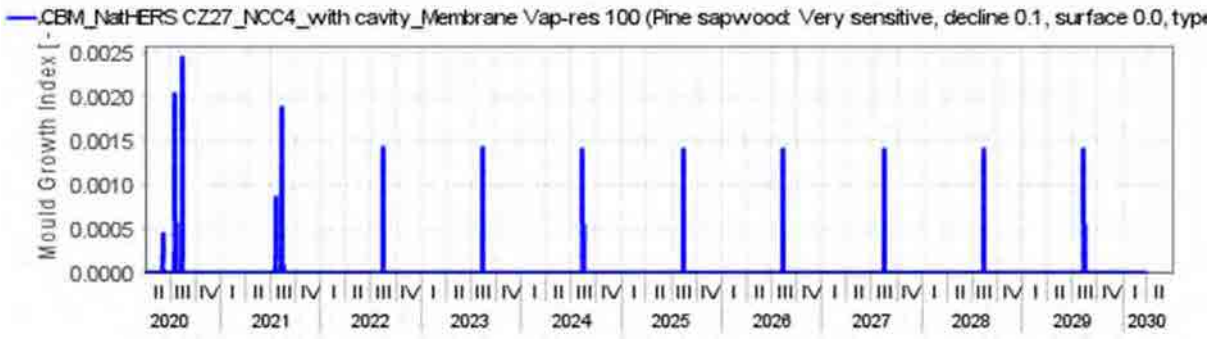

Figure 9 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

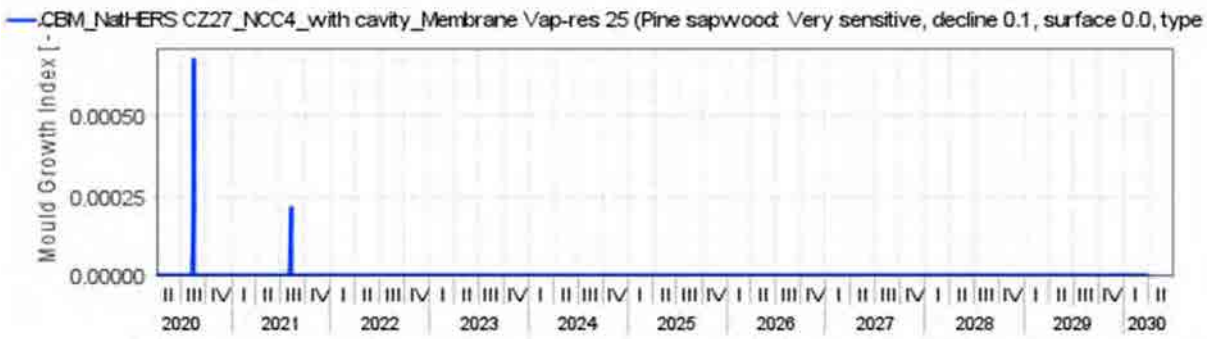

Figure 10 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

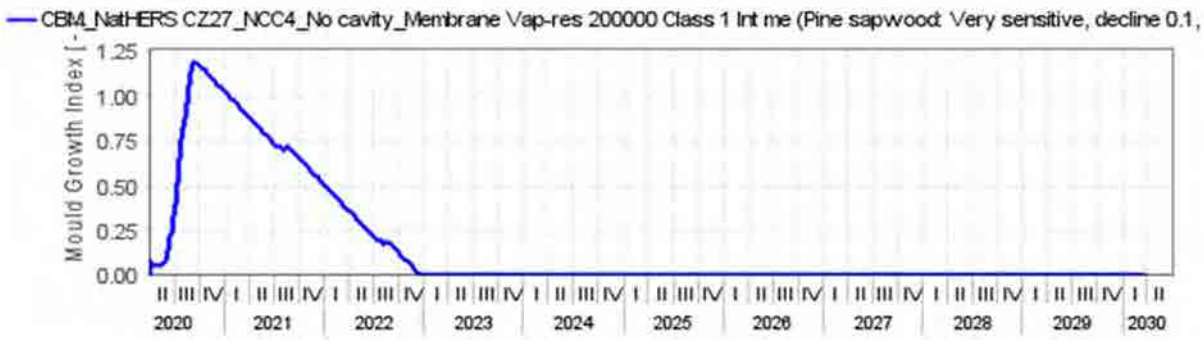

Figure 11: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

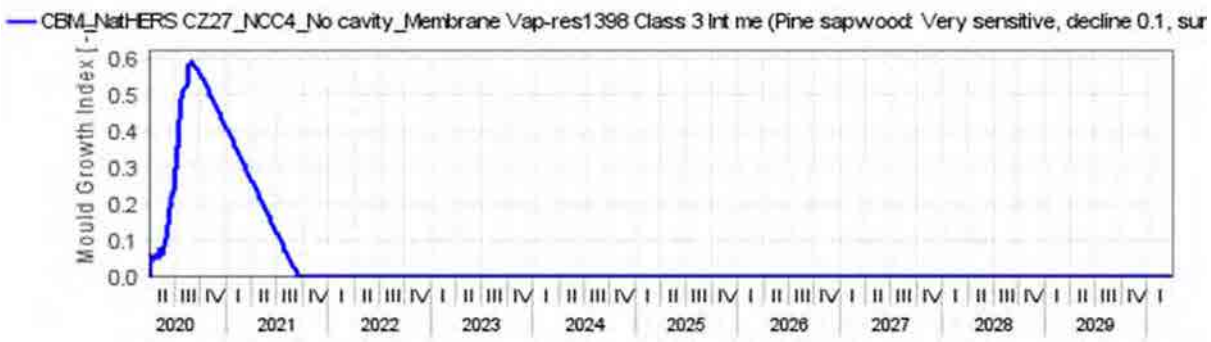

Figure 12 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

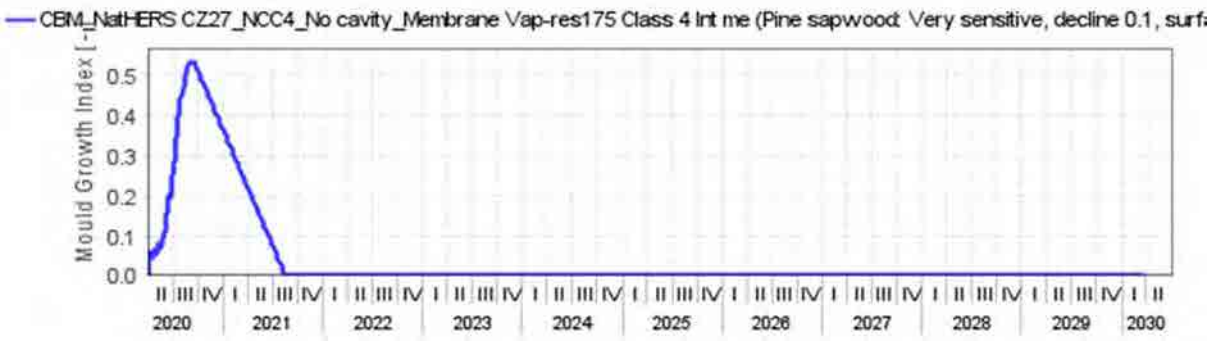

Figure 13 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

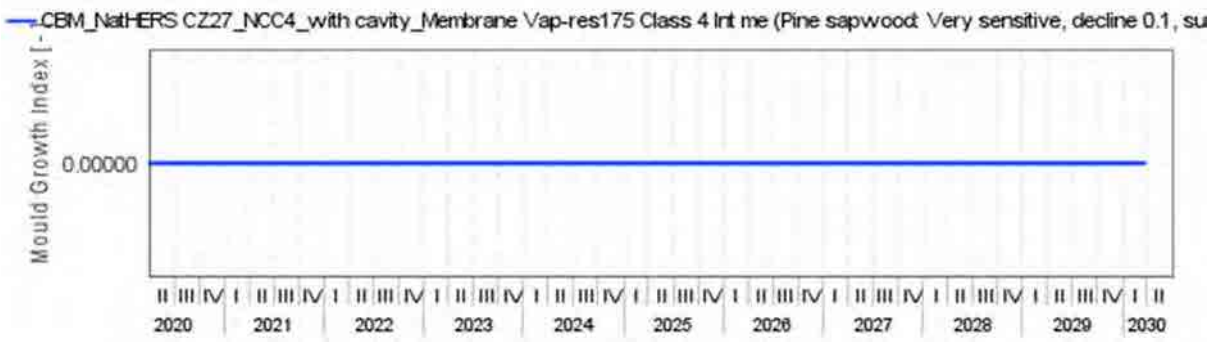

Figure 14 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

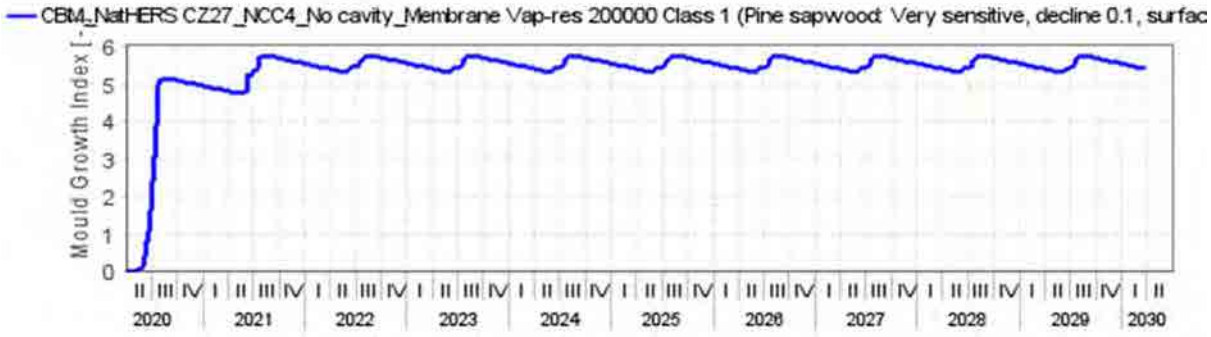

Figure 15: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

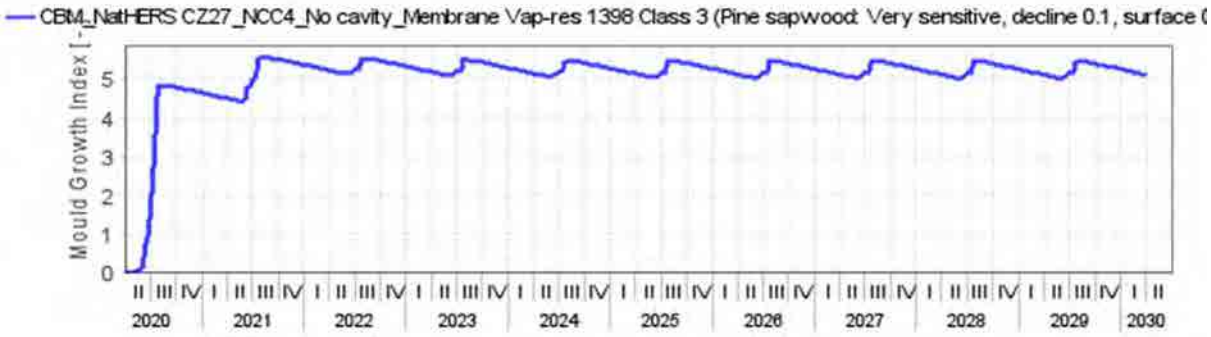

Figure 16: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

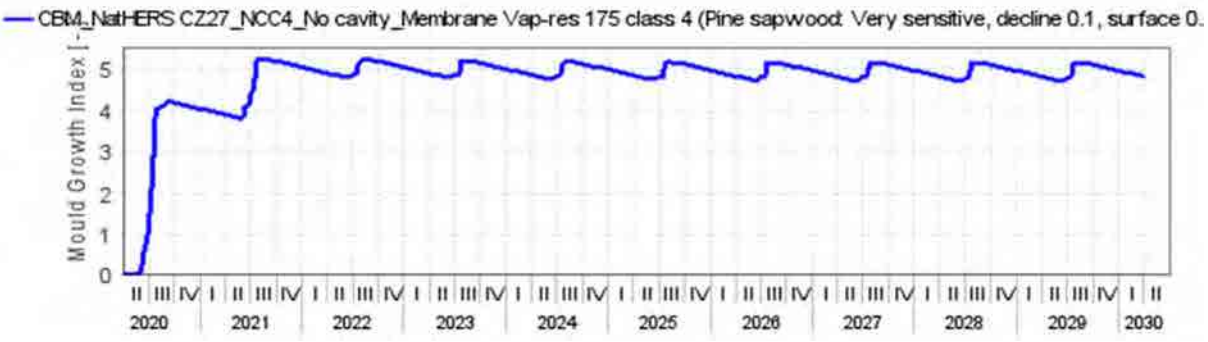

Figure 17: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

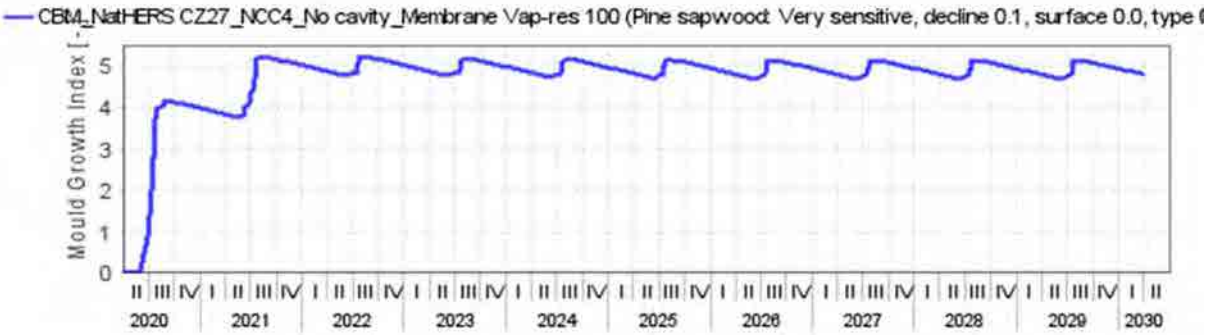

Figure 18 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

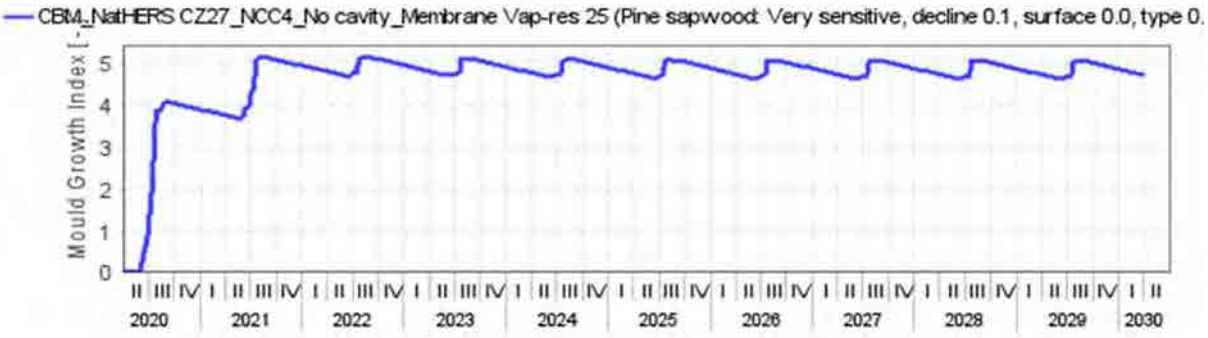

Figure 19: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

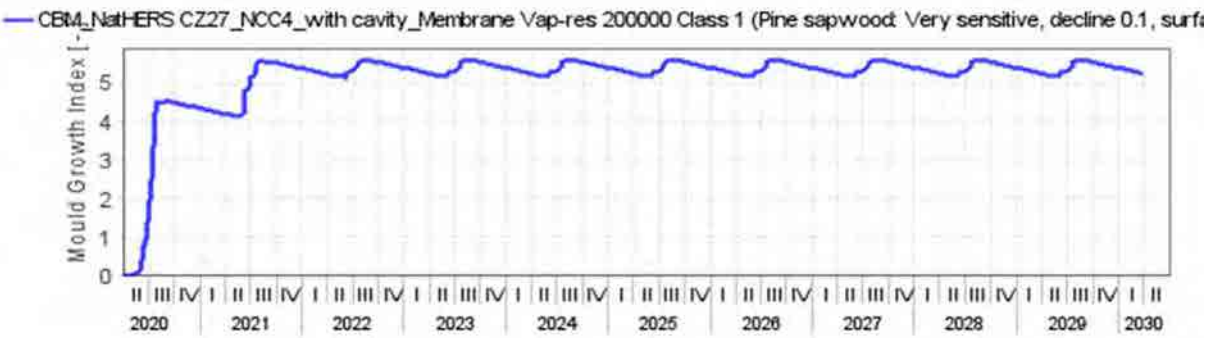

Figure 20: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

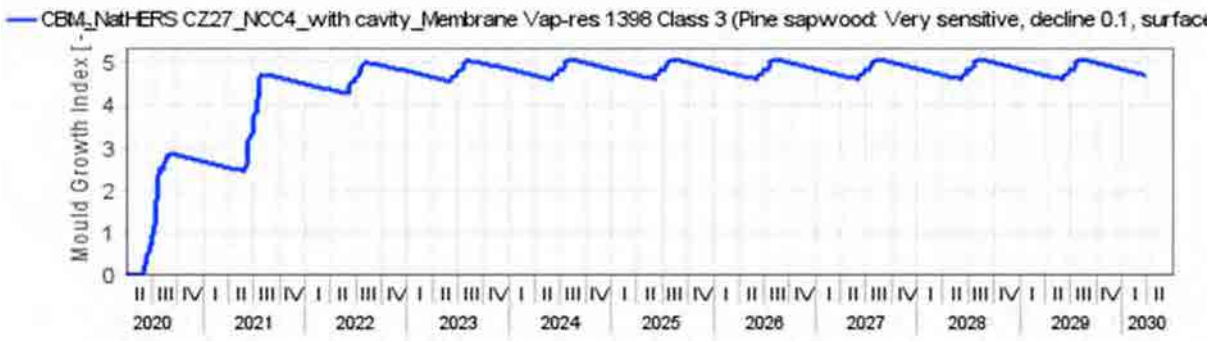

Figure 21: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

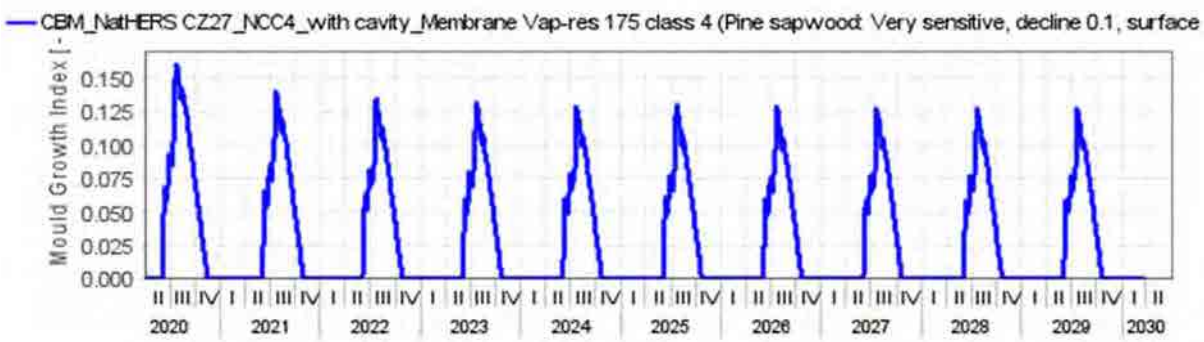

Figure 22: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

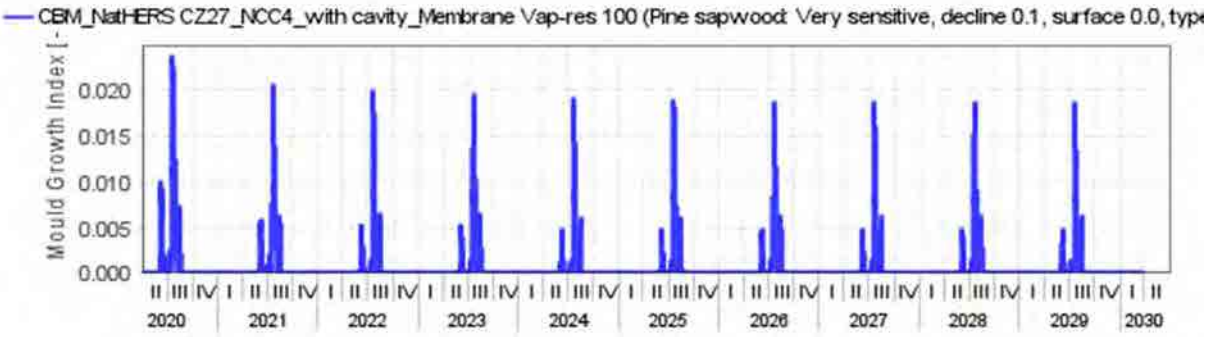

Figure 23 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

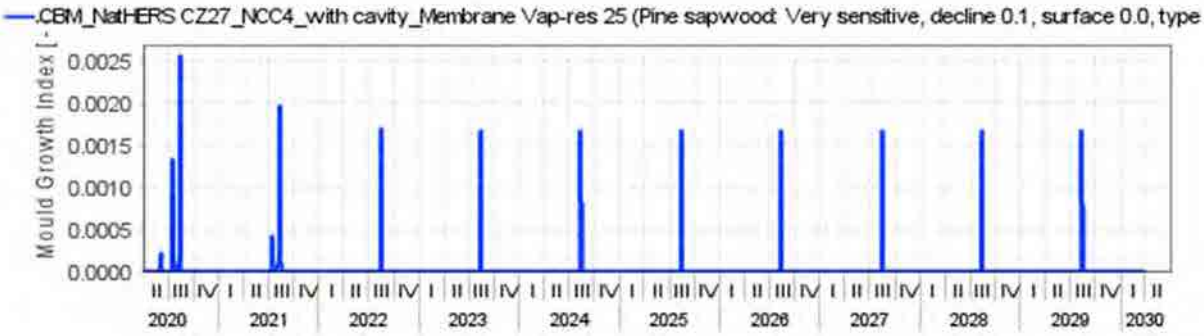

Figure 24 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

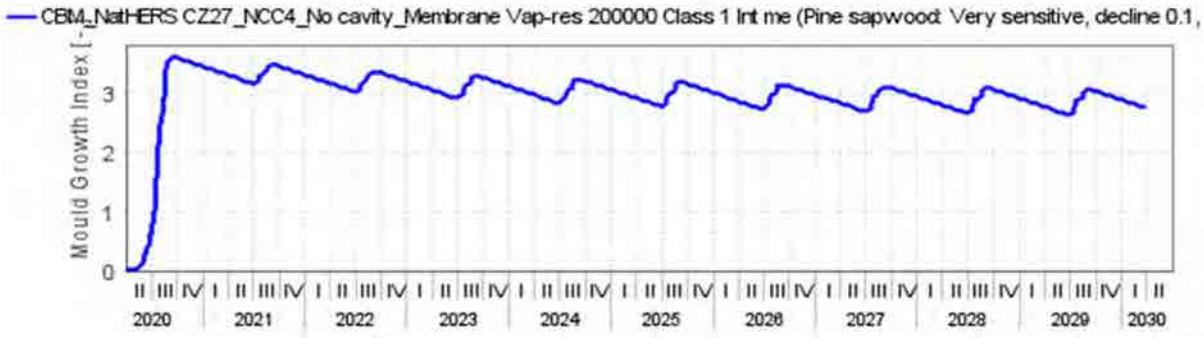

Figure 25: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

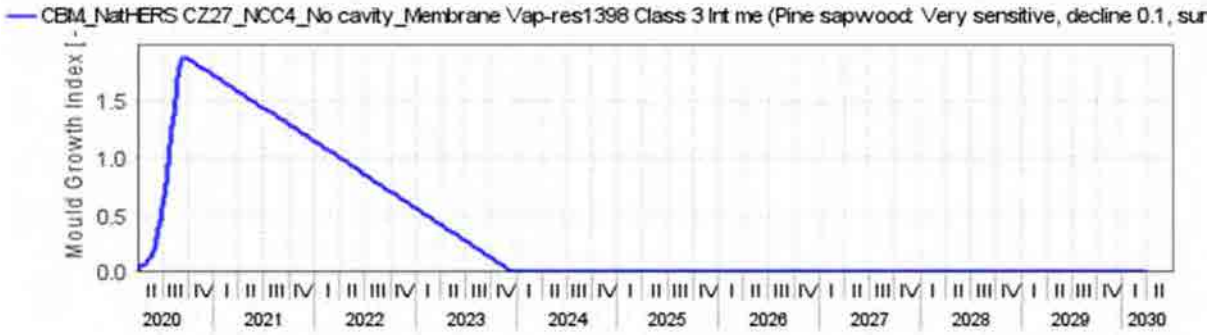

Figure 26 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

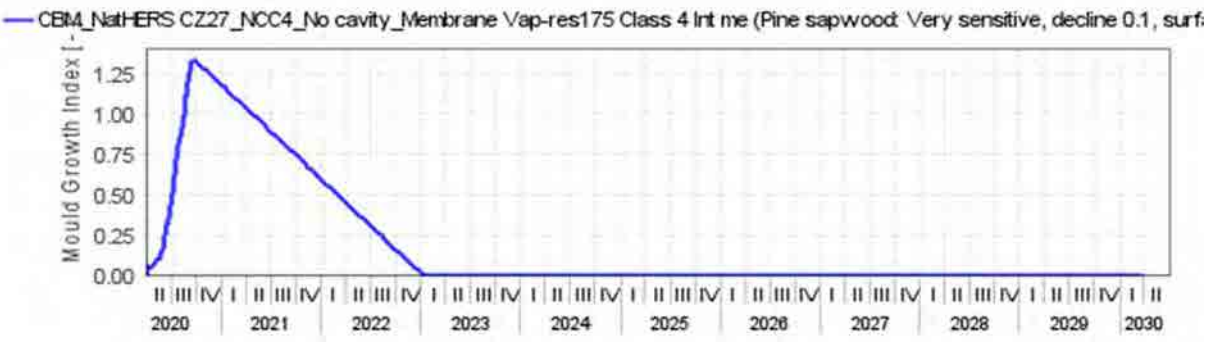

Figure 27 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

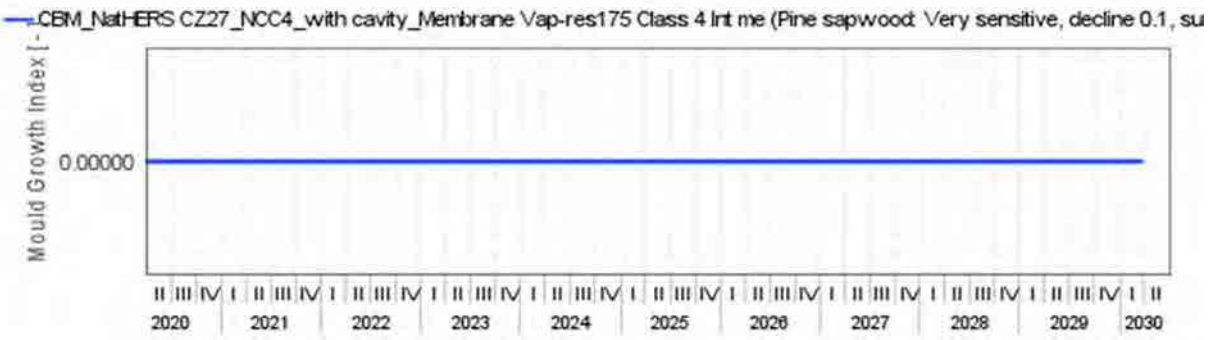

Figure 28 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

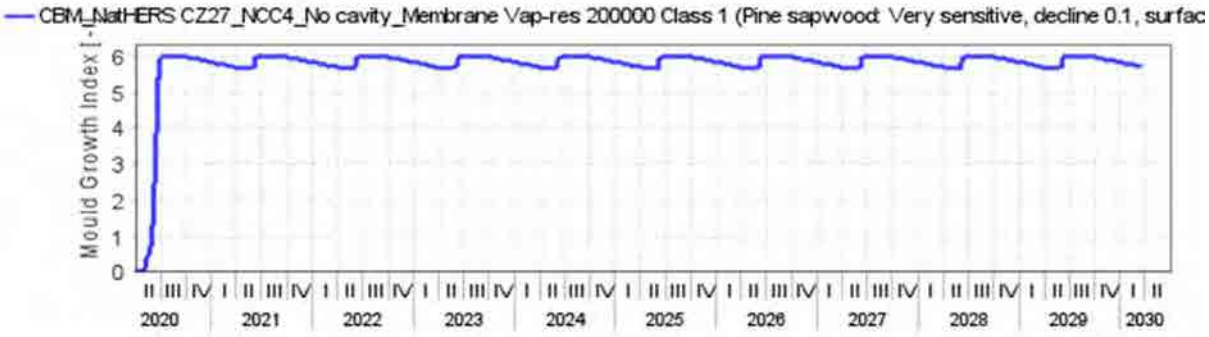

Figure 29: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

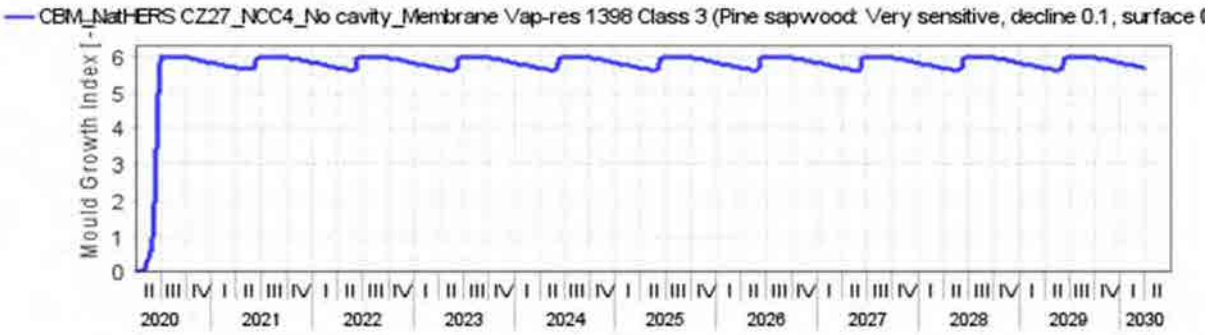

Figure 30: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

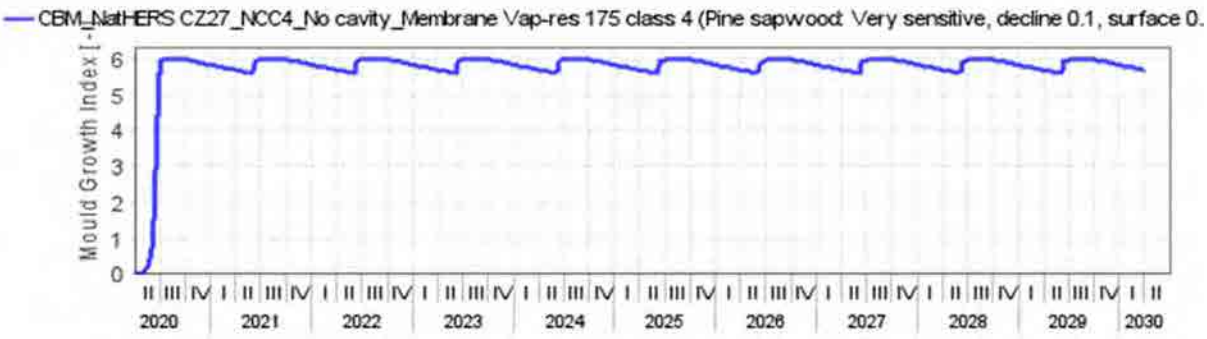

Figure 31: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

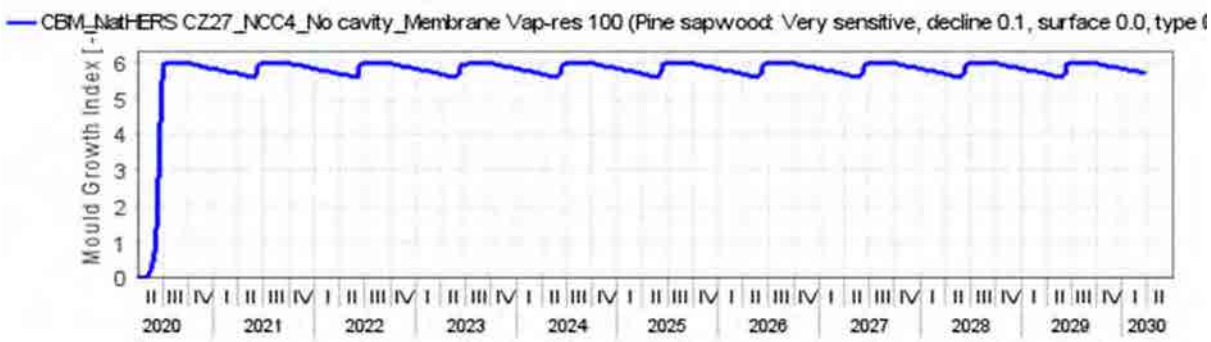

Figure 32 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

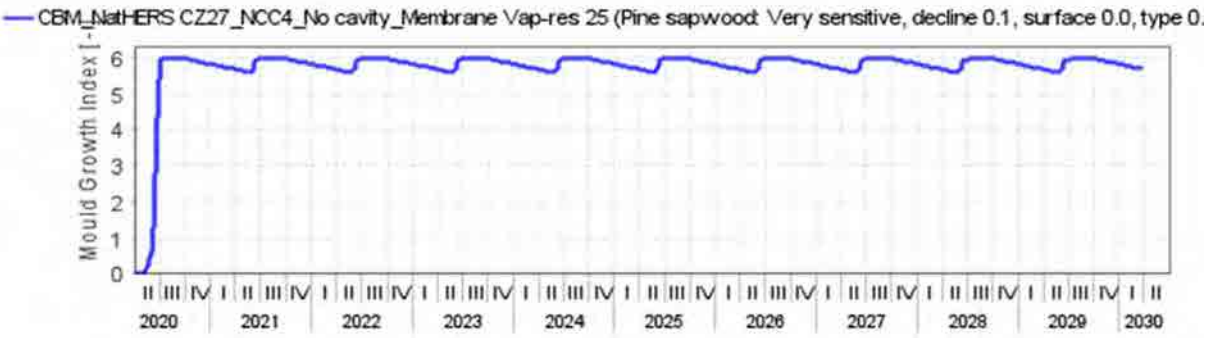

Figure 33: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

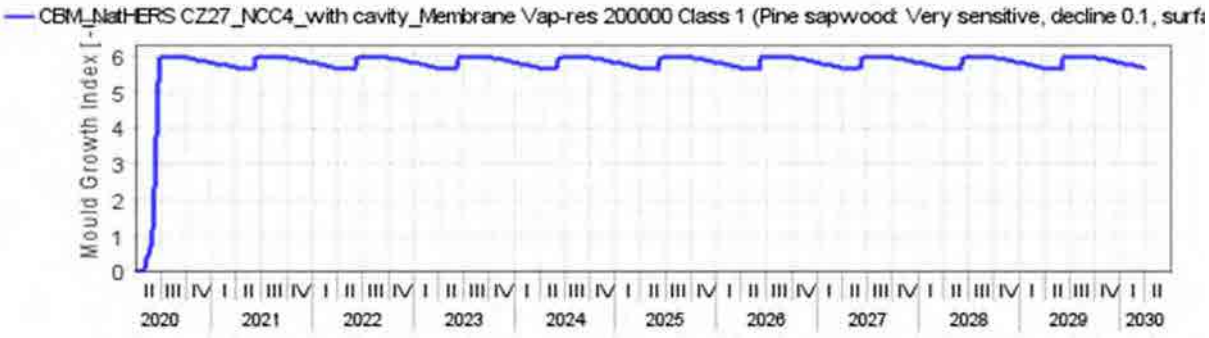

Figure 34: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

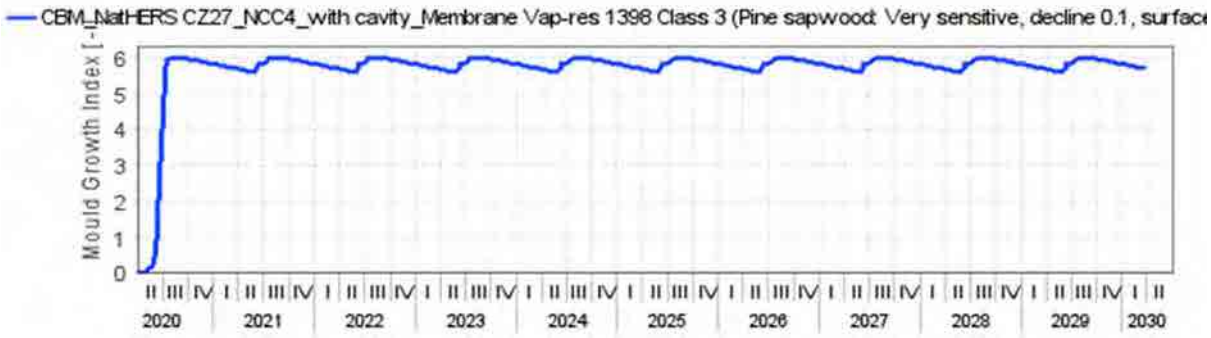

Figure 35: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

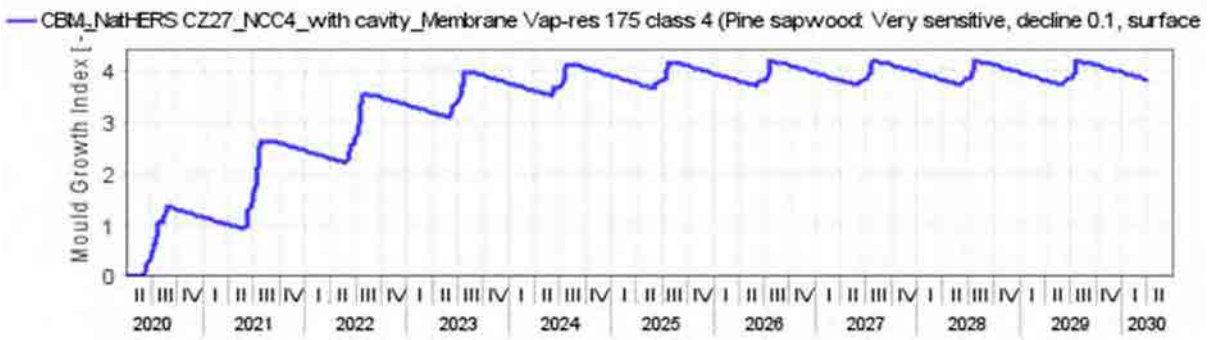

Figure 36: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

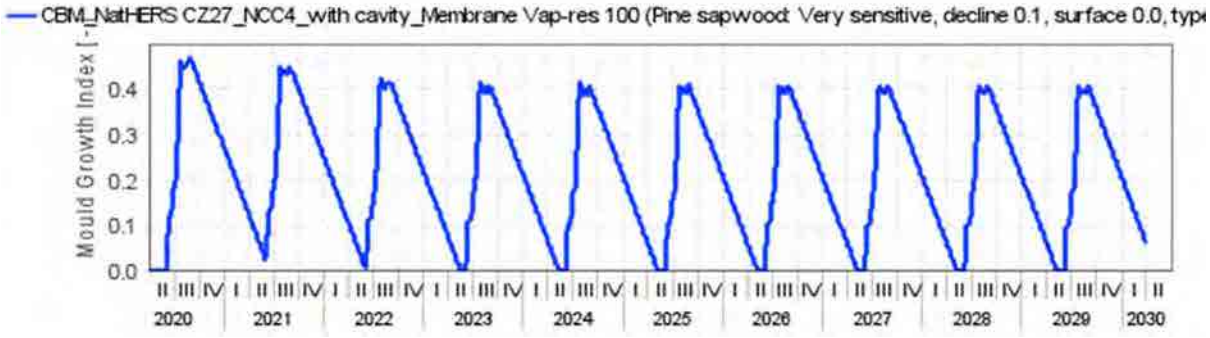

Figure 37 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

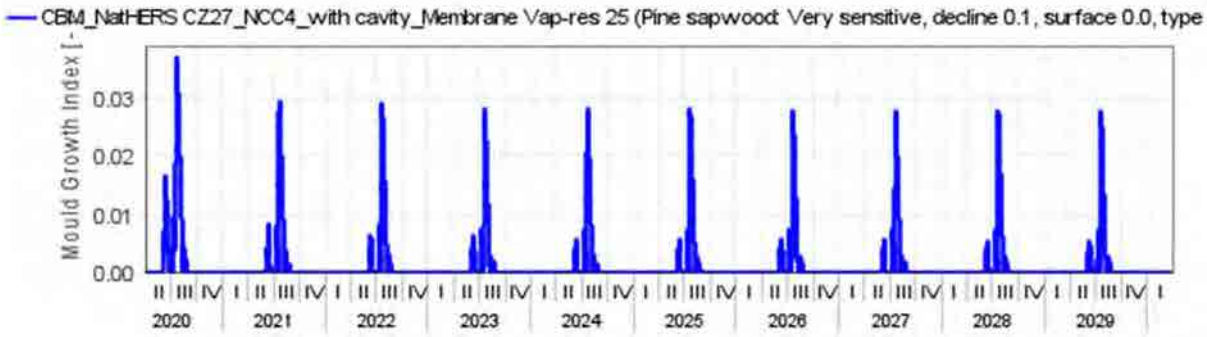

Figure 38 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

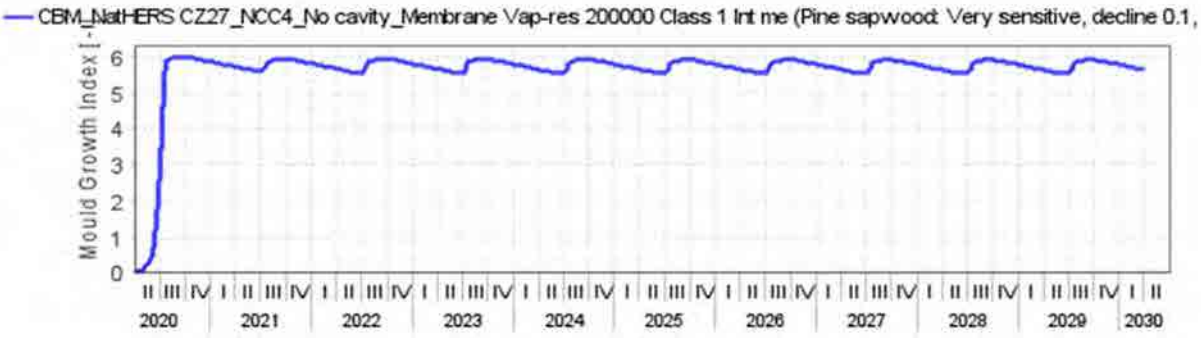

Figure 39: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

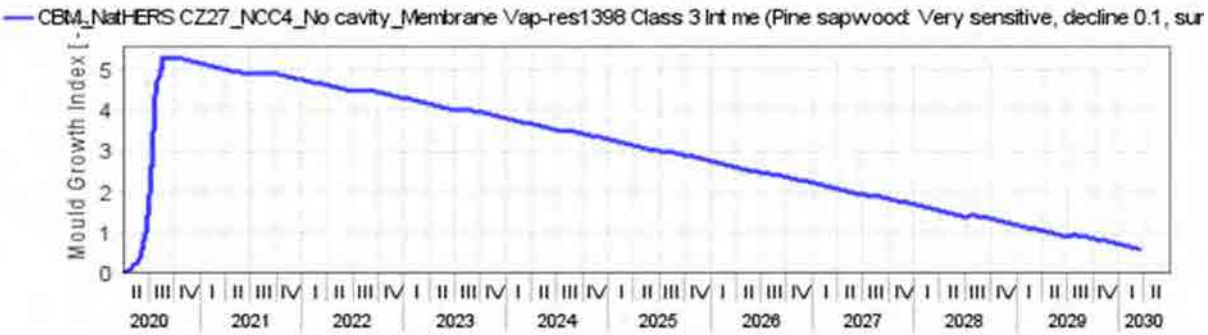

Figure 40 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

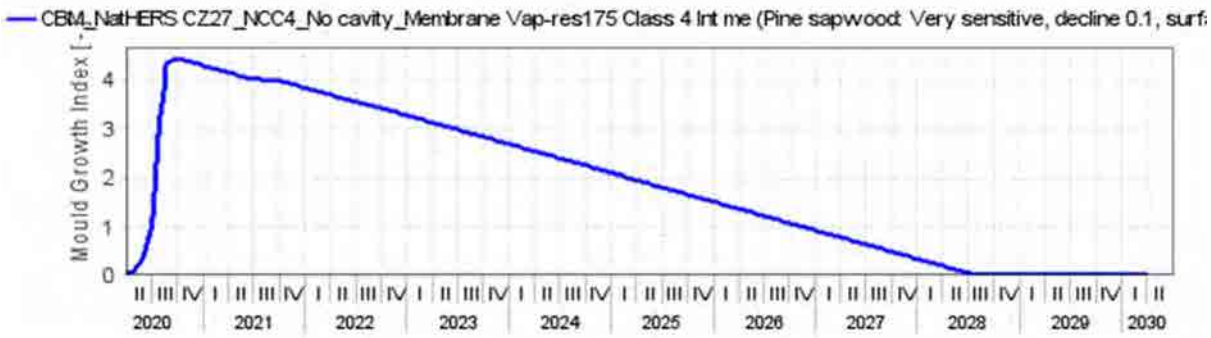

Figure 41 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

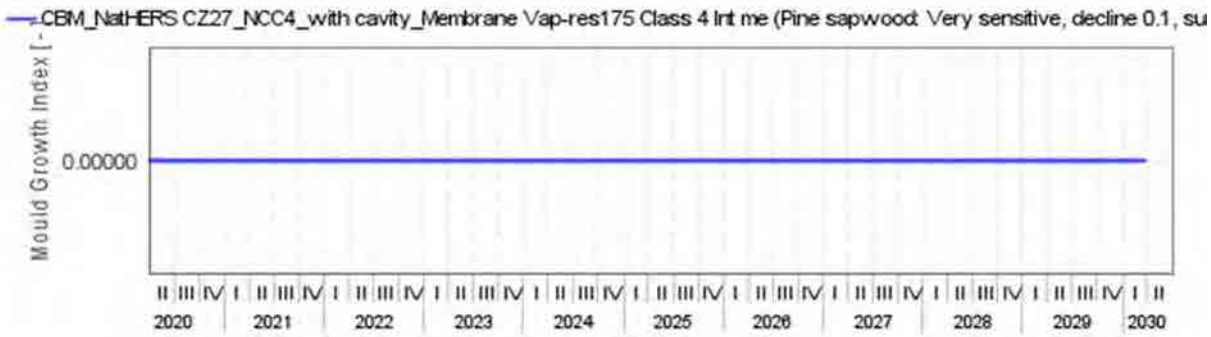

Figure 42 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

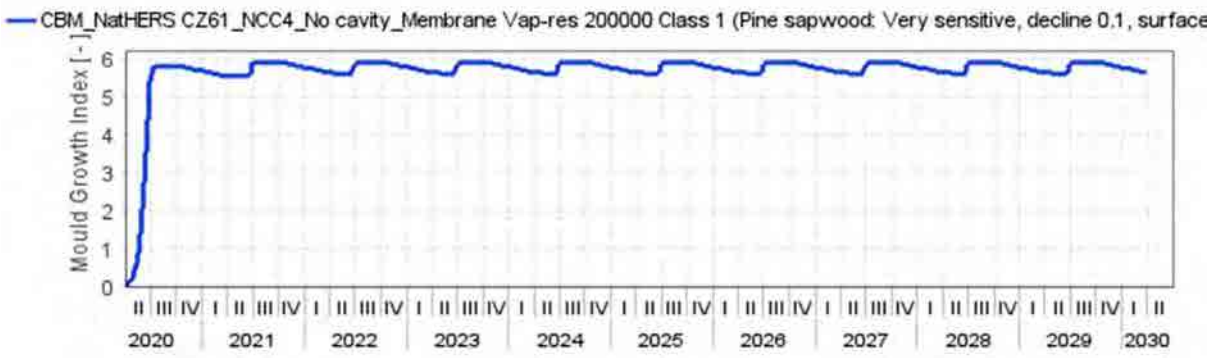

Figure 43: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 44: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

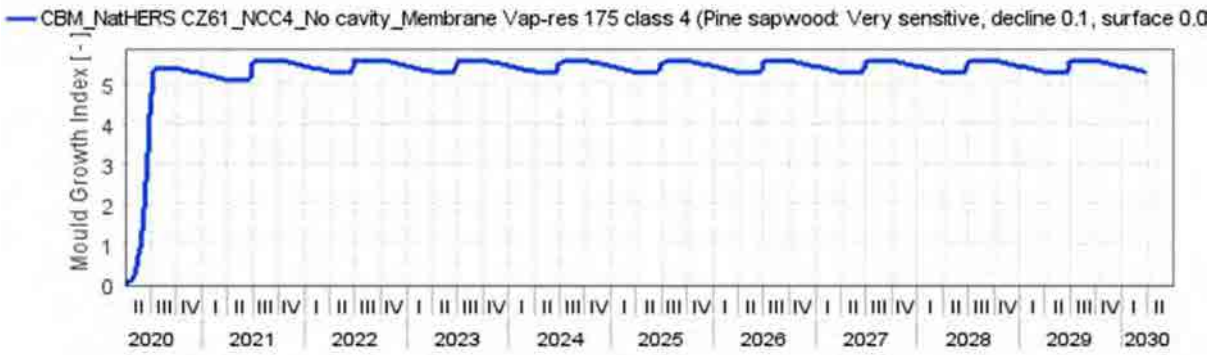

Figure 45: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

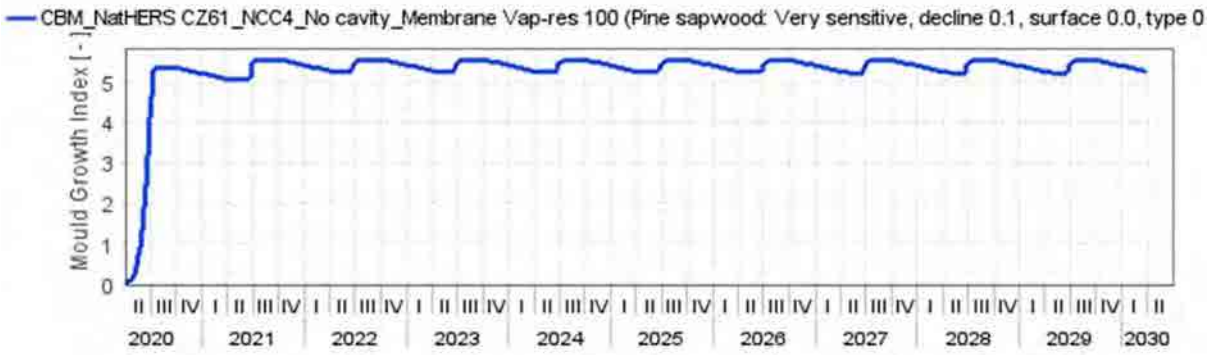

Figure 46 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

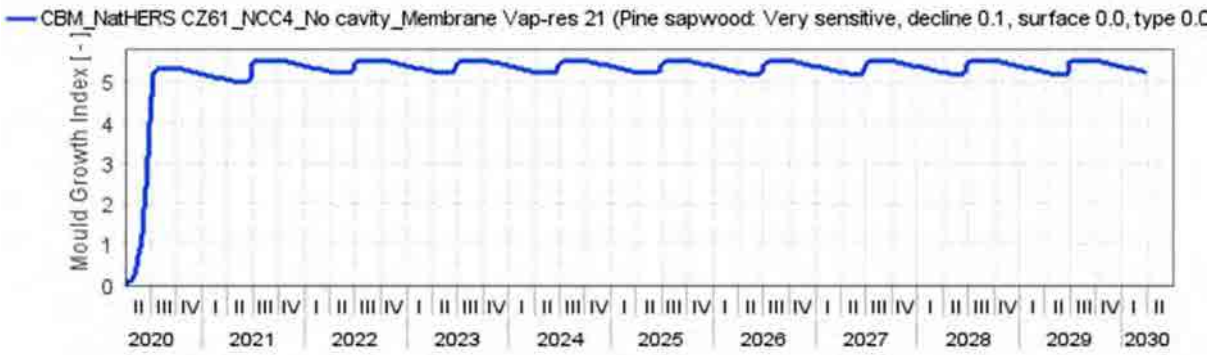

Figure 47: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

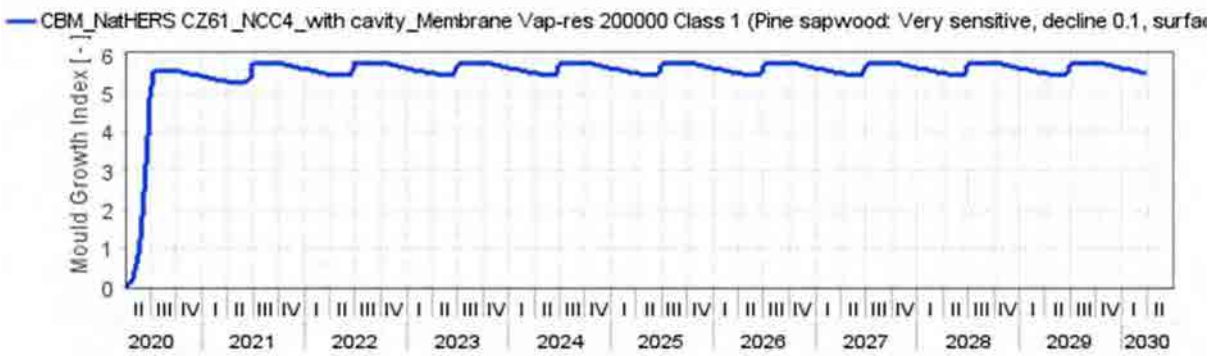

Figure 48: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

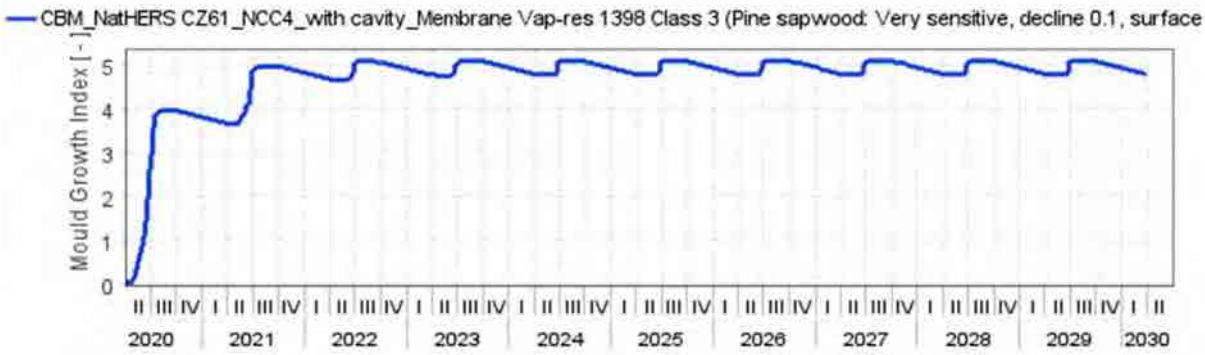

Figure 49: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

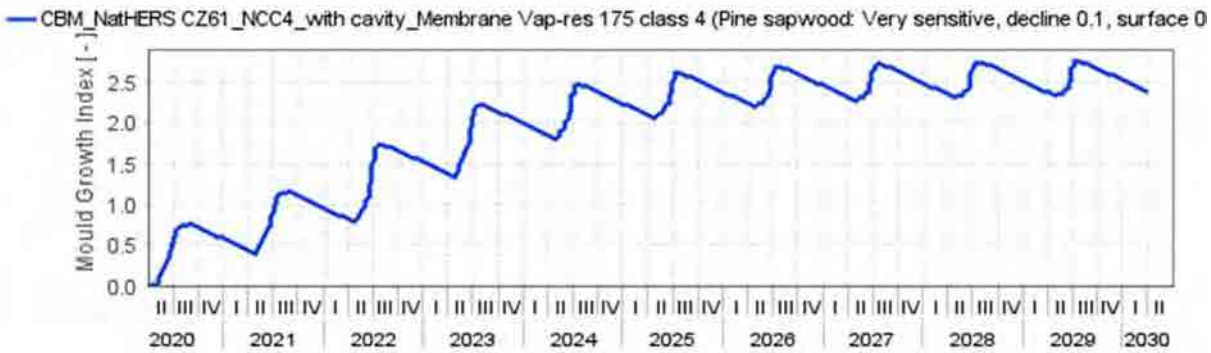

Figure 50: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

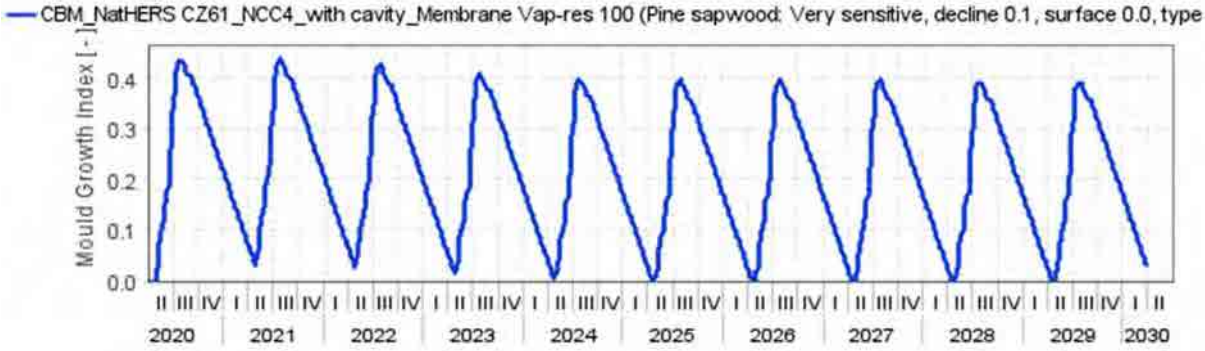

Figure 51 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

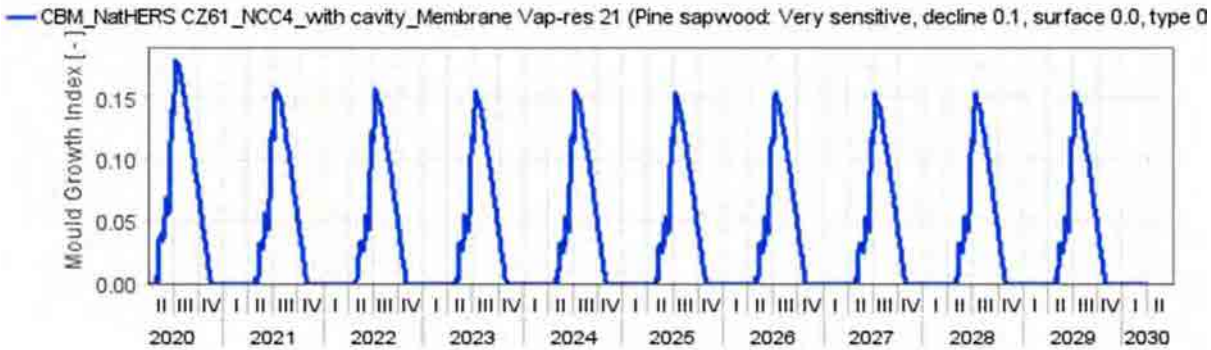

Figure 52 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

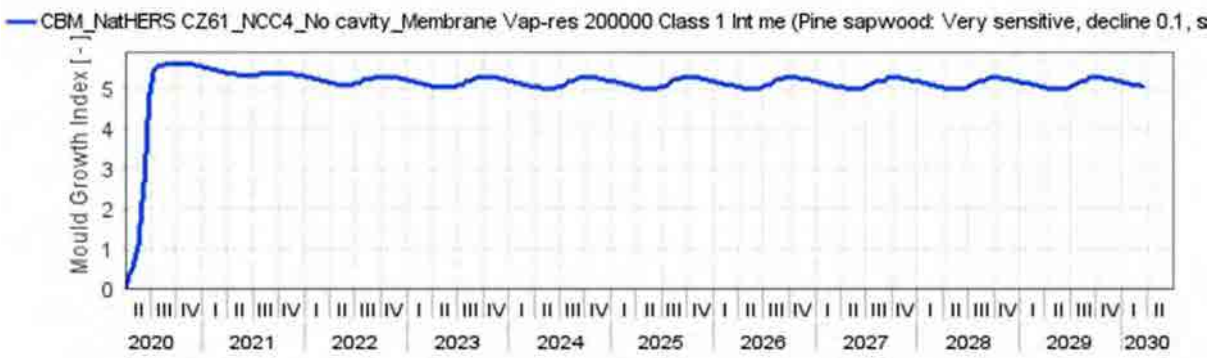

Figure 53: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

Figure 54 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

Figure 55 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

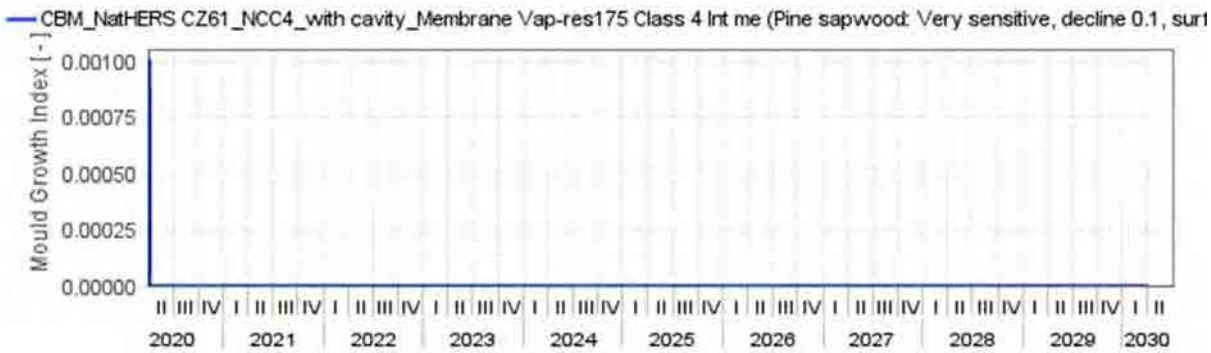

Figure 56 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

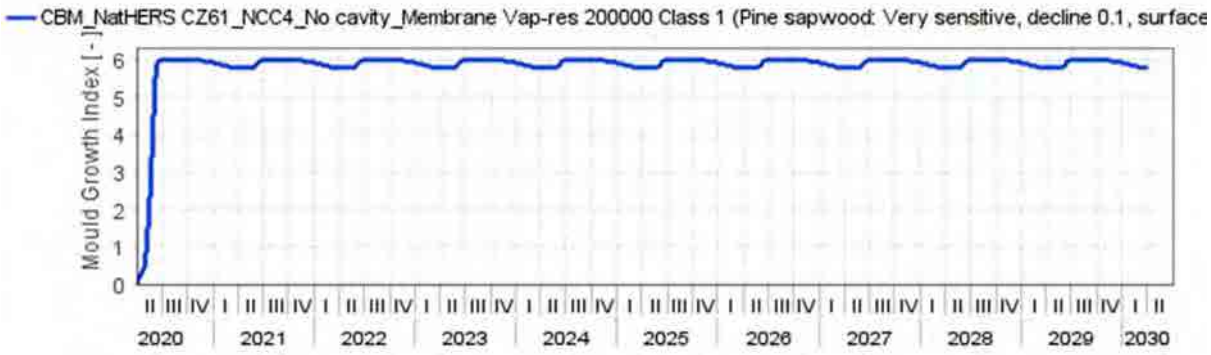

Figure 57: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

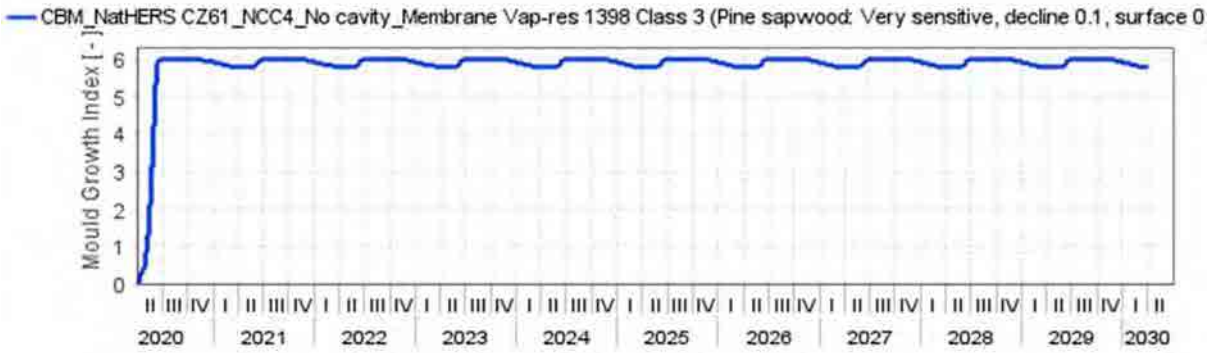

Figure 58: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

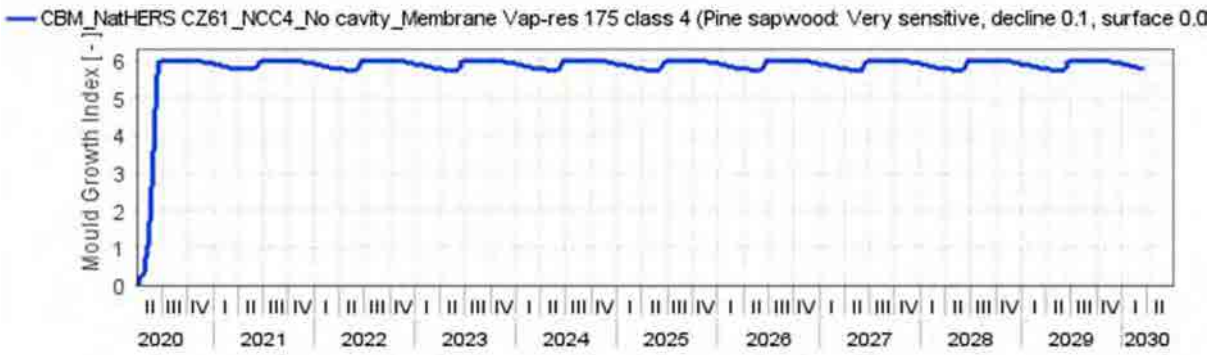

Figure 59: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

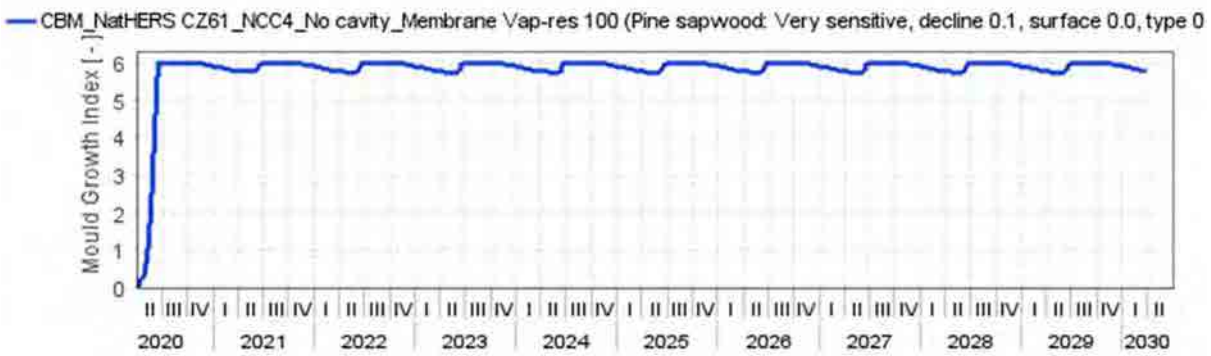

Figure 60 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

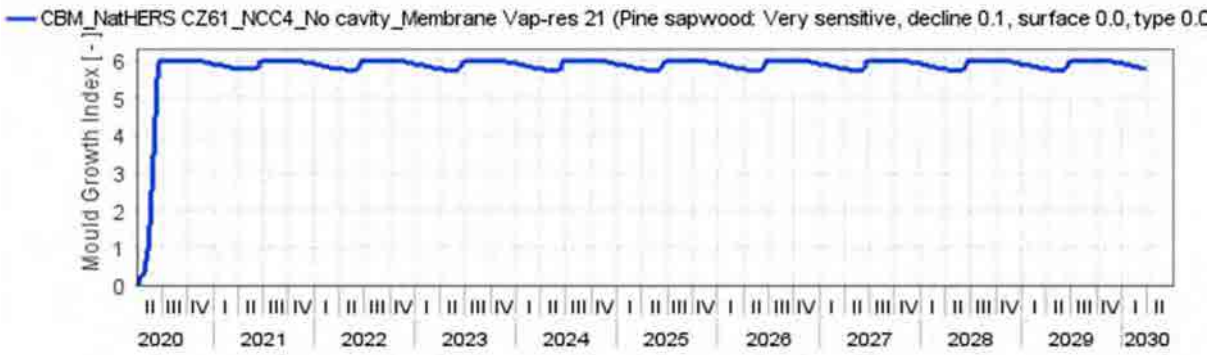

Figure 61: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

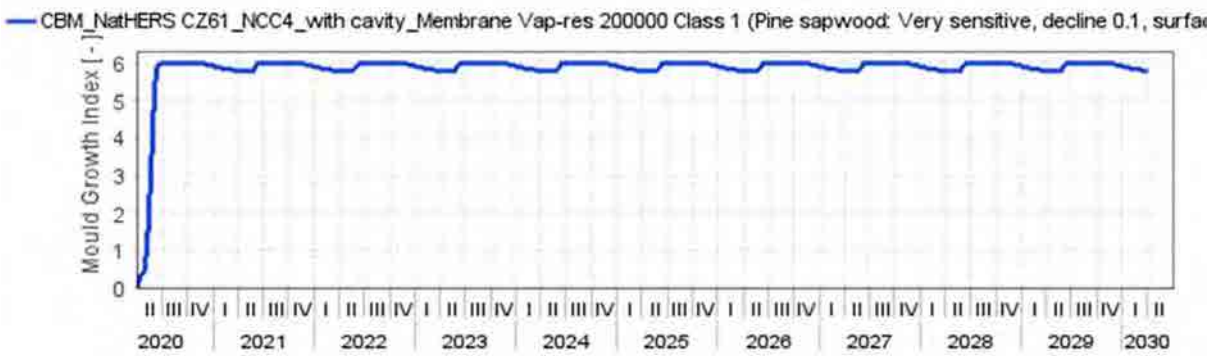

Figure 62: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

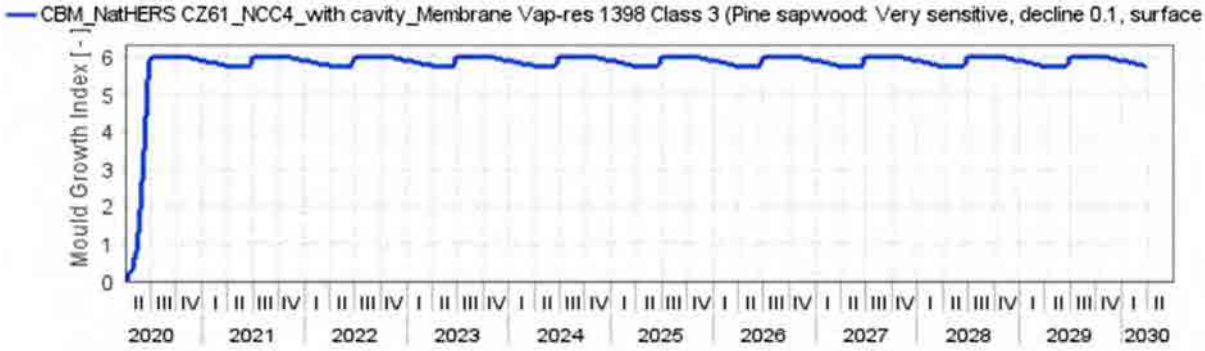

Figure 63: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 64: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

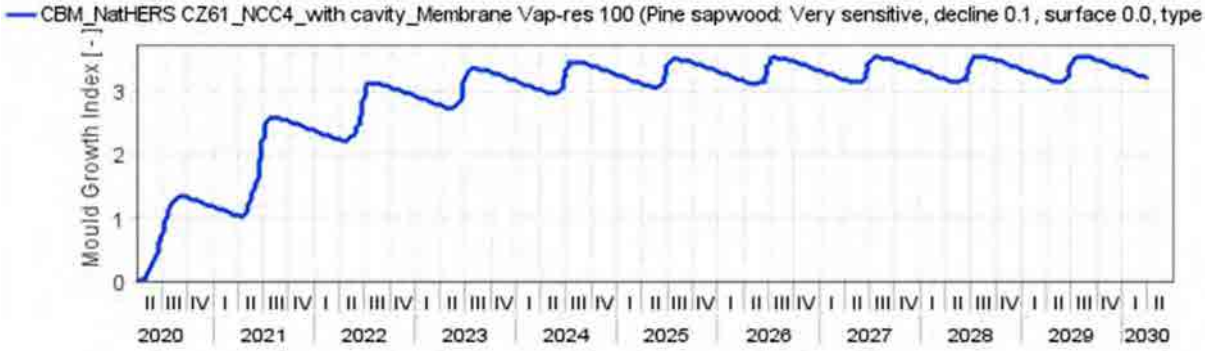

Figure 65 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

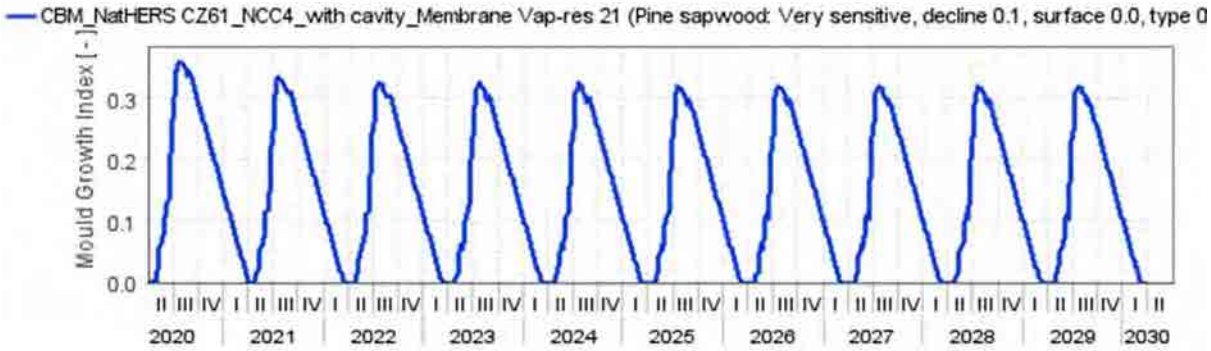

Figure 66 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

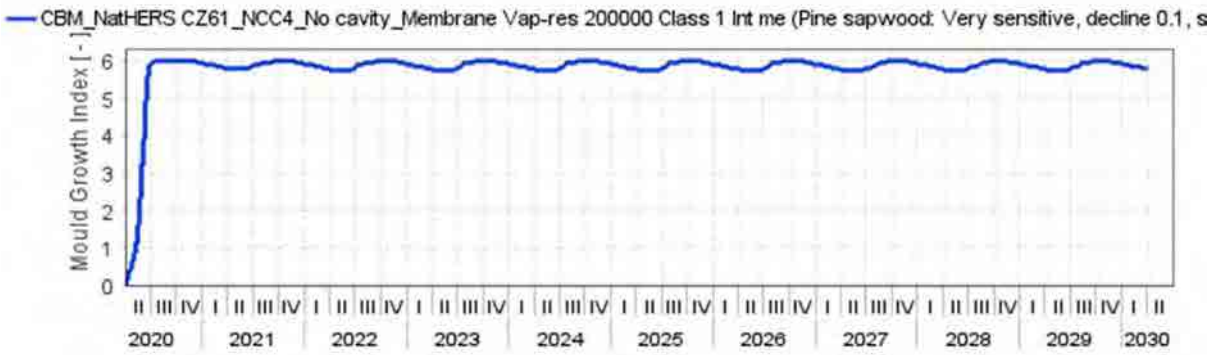

Figure 67: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

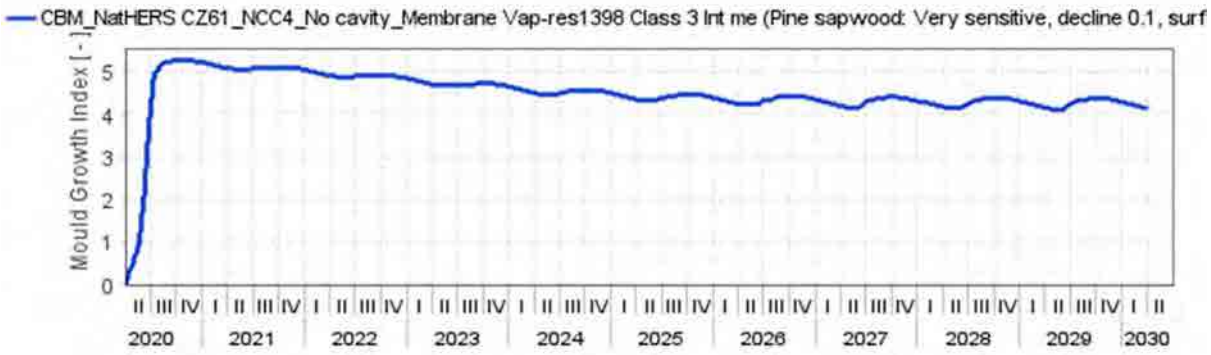

Figure 68 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 69 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

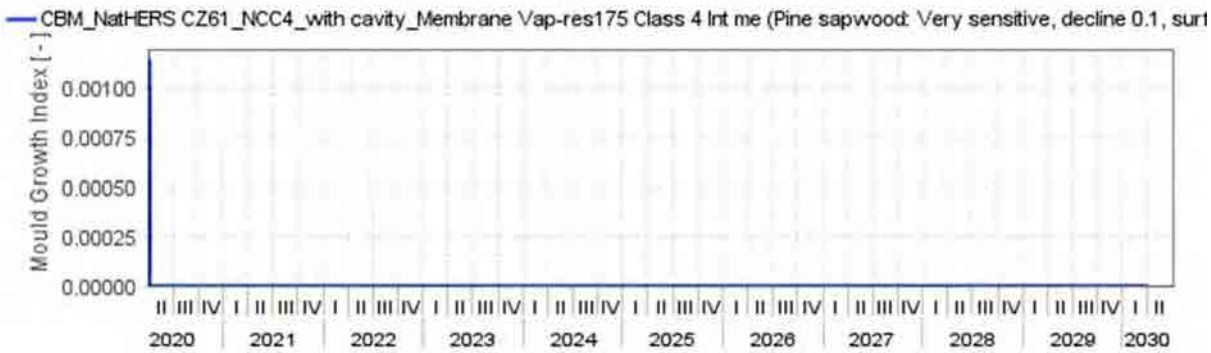

Figure 70 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

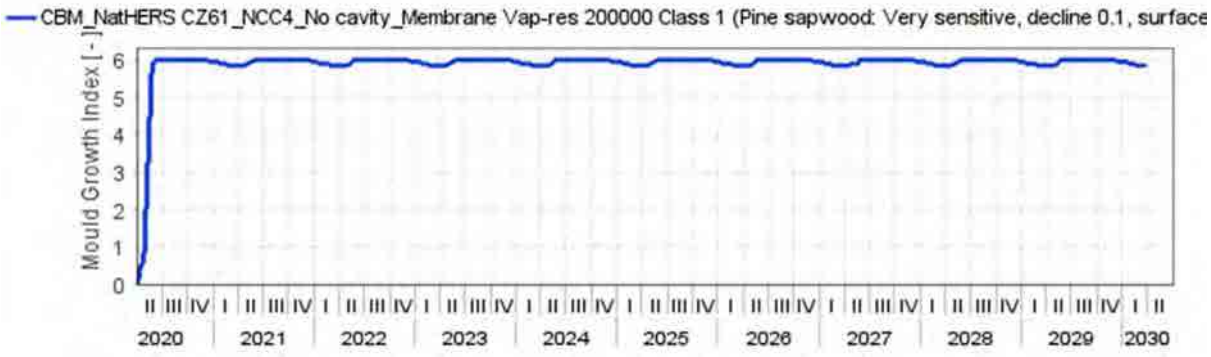

Figure 71: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

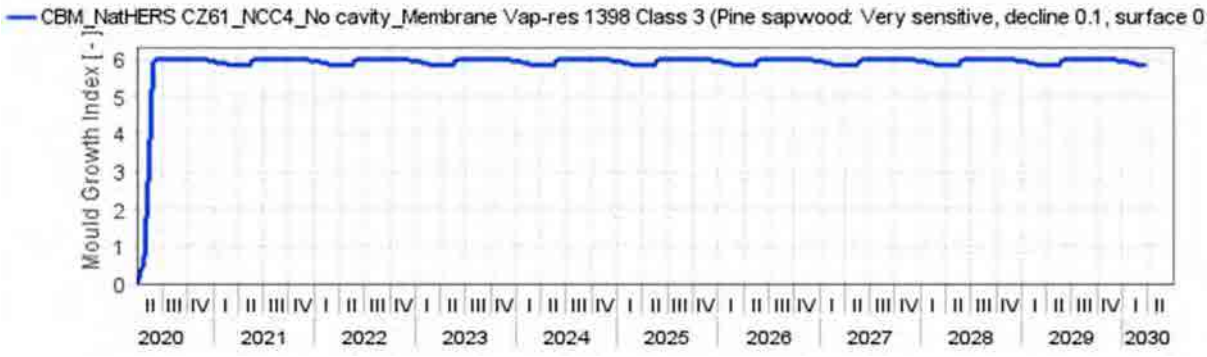

Figure 72: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

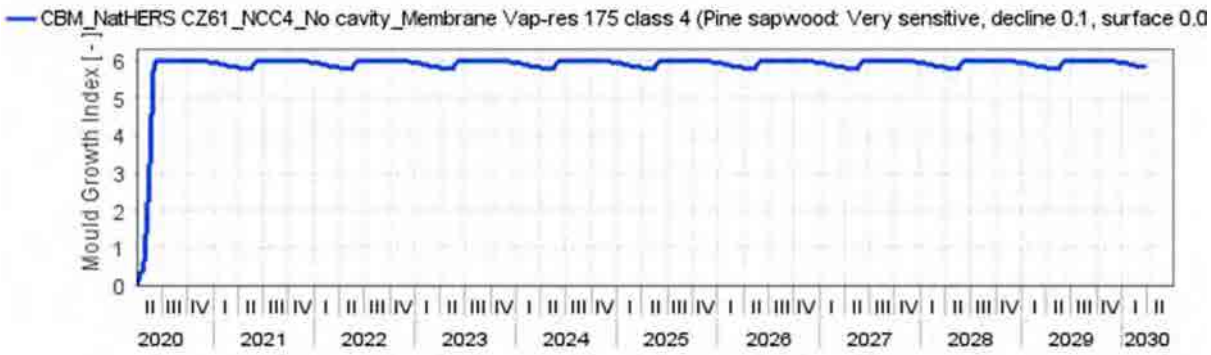

Figure 73: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

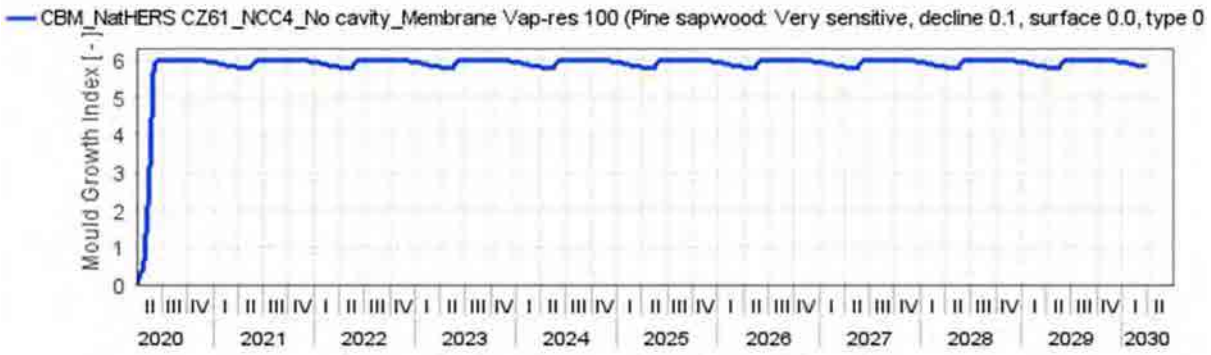

Figure 74 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

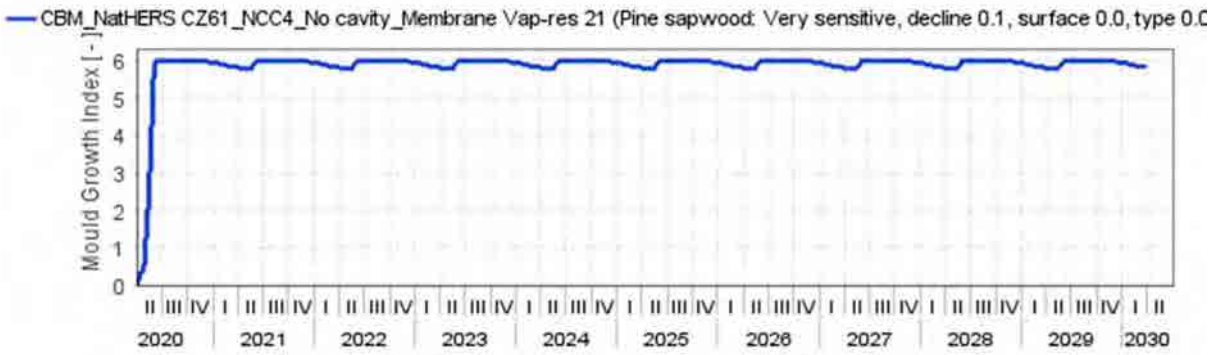

Figure 75: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

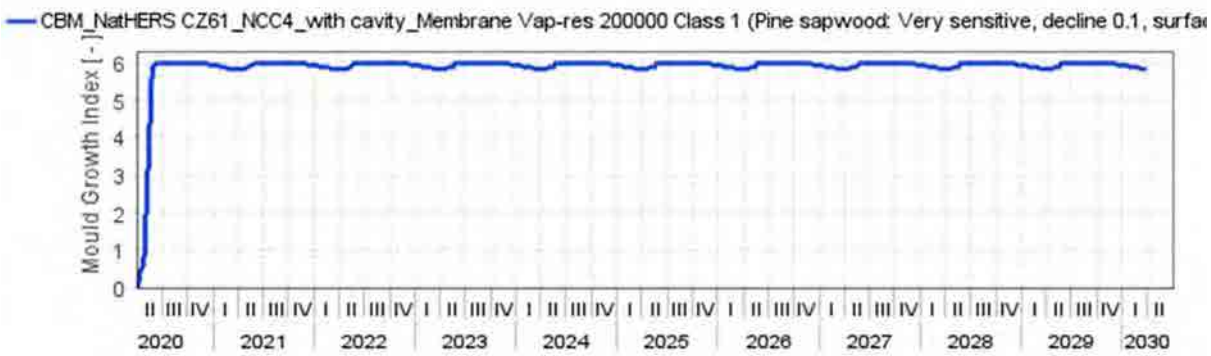

Figure 76: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

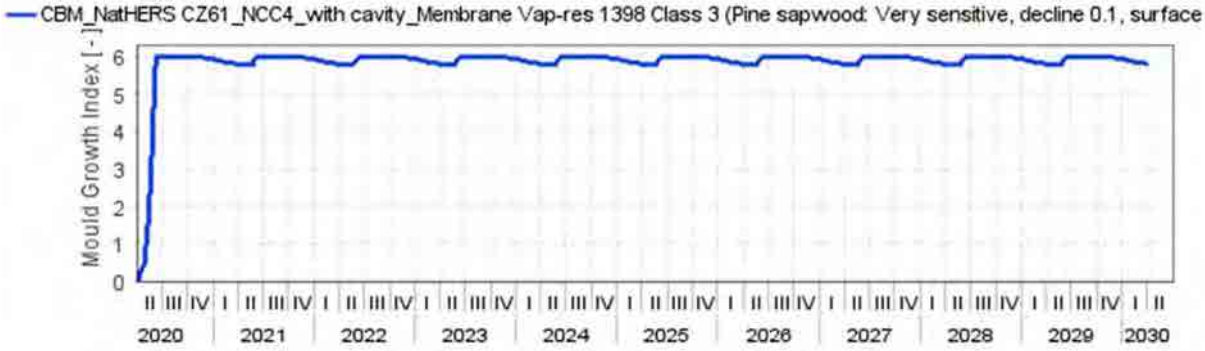

Figure 77: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

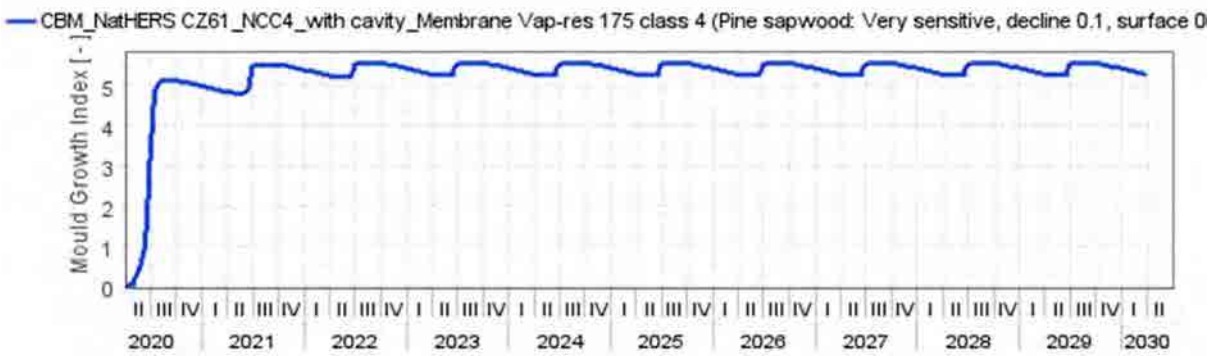

Figure 78: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

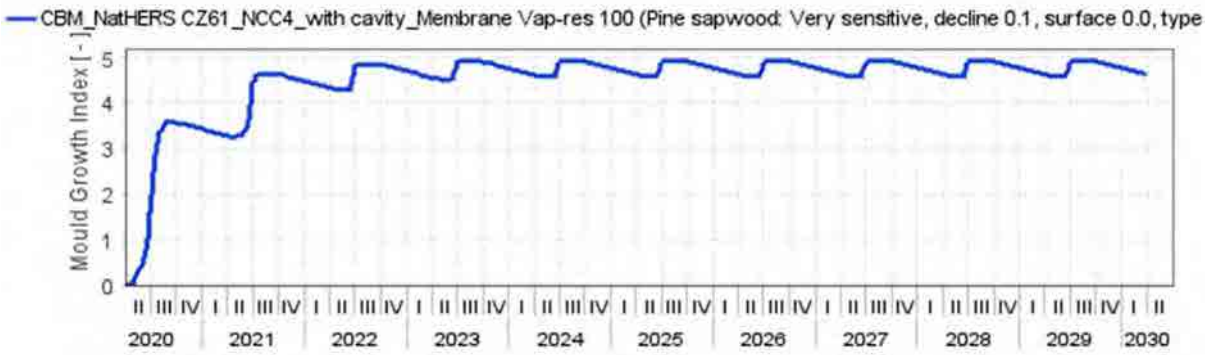

Figure 79 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

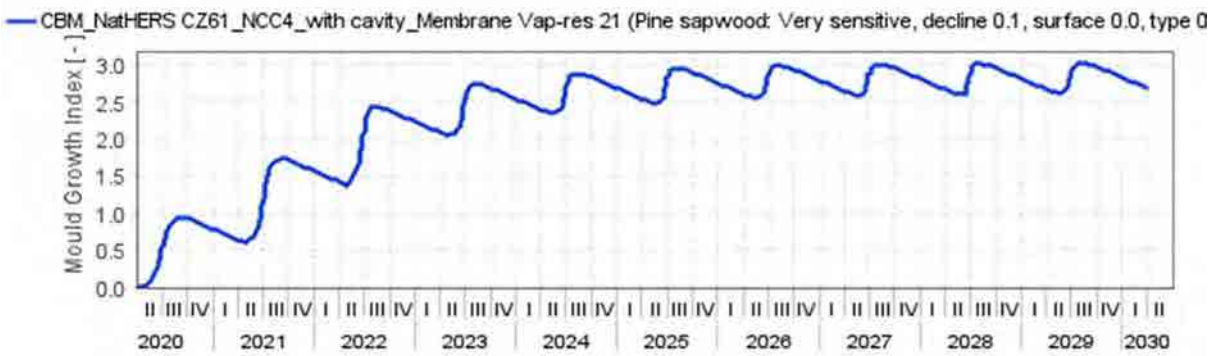

Figure 80 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

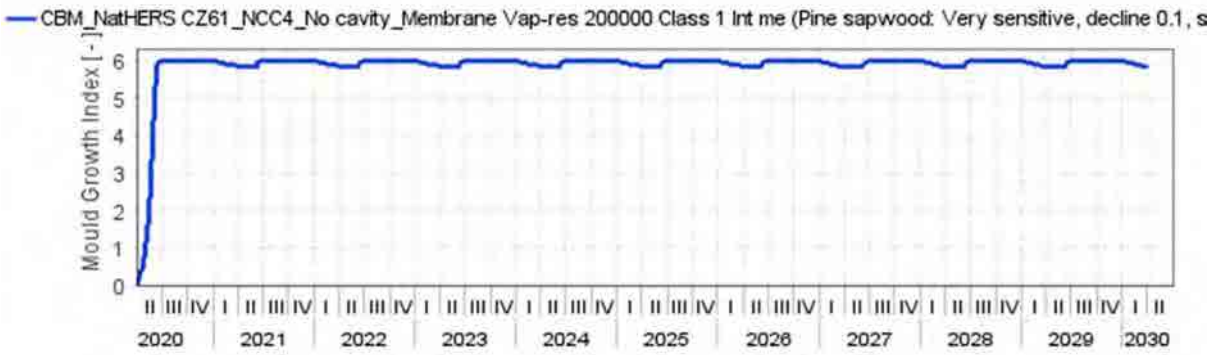

Figure 81: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

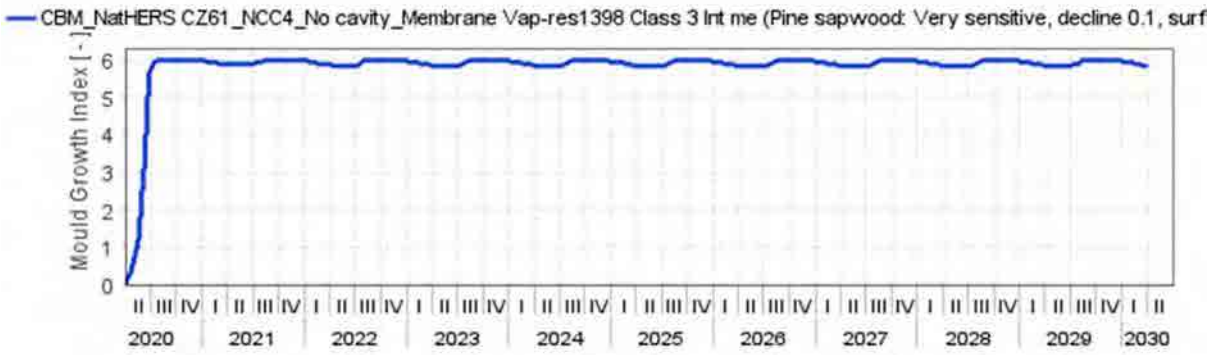

Figure 82 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

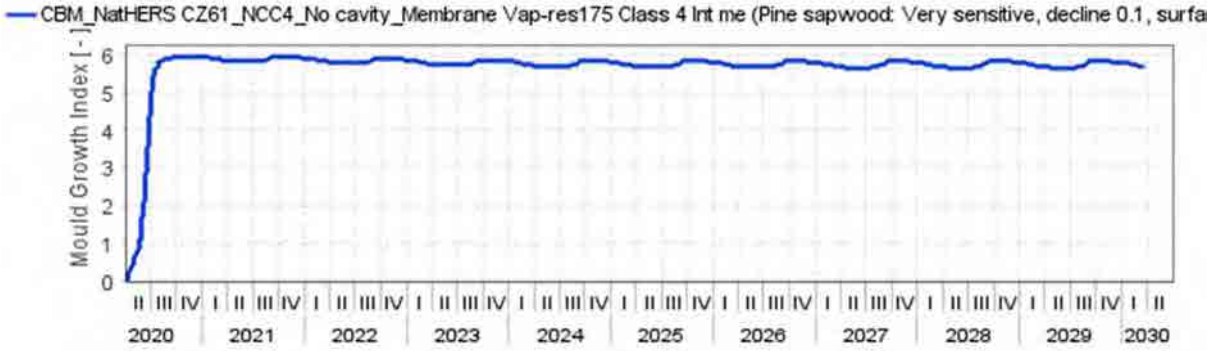

Figure 83 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

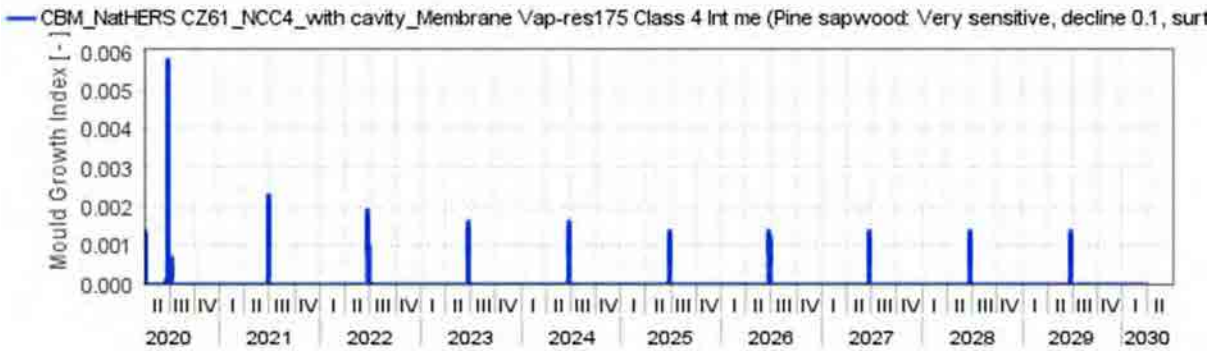

Figure 84 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

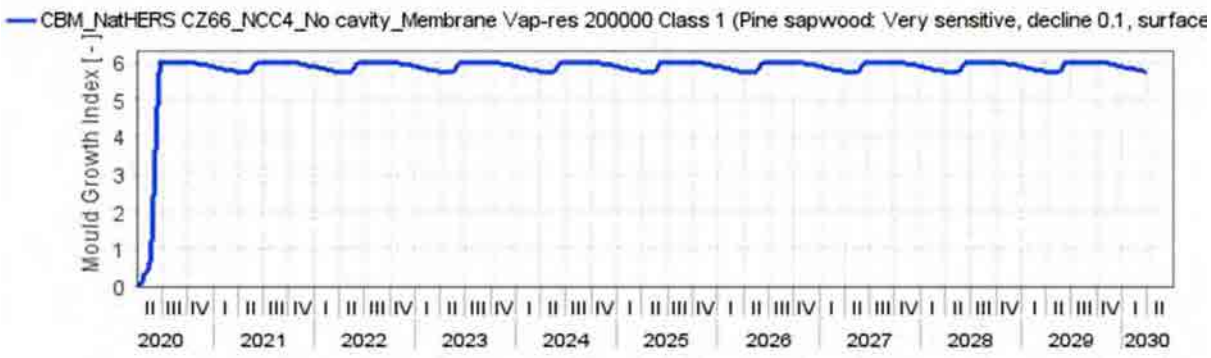

Figure 85: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 86: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

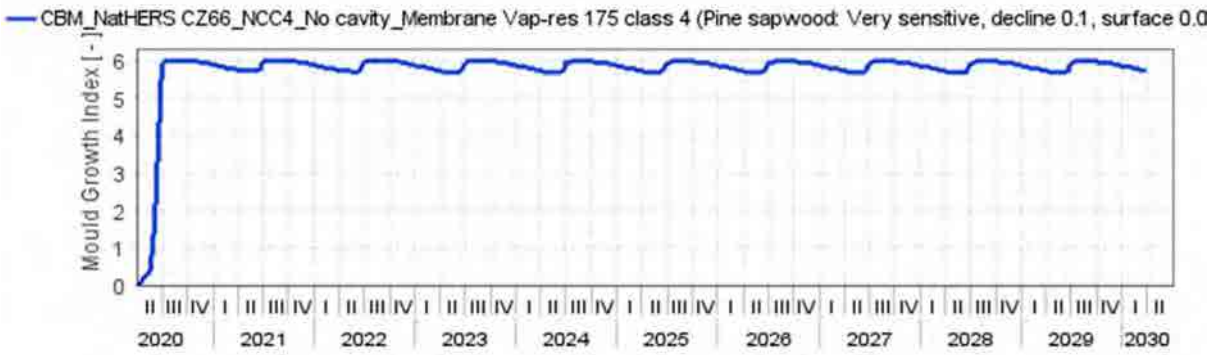

Figure 87: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

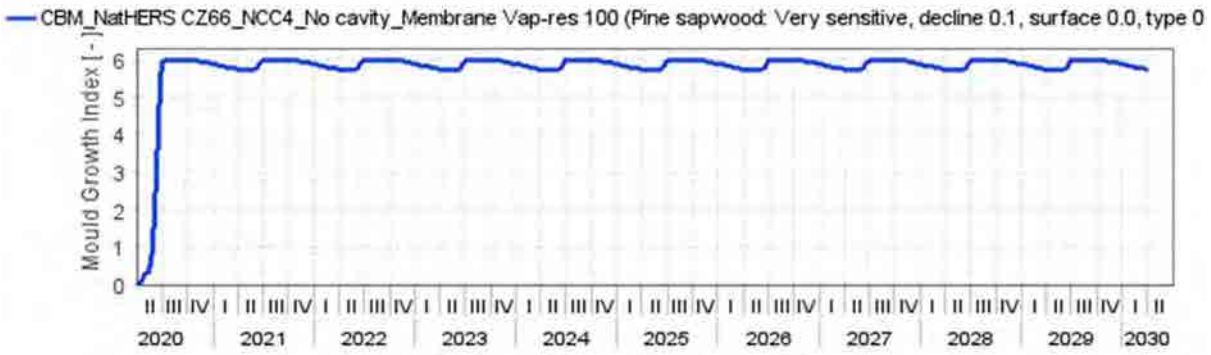

Figure 88 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

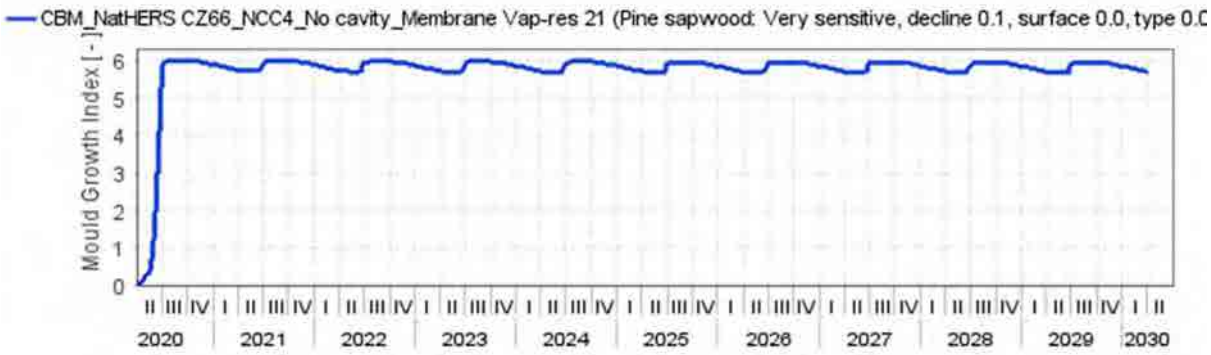

Figure 89: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

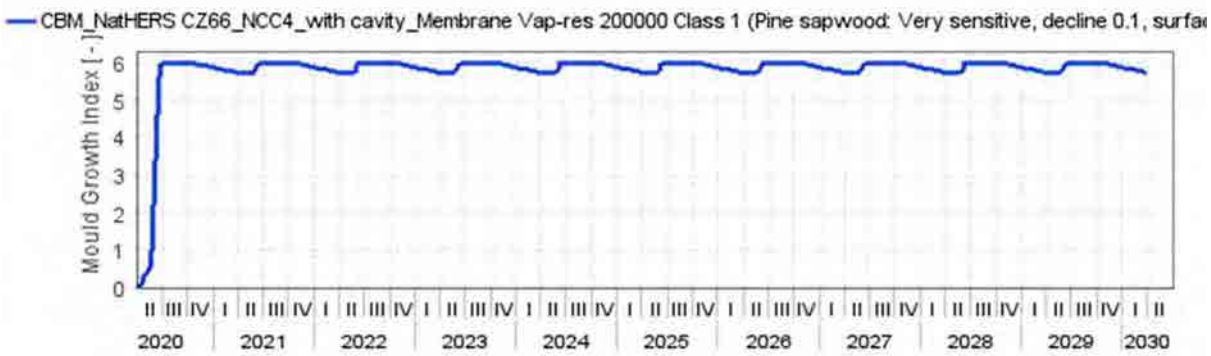

Figure 90: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

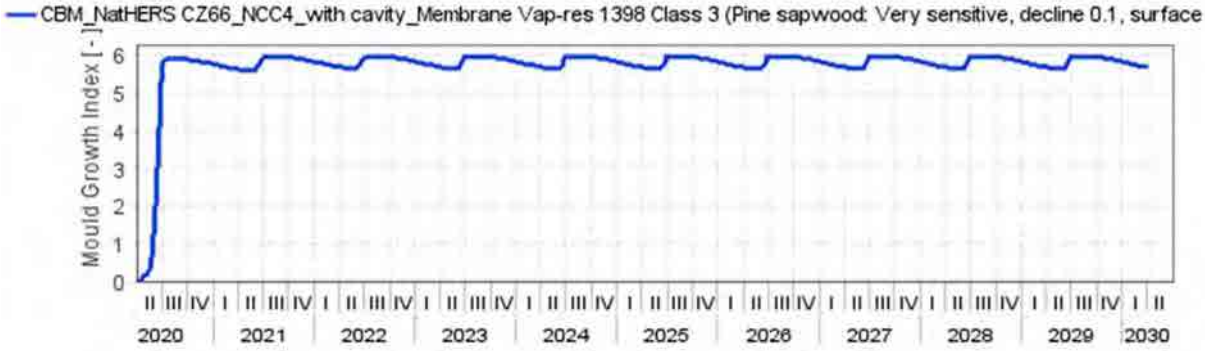

Figure 91: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

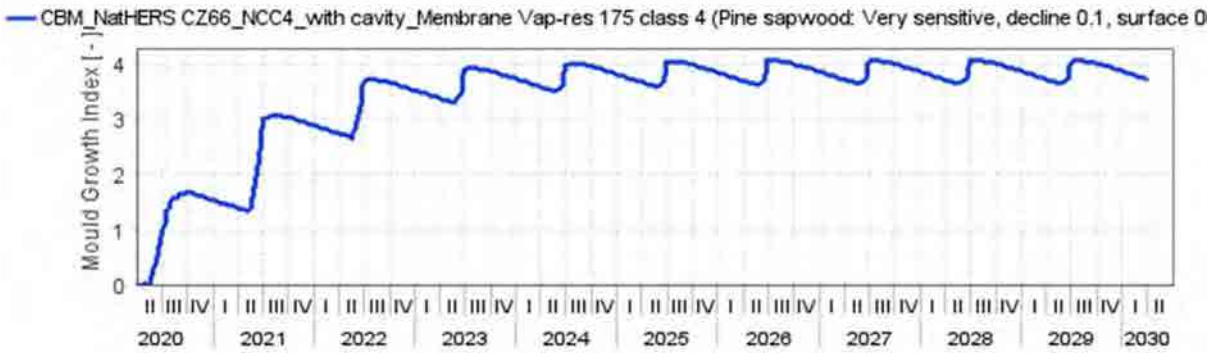

Figure 92: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

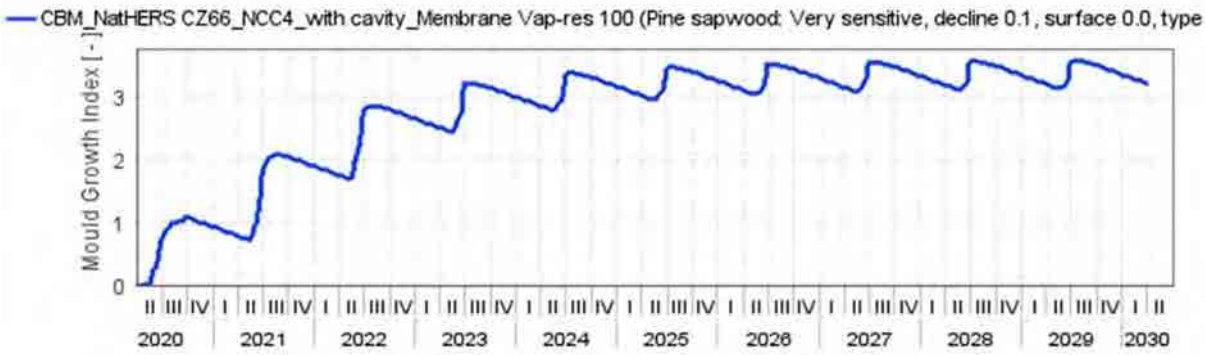

Figure 93 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

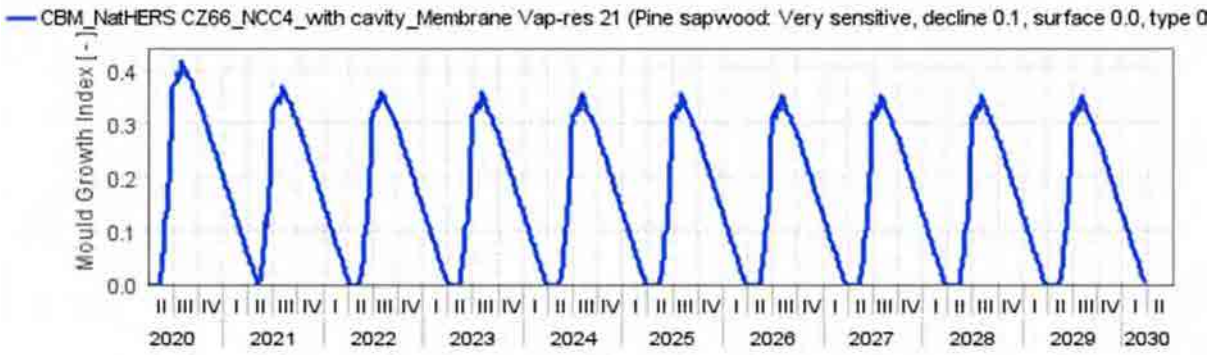

Figure 94 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

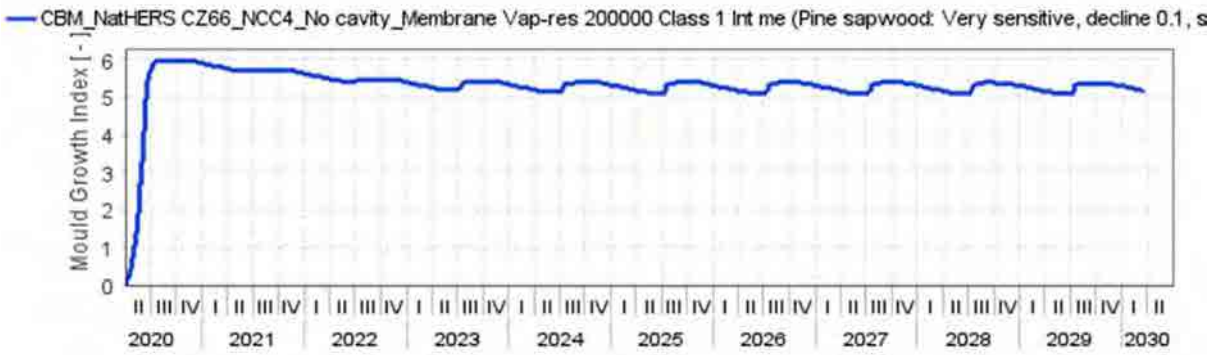

Figure 95: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 96 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

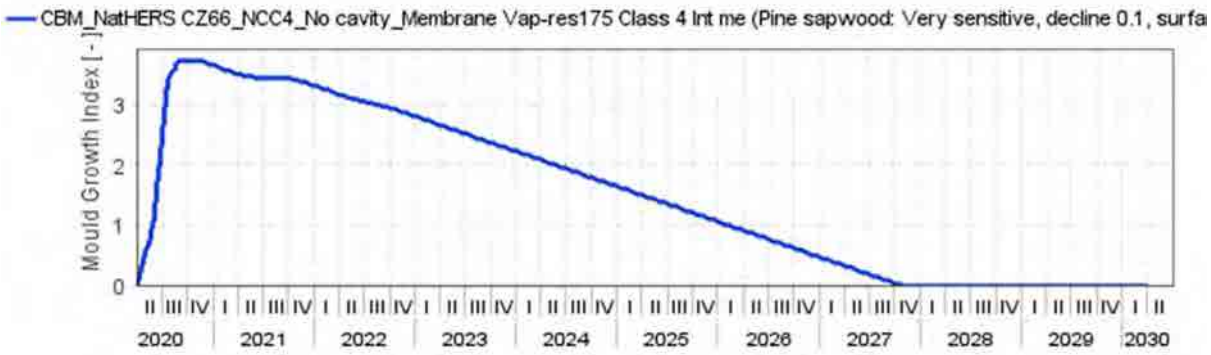

Figure 97 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

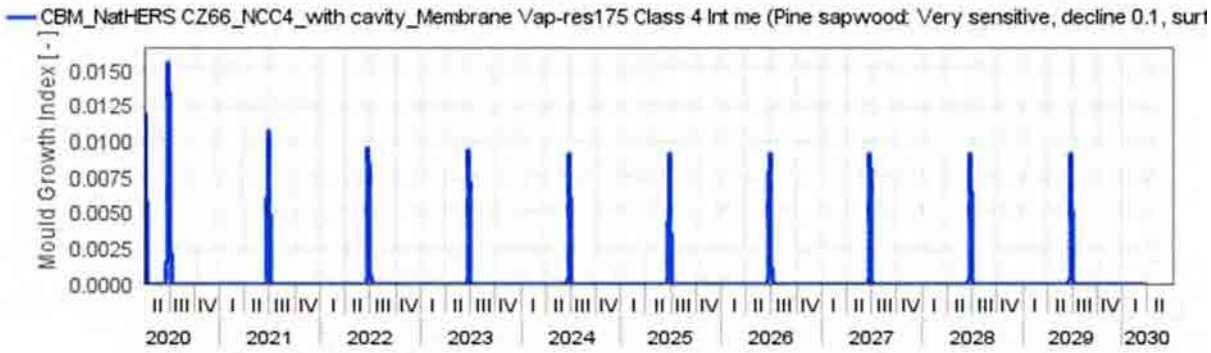

Figure 98 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

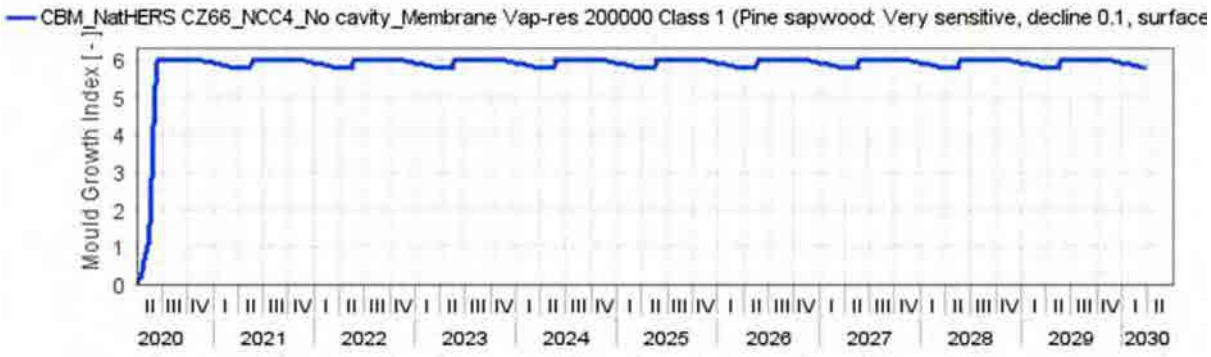

Figure 99: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

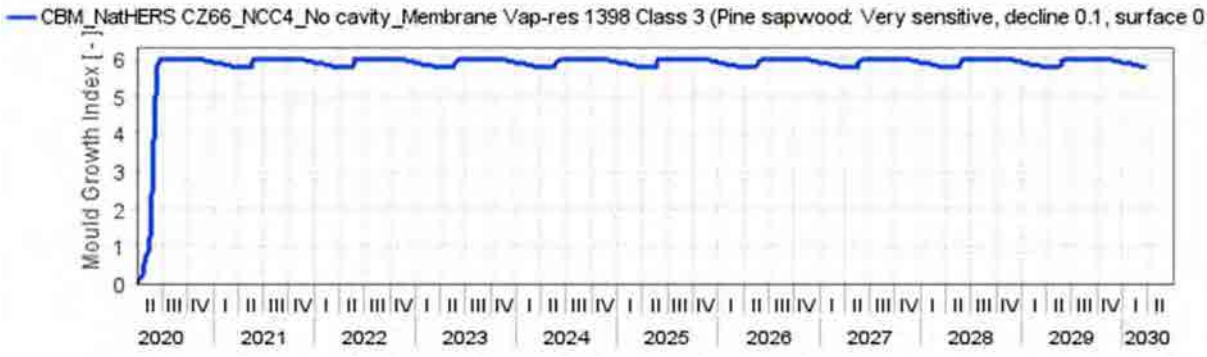

Figure 100: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

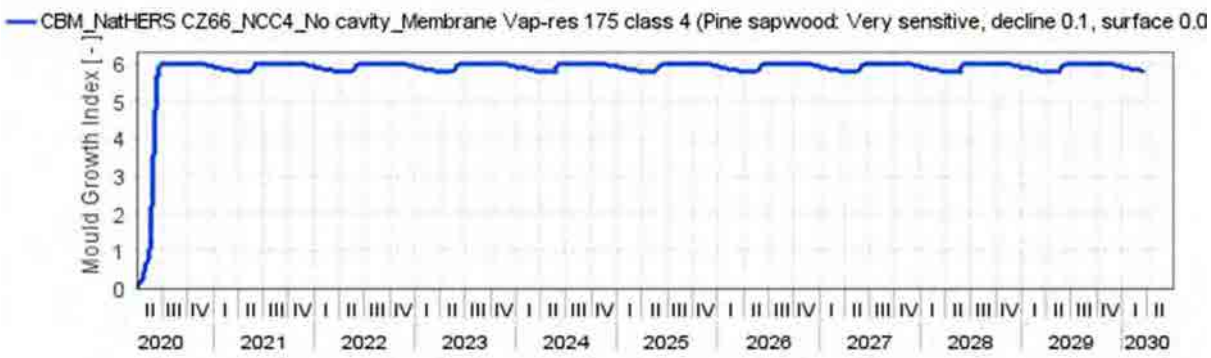

Figure 101: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mo

uld growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

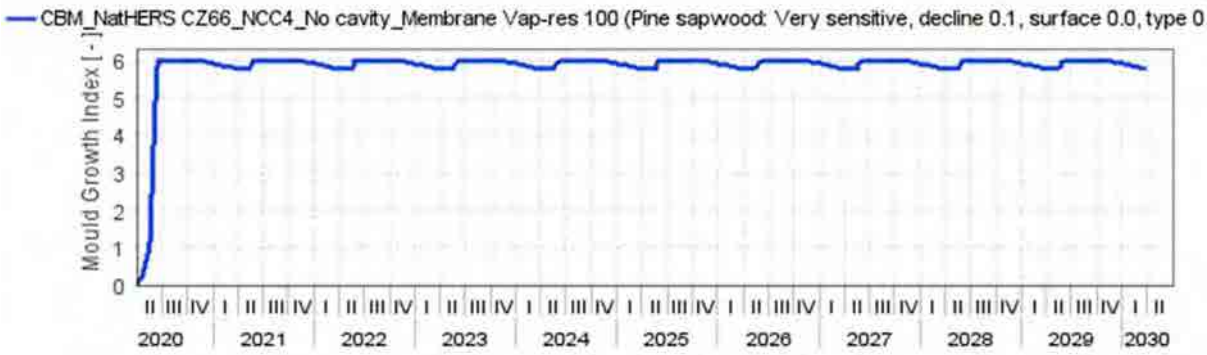

Figure 102 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

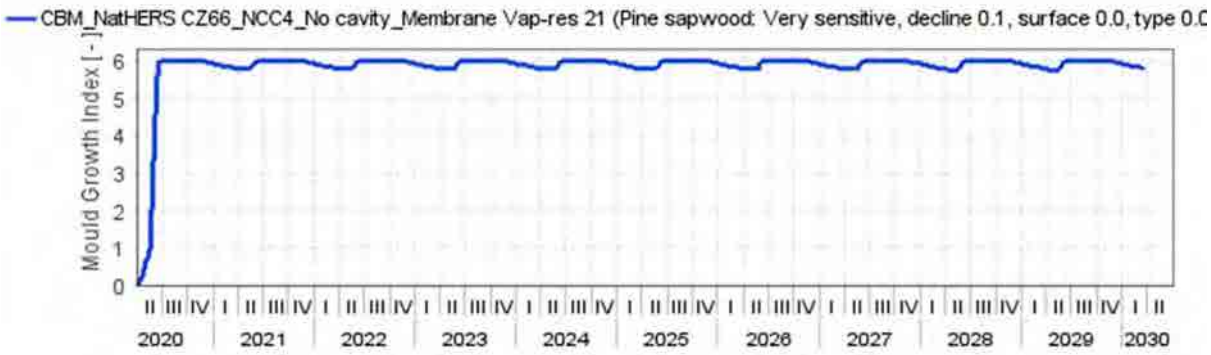

Figure 103: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

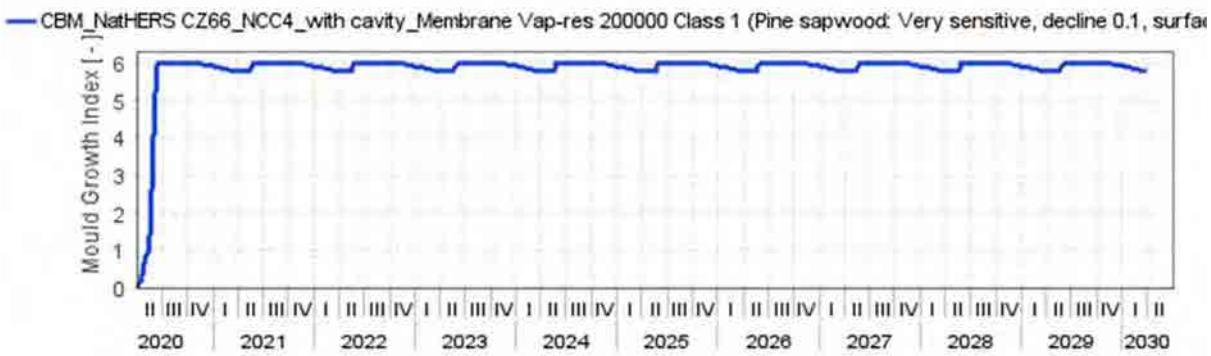

Figure 104: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

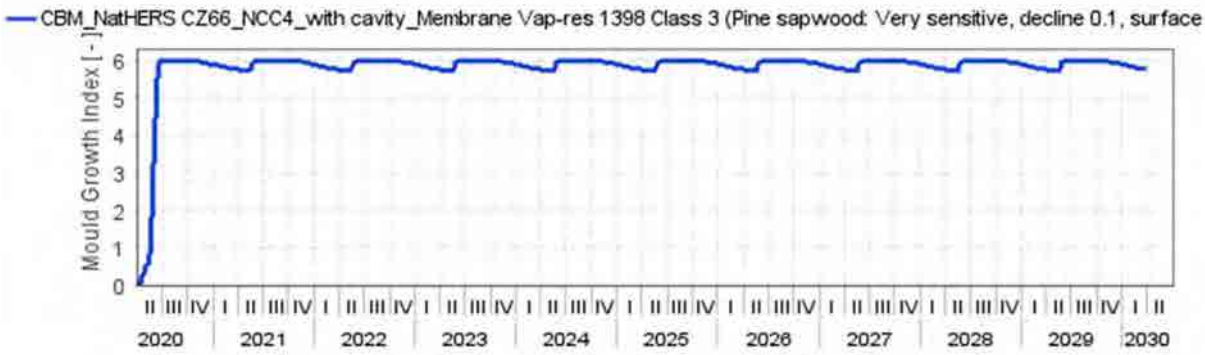

Figure 105: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

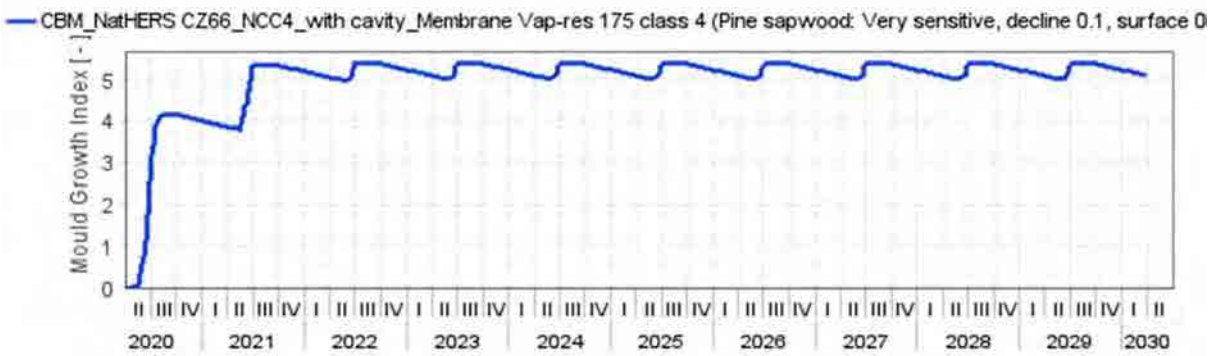

Figure 106: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 107 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

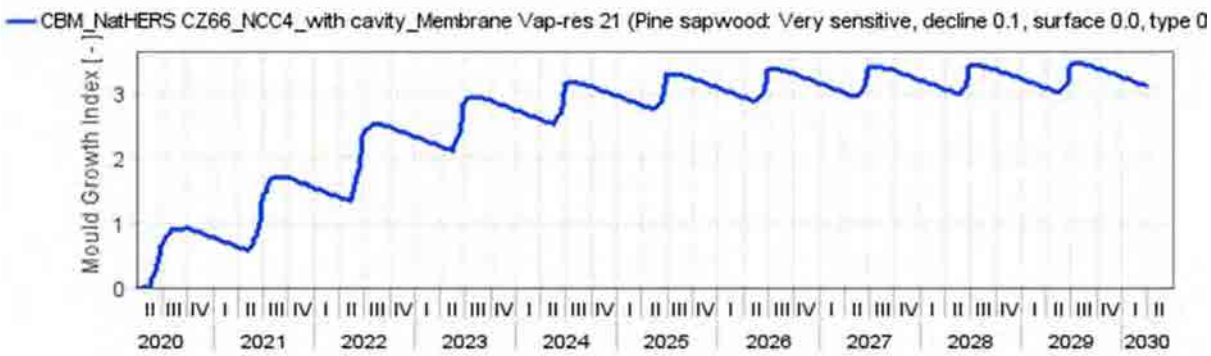

Figure 108 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

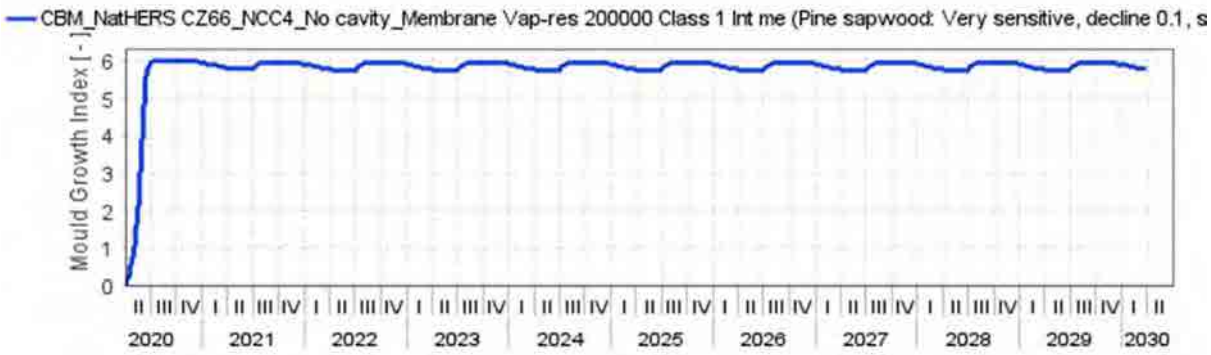

Figure 109: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

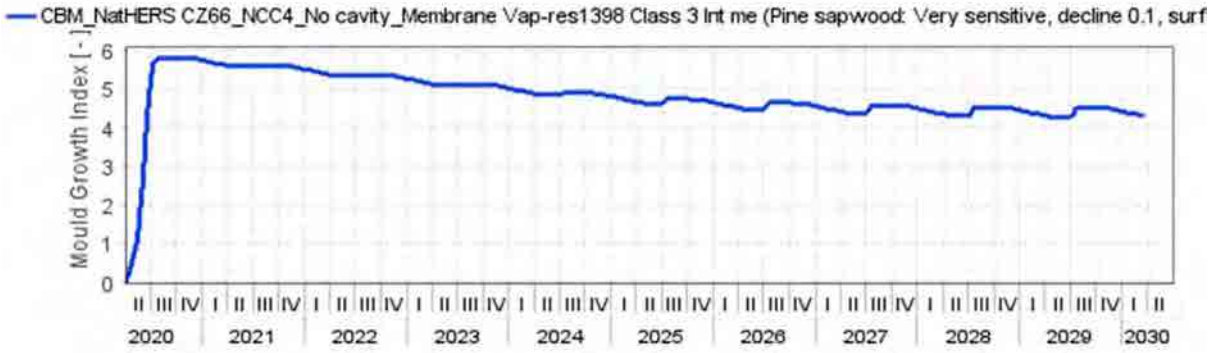

Figure 110 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 111 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

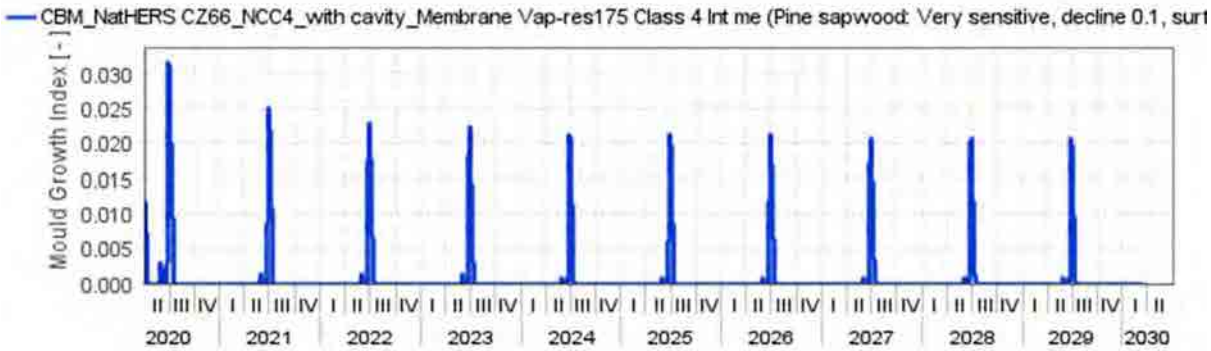

Figure 112 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

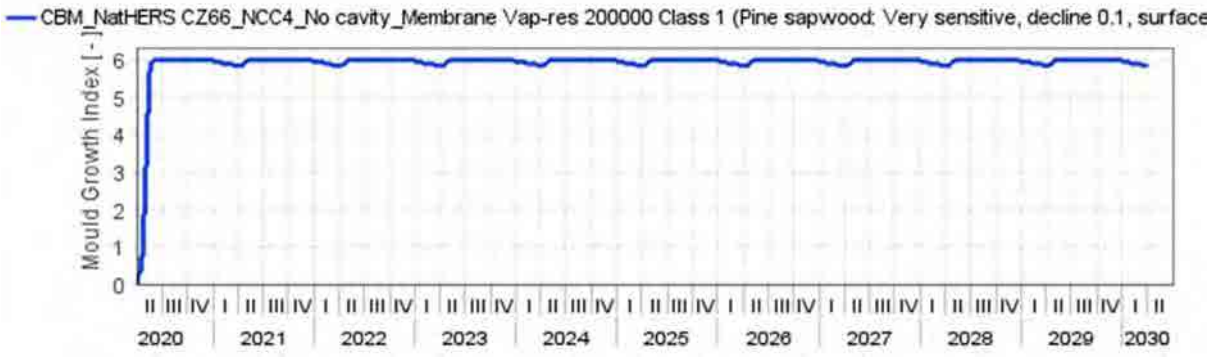

Figure 113: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

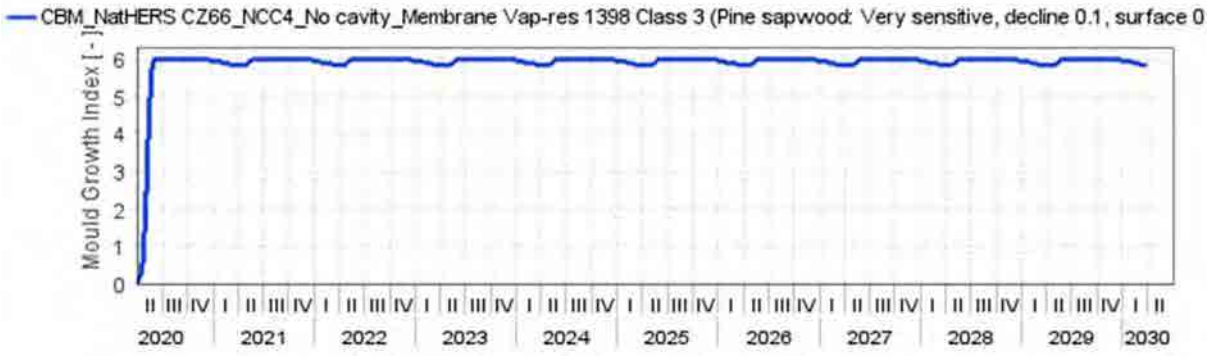

Figure 114: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

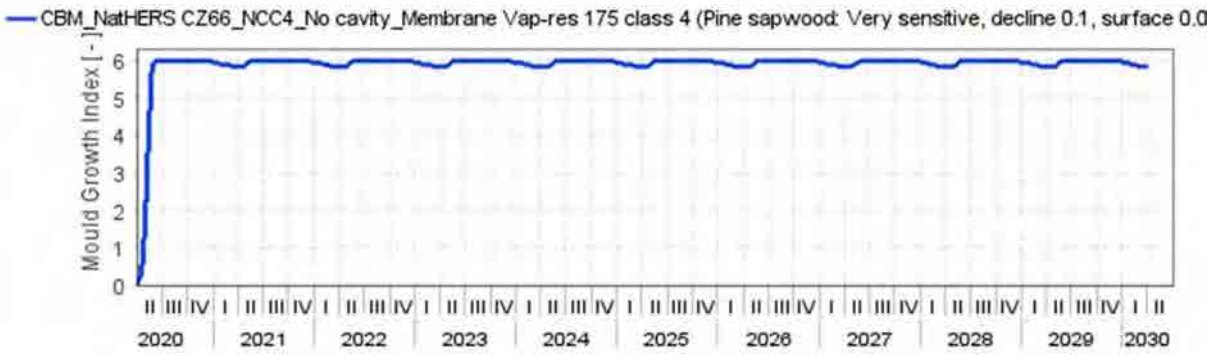

Figure 115: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

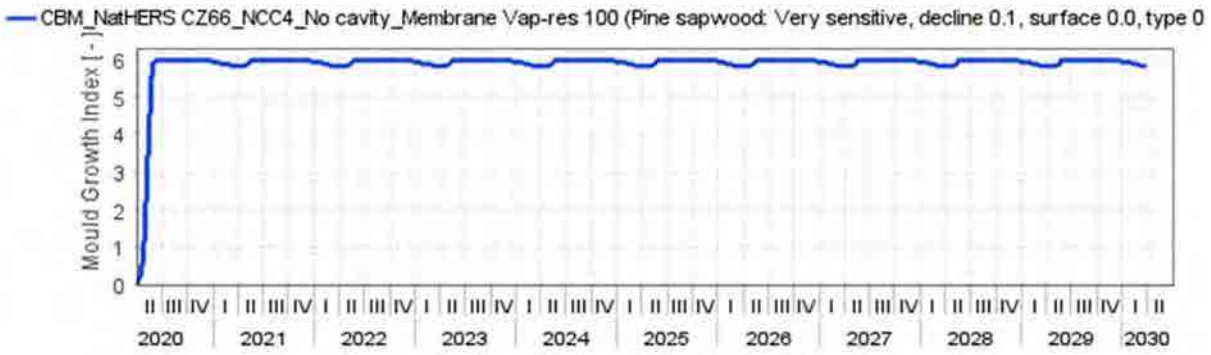

Figure 116 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

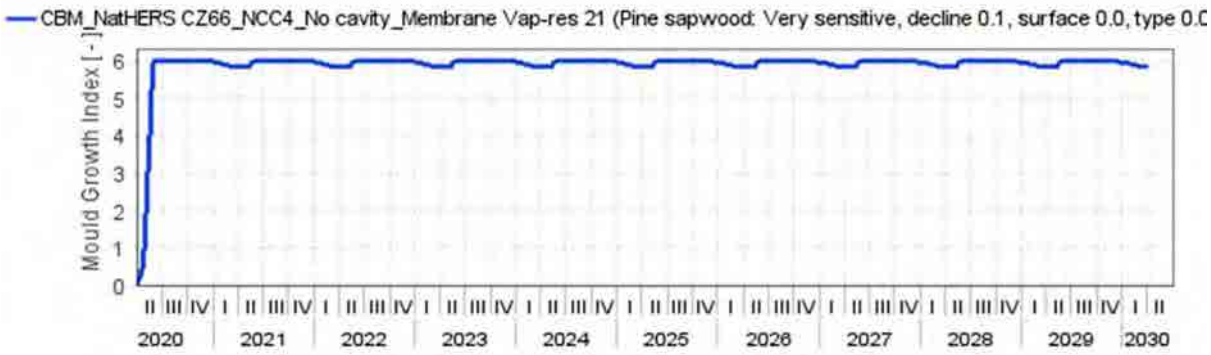

Figure 117: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

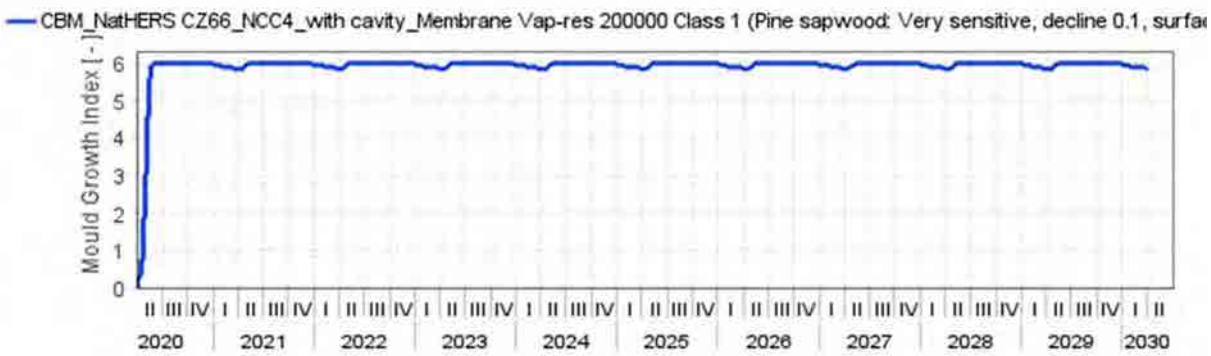

Figure 118: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

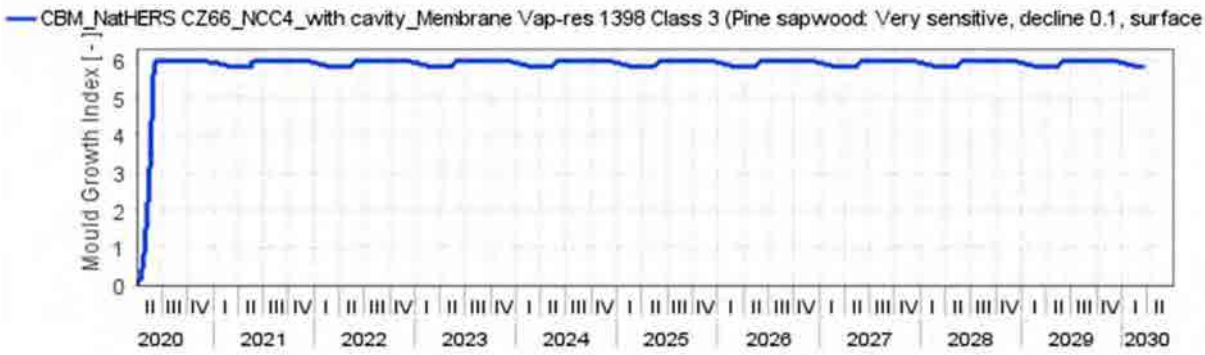

Figure 119: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

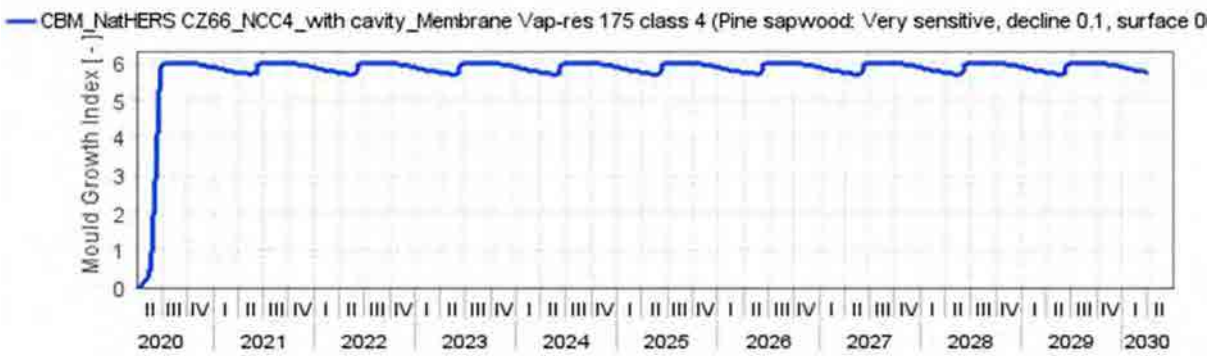

Figure 120: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

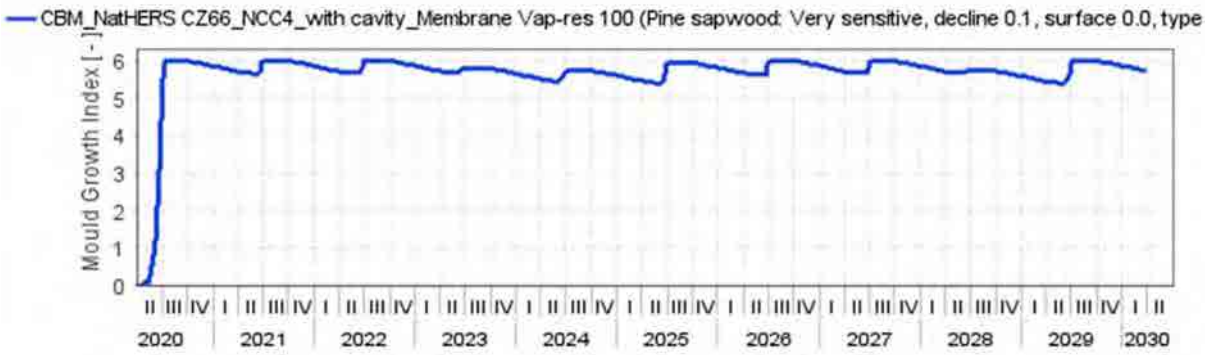

Figure 121 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

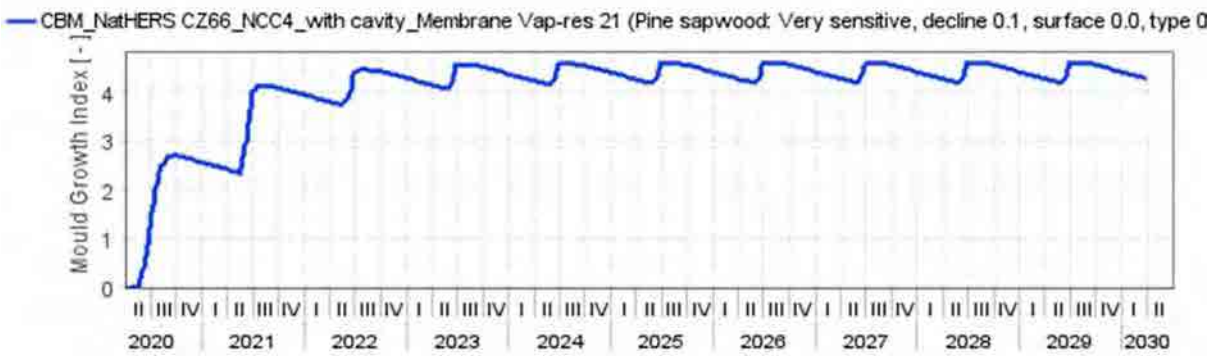

Figure 122 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

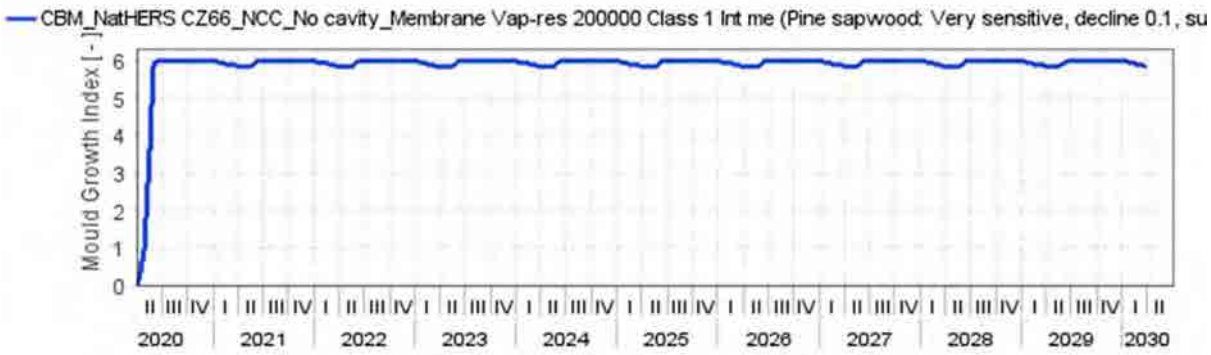

Figure 123: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398– with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

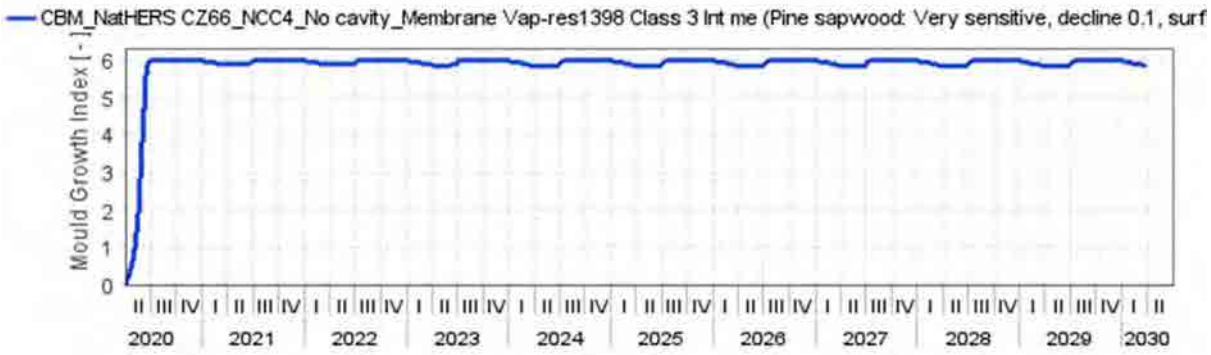

Figure 124 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

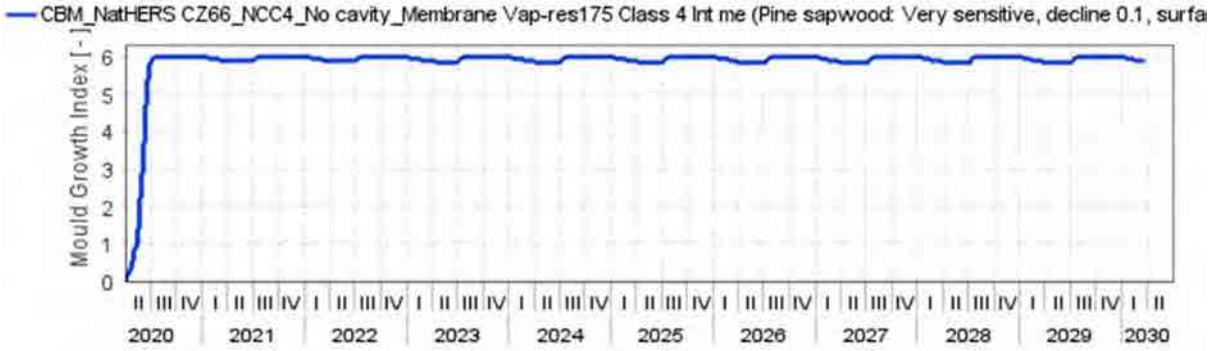

Figure 125 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

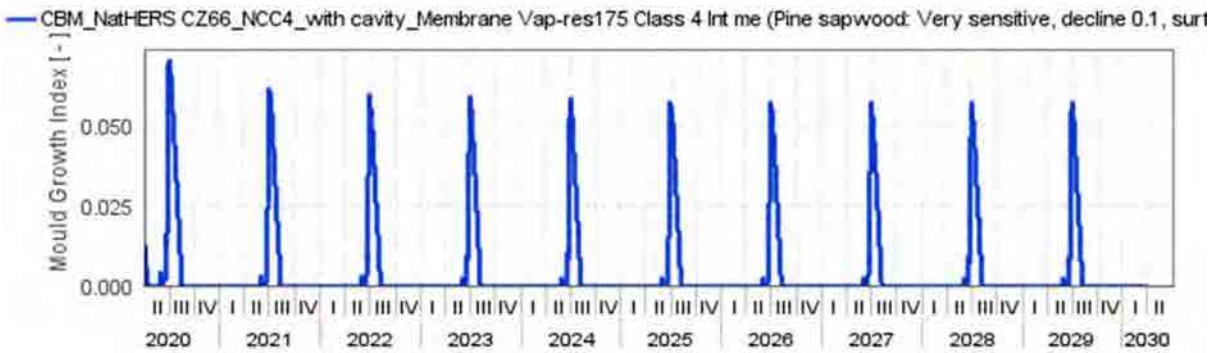

Figure 126 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NCC CZ 6

NatHERS CZ 21, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

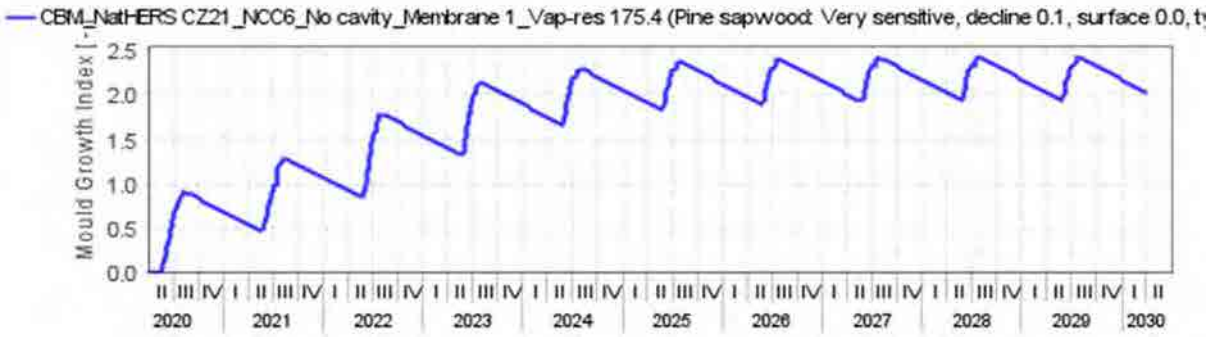

Figure 127: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

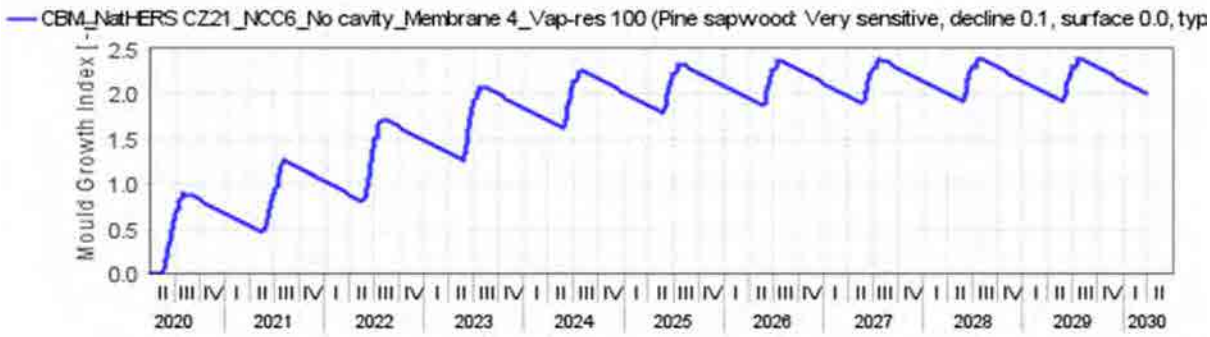

Figure 128 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

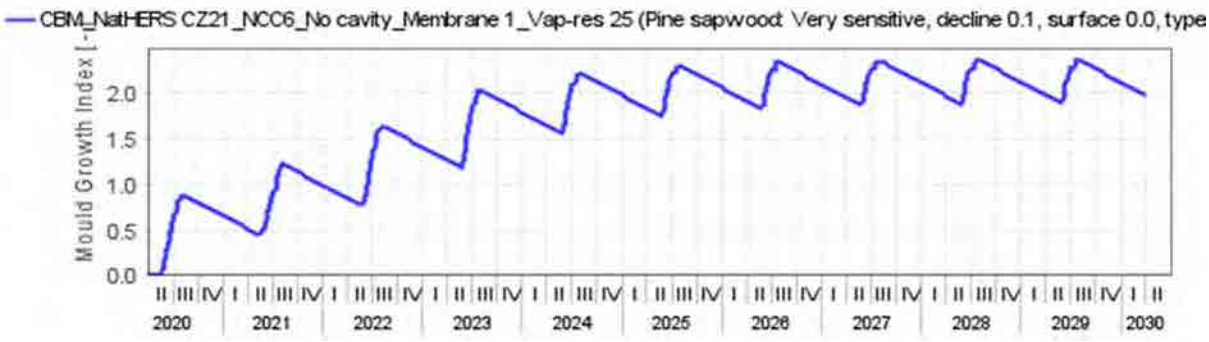

Figure 129: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

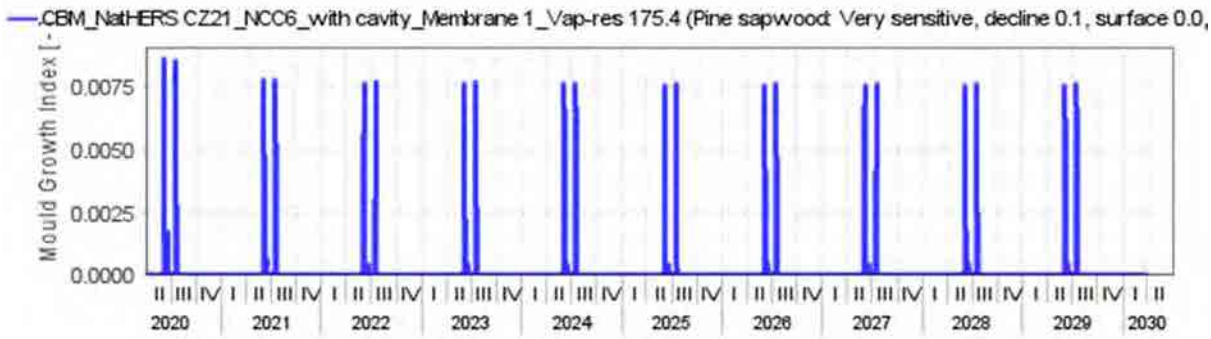

Figure 130: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

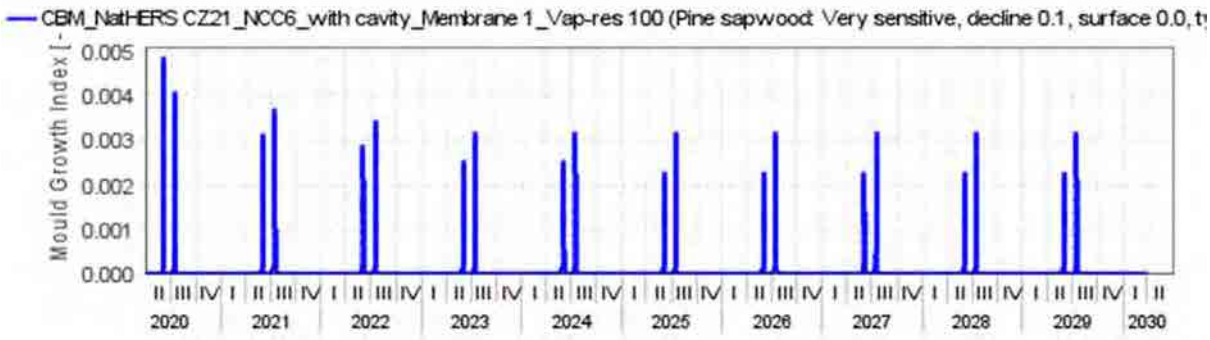

Figure 131 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

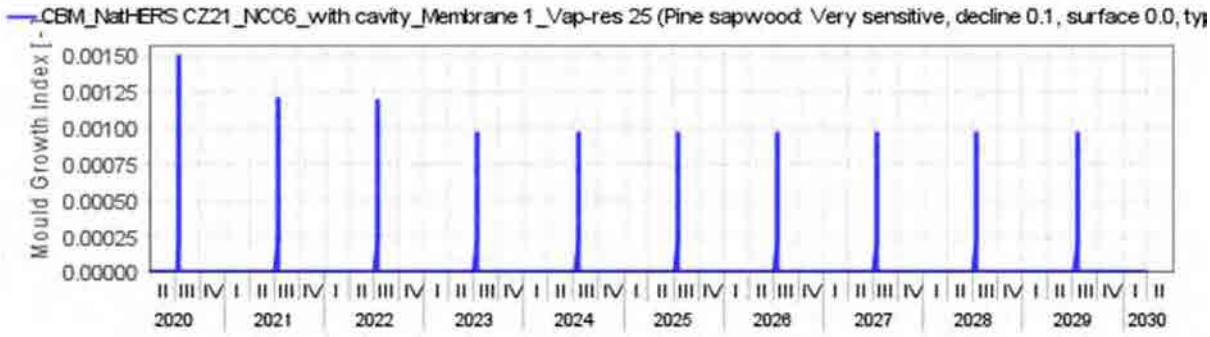

Figure 132 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

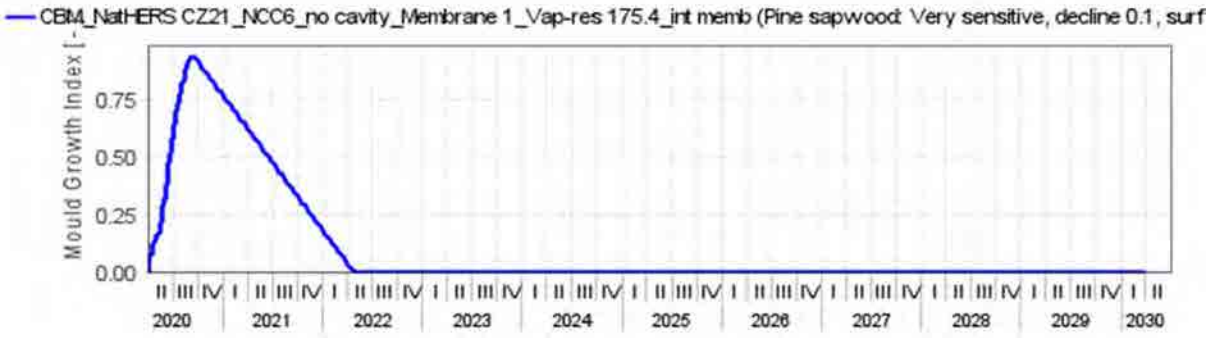

Figure 133 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

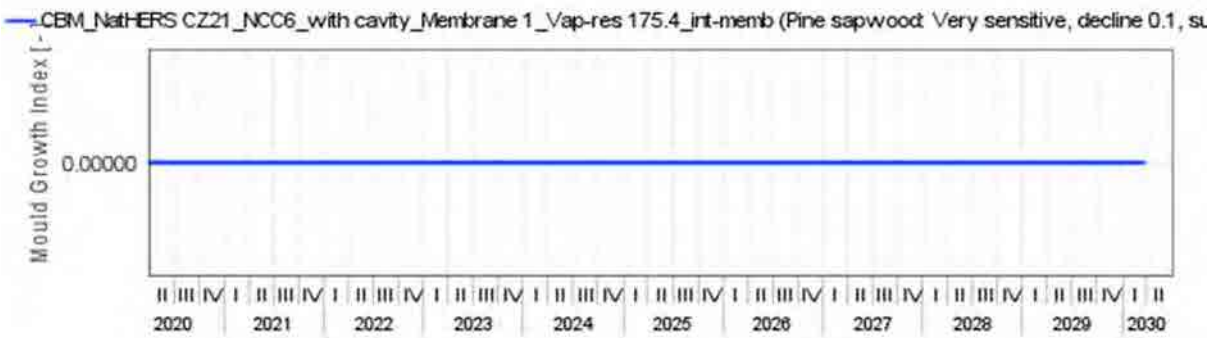

Figure 134 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

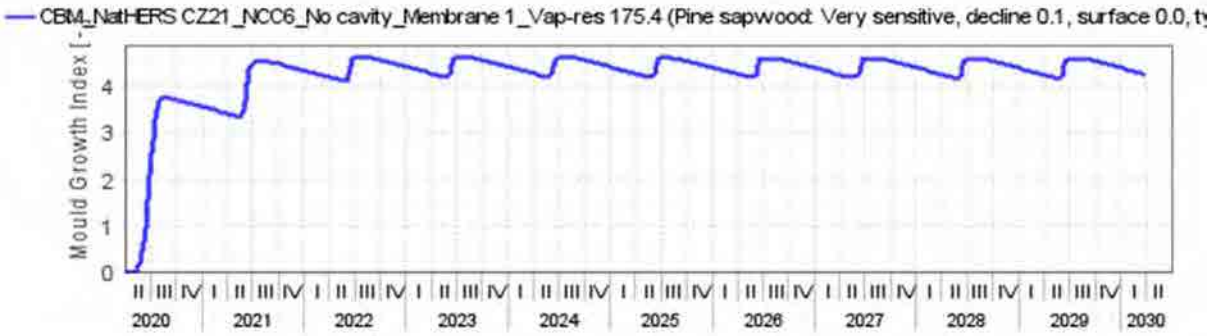

Figure 135: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

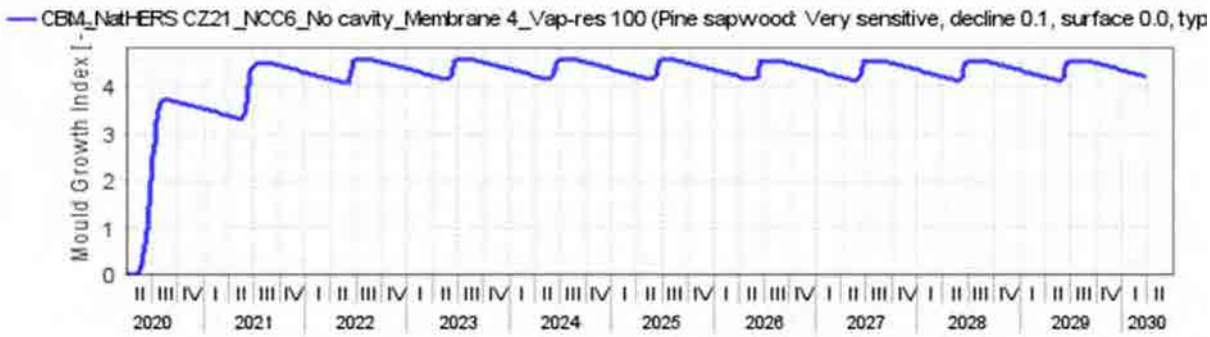

Figure 136 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

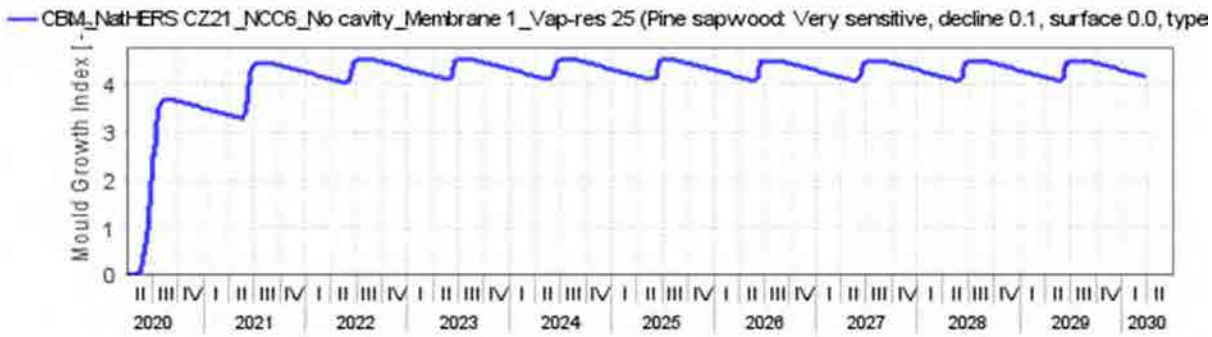

Figure 137: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

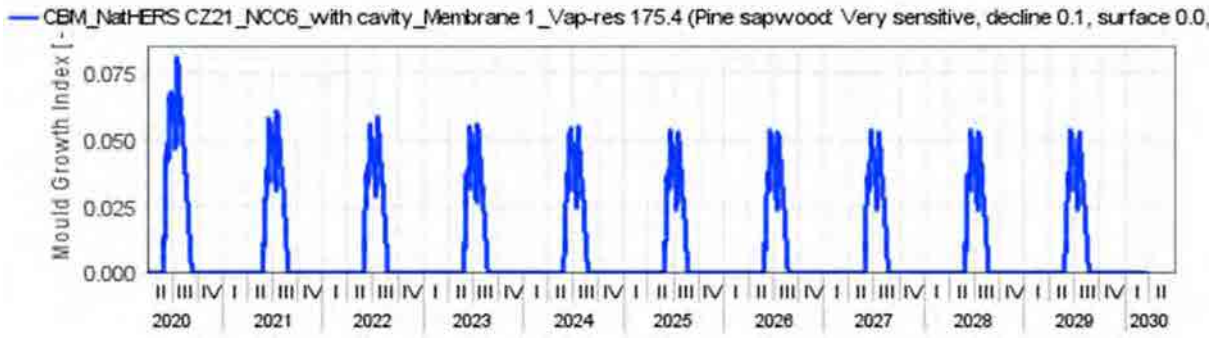

Figure 138: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

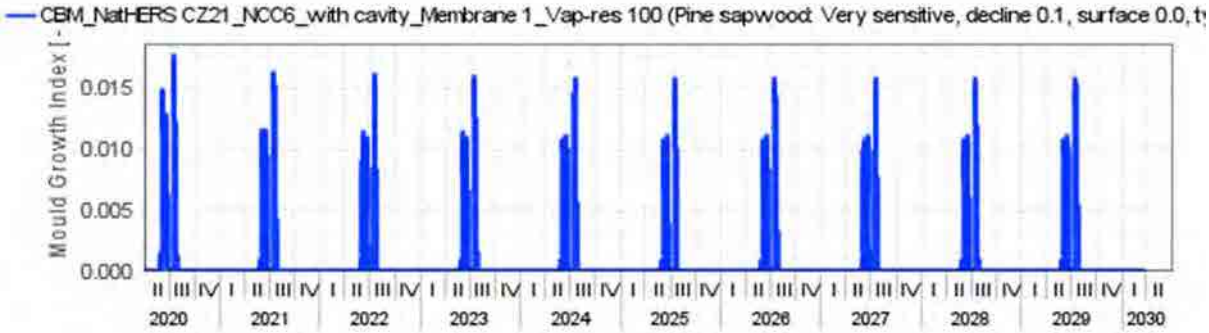

Figure 139 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

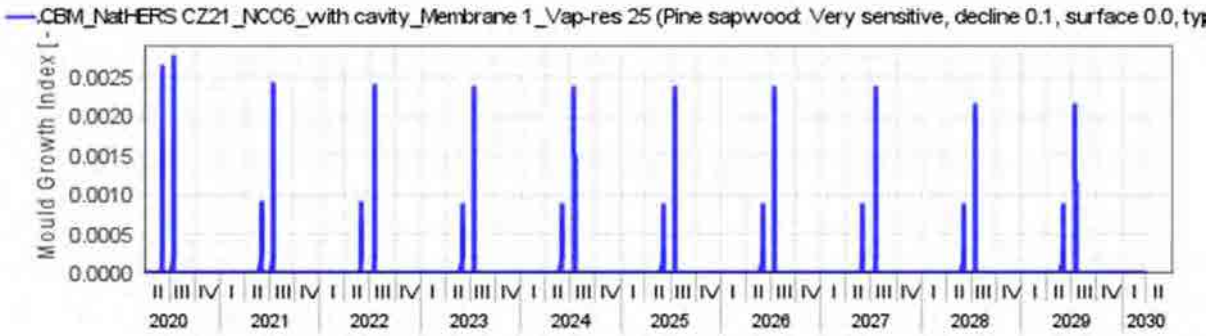

Figure 140 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

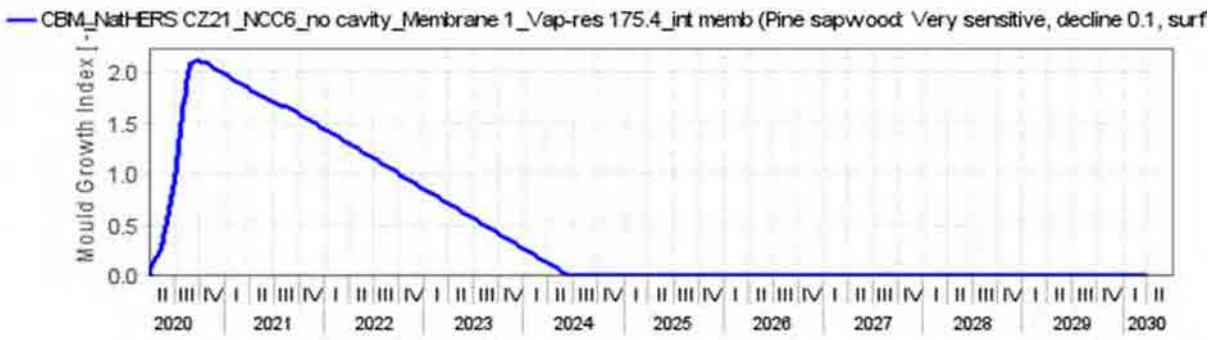

Figure 141 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

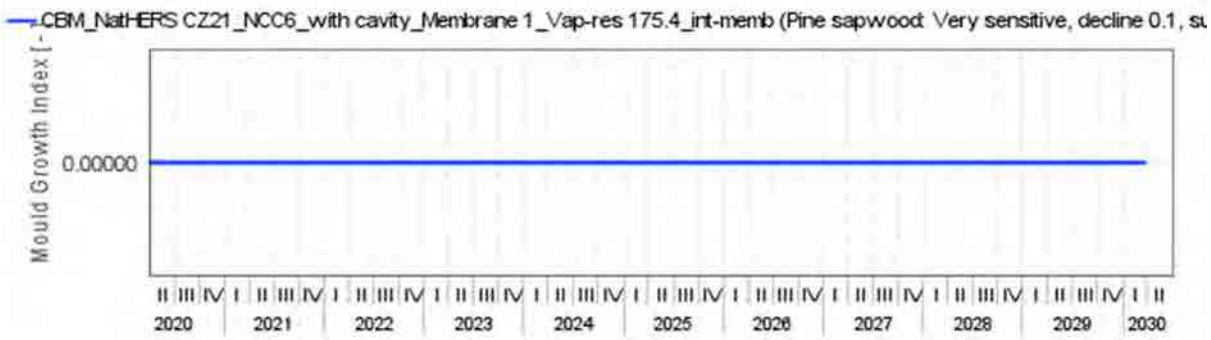

Figure 142 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

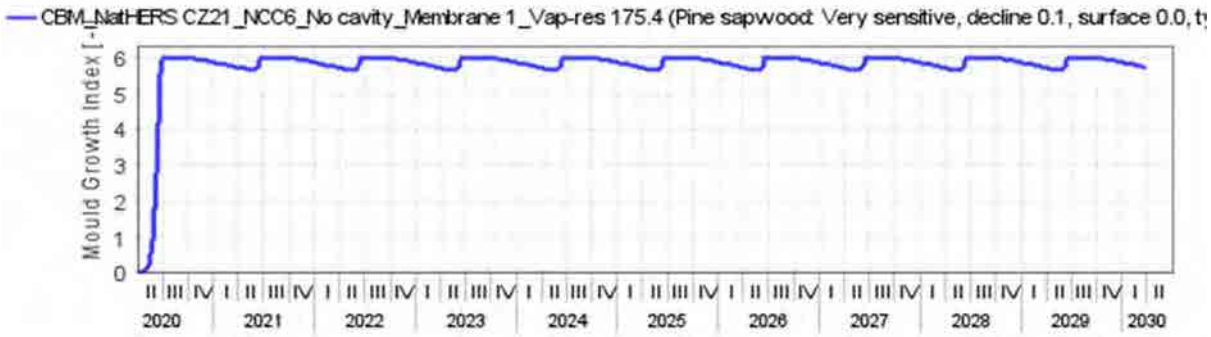

Figure 143: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

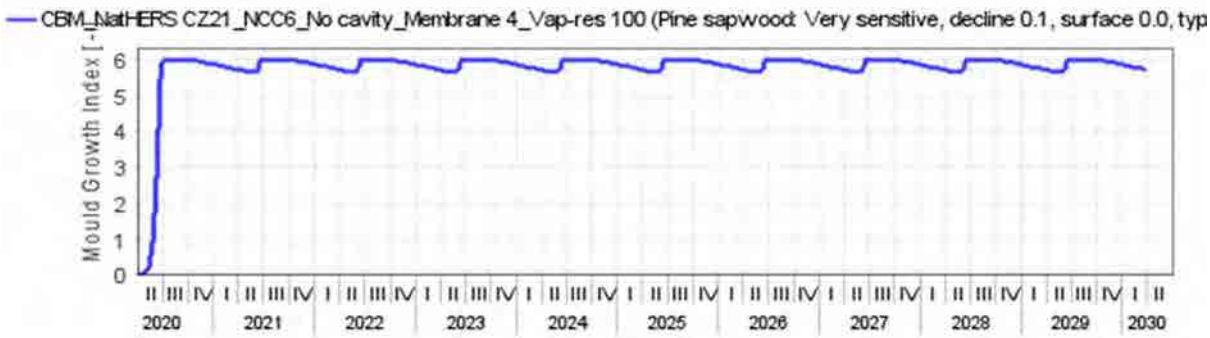

Figure 144 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

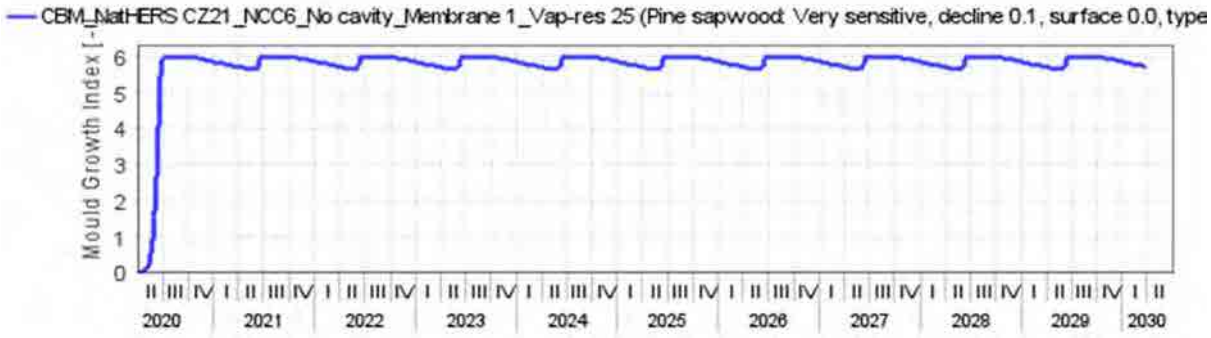

Figure 145: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

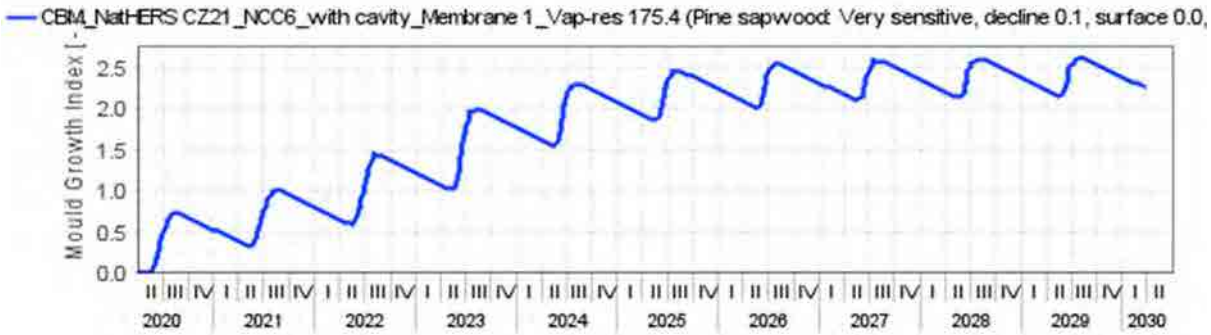

Figure 146: Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

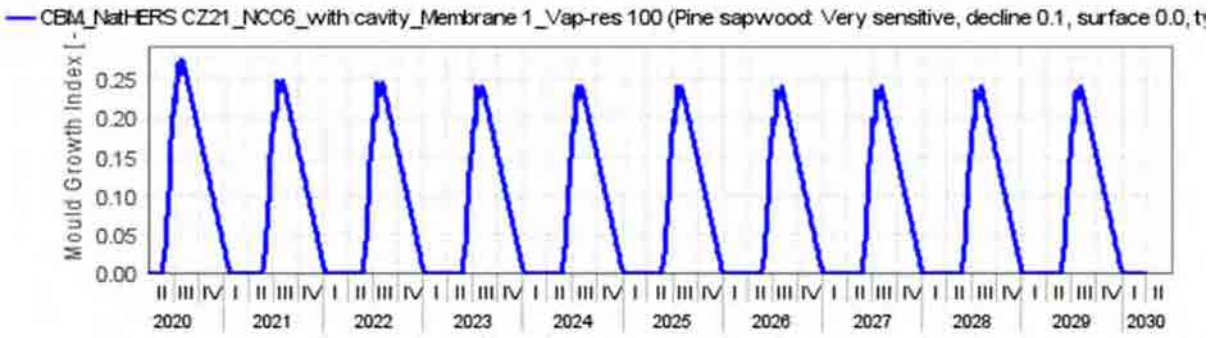

Figure 147 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

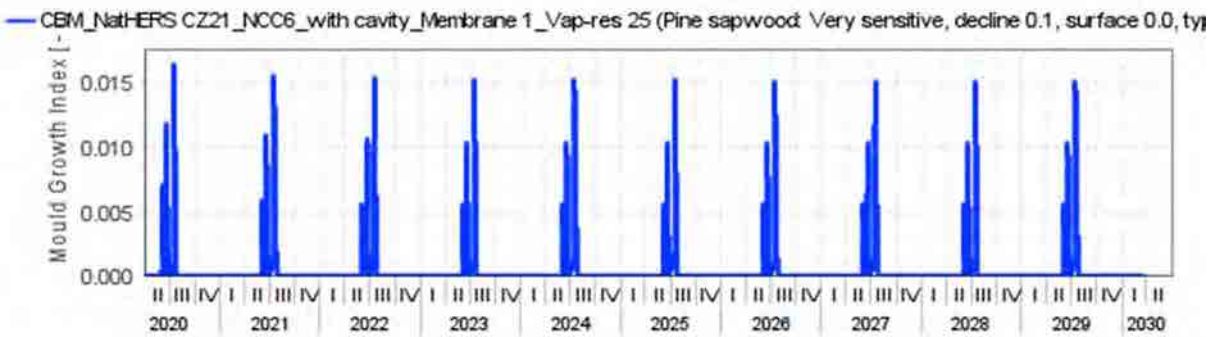

Figure 148 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

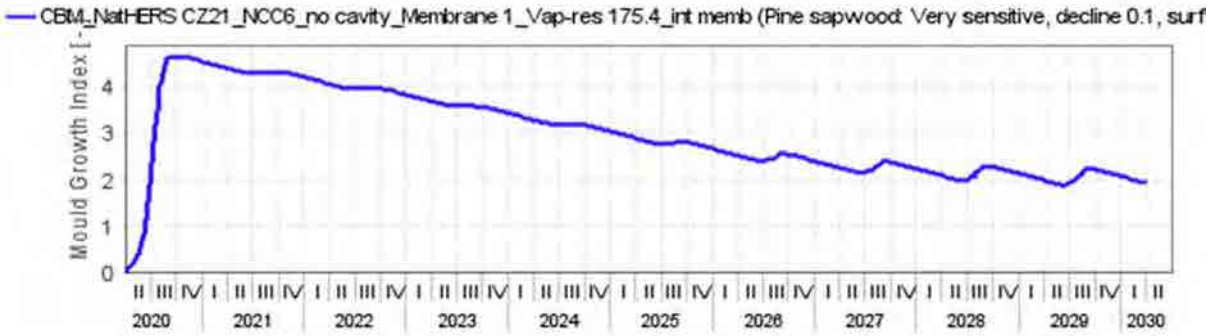

Figure 149 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

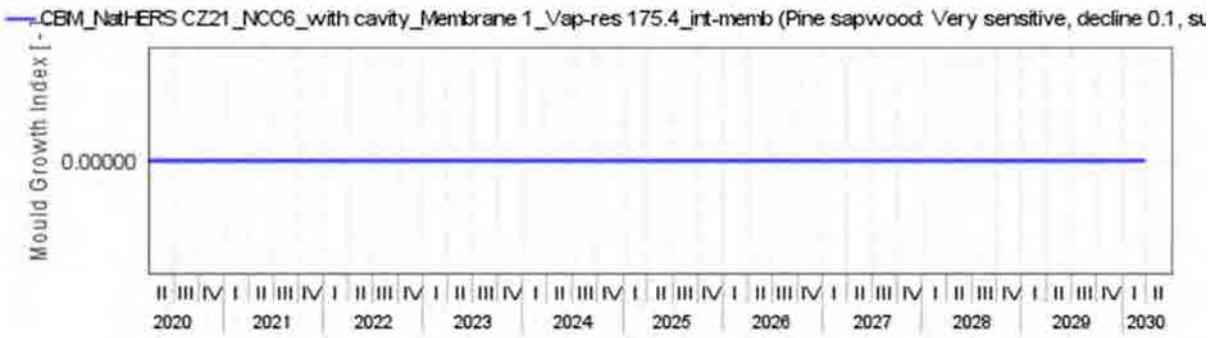

Figure 150 Concrete Block Masonry NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

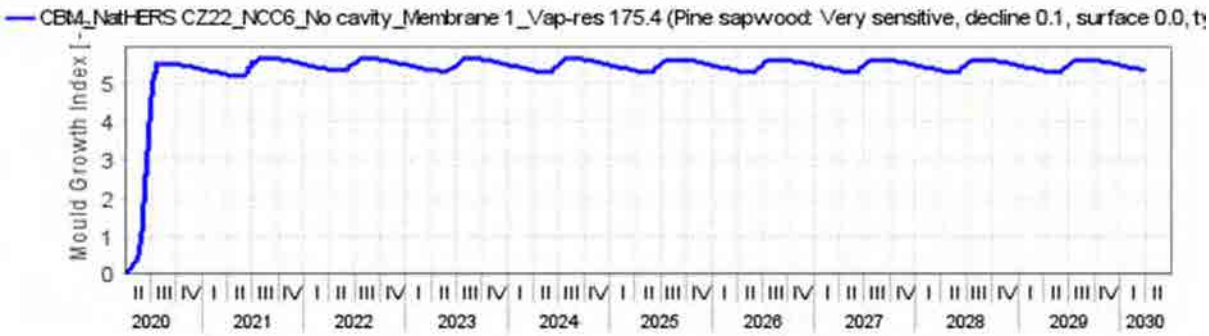

Figure 151: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

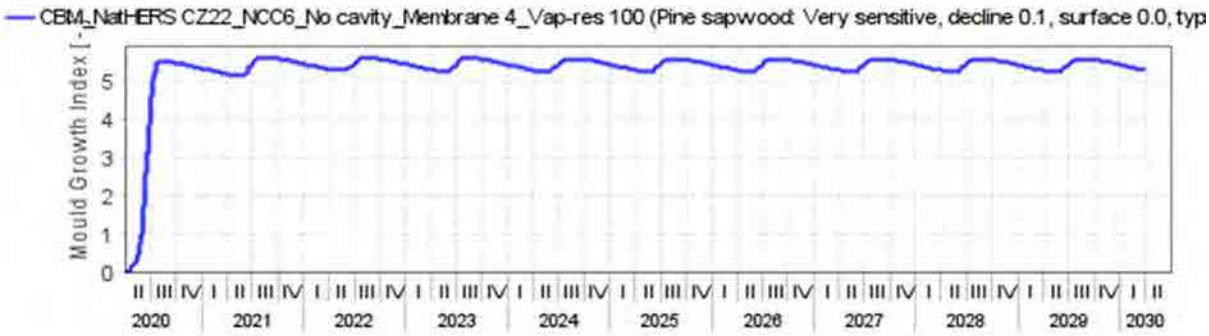

Figure 152 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

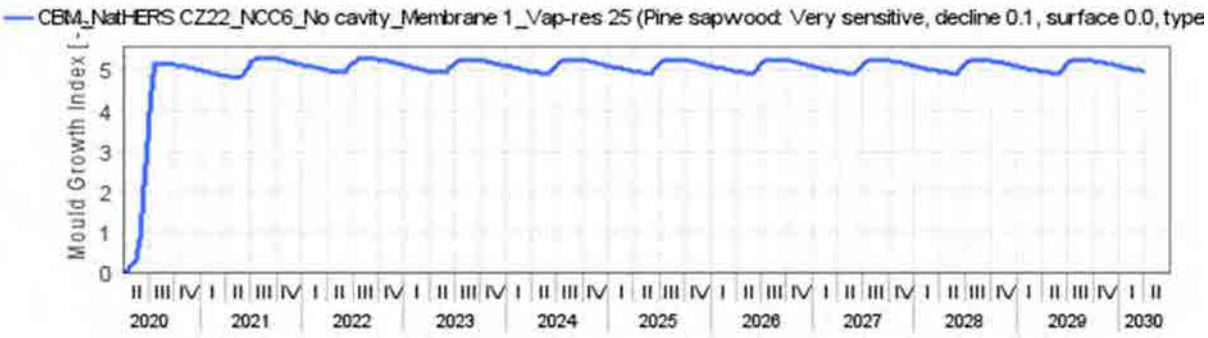

Figure 153: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

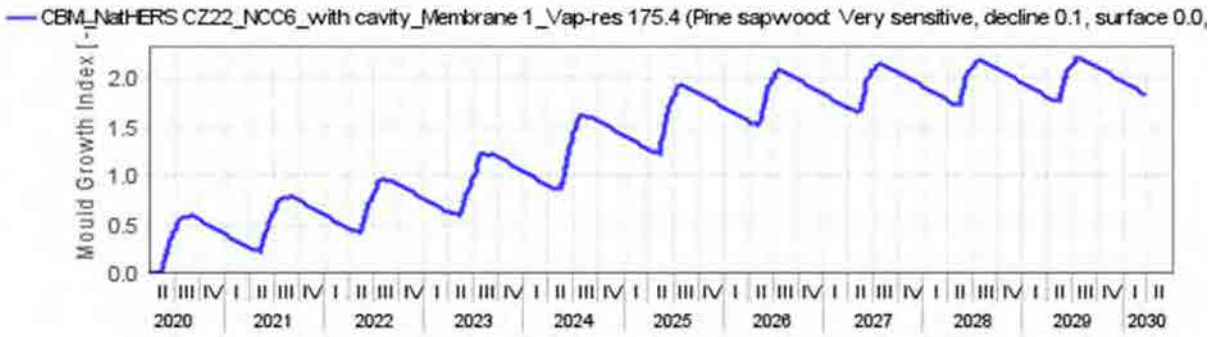

Figure 154: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

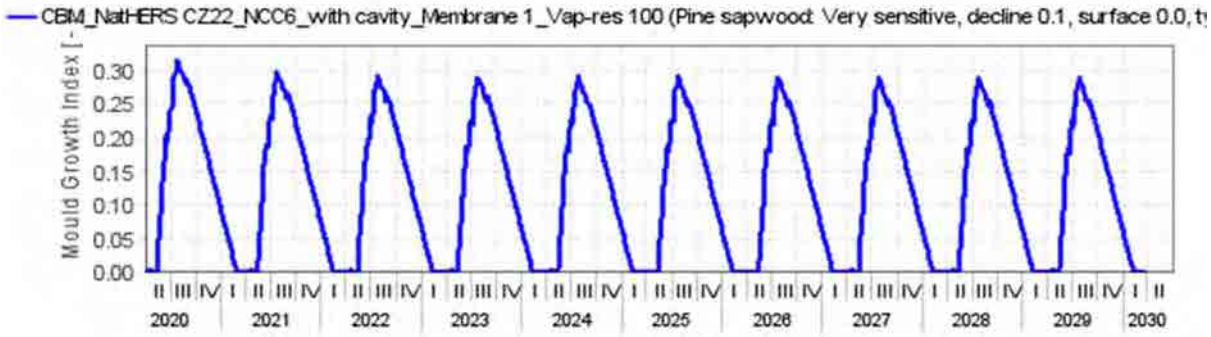

Figure 155 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

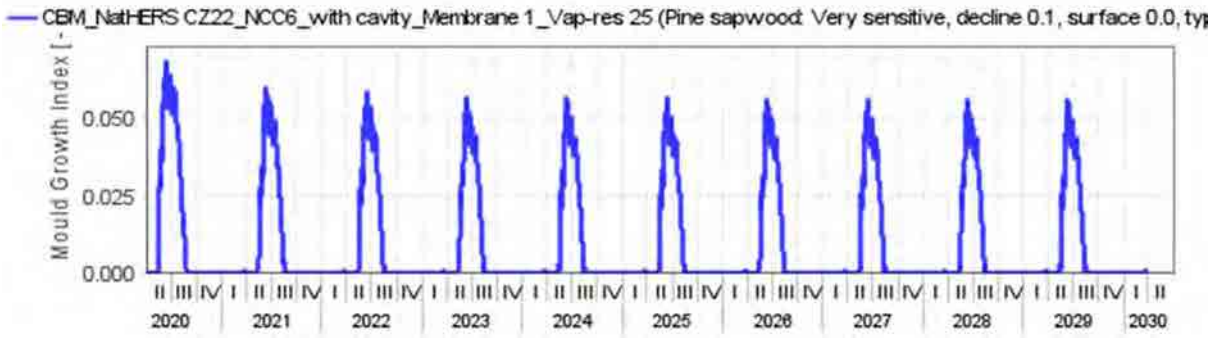

Figure 156 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

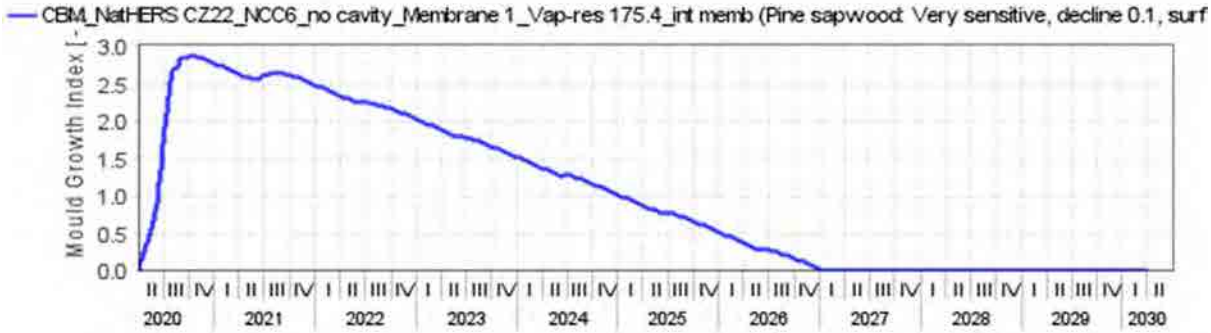

Figure 157 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

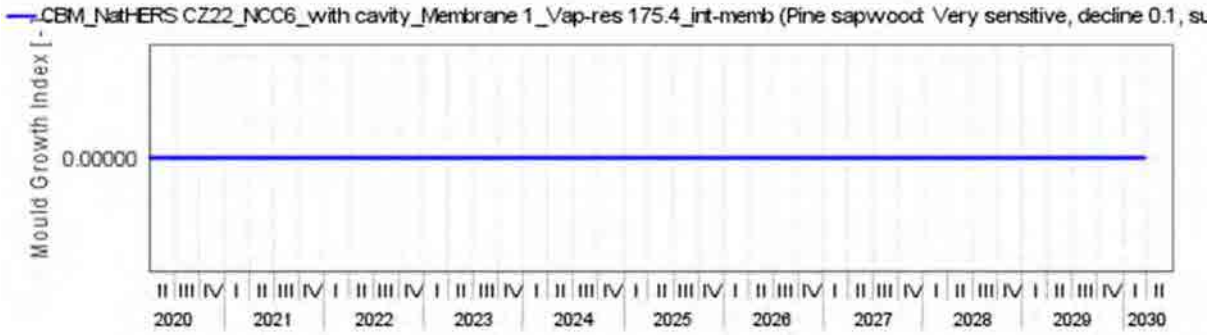

Figure 158 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

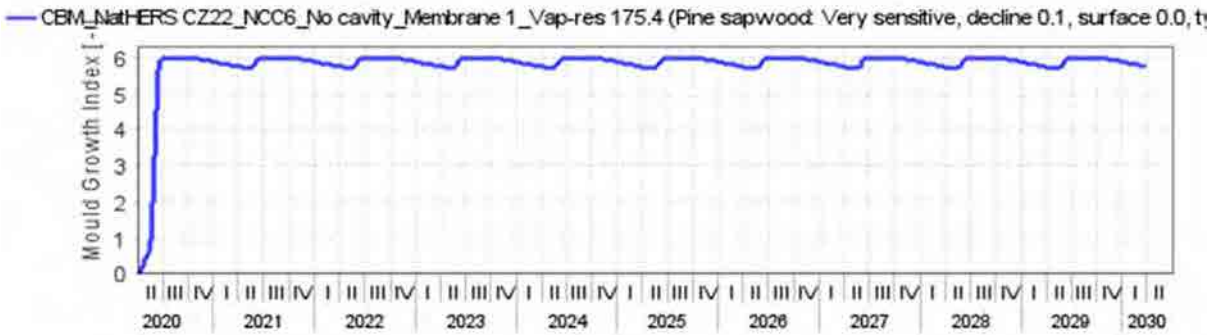

Figure 159: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

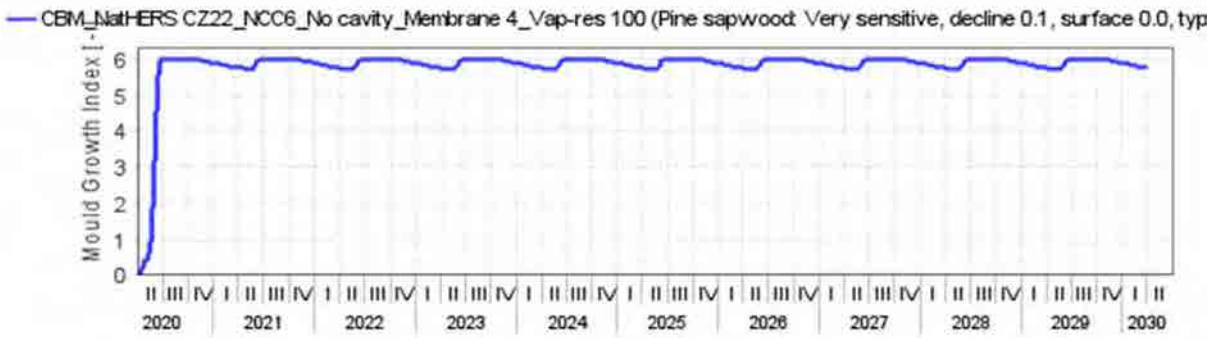

Figure 160 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

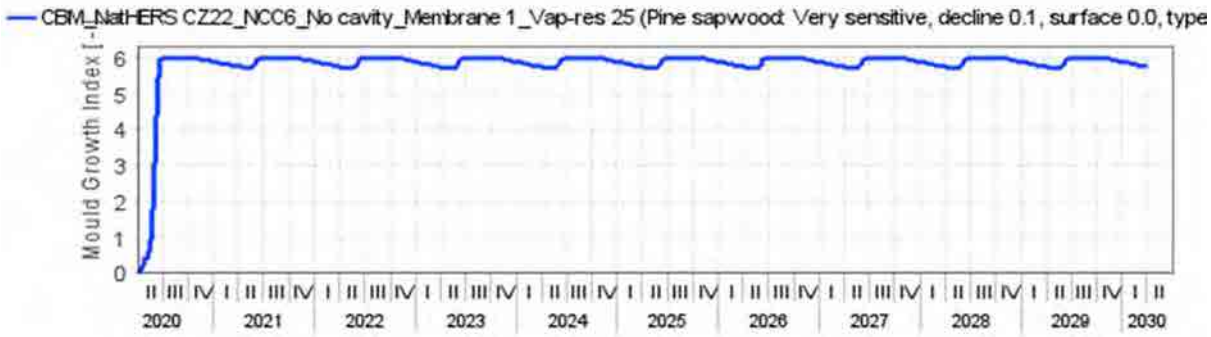

Figure 161: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

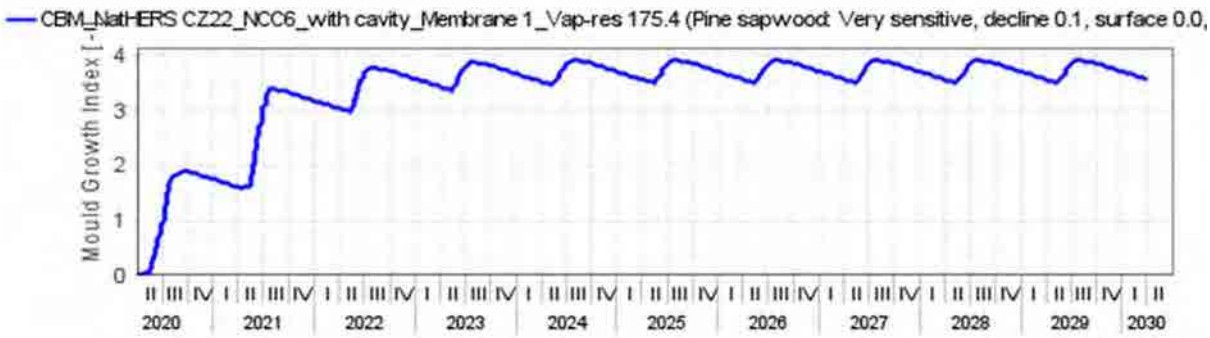

Figure 162: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

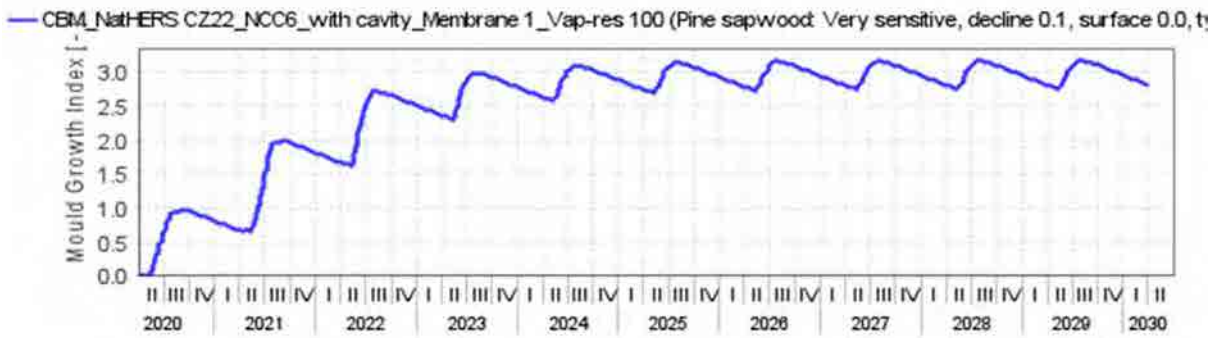

Figure 163 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

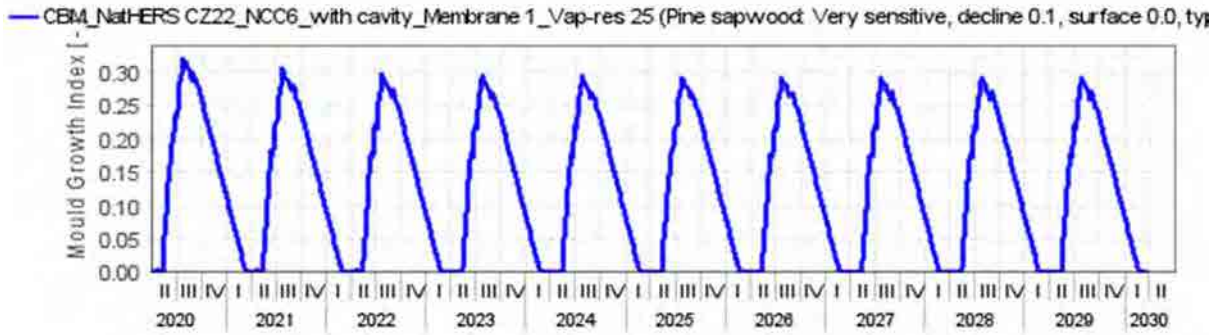

Figure 164 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

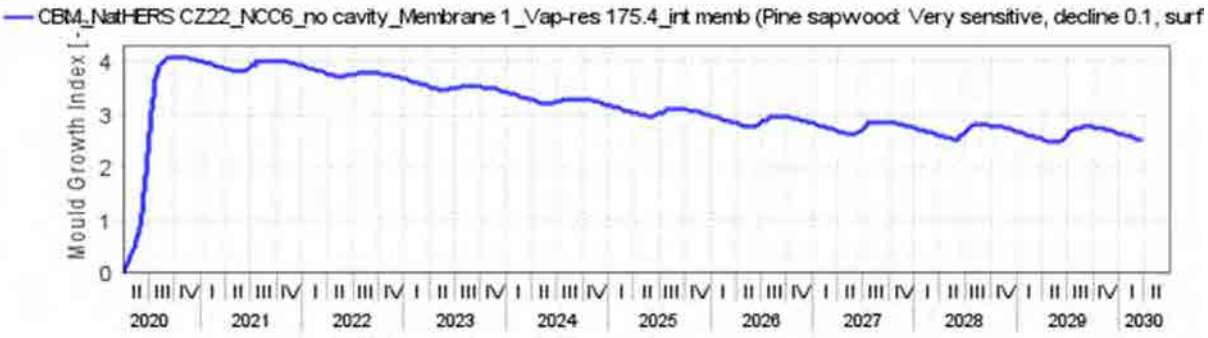

Figure 165 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

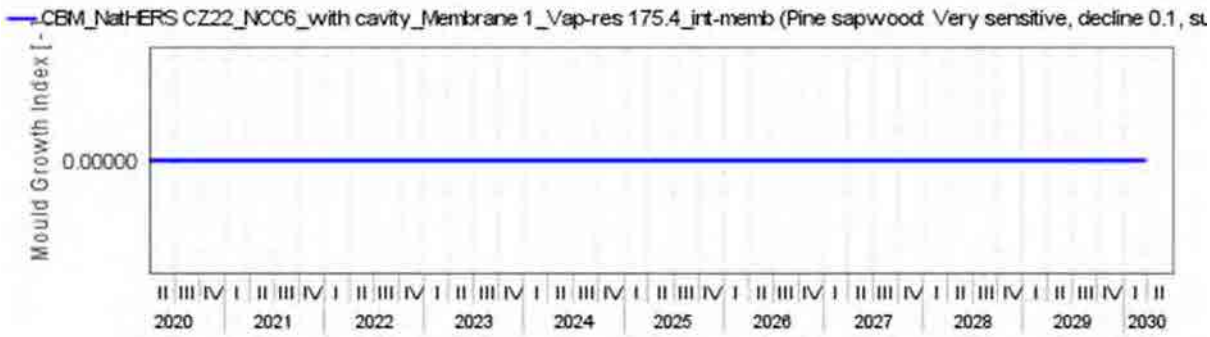

Figure 166 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

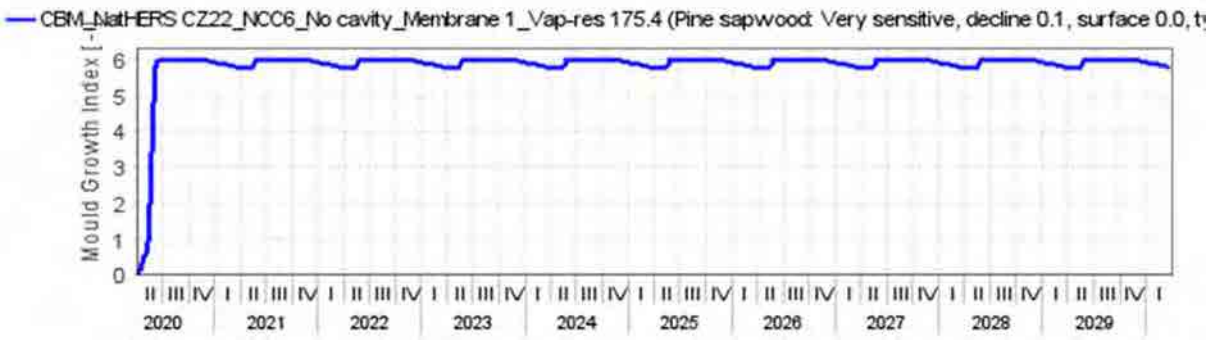

Figure 167: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

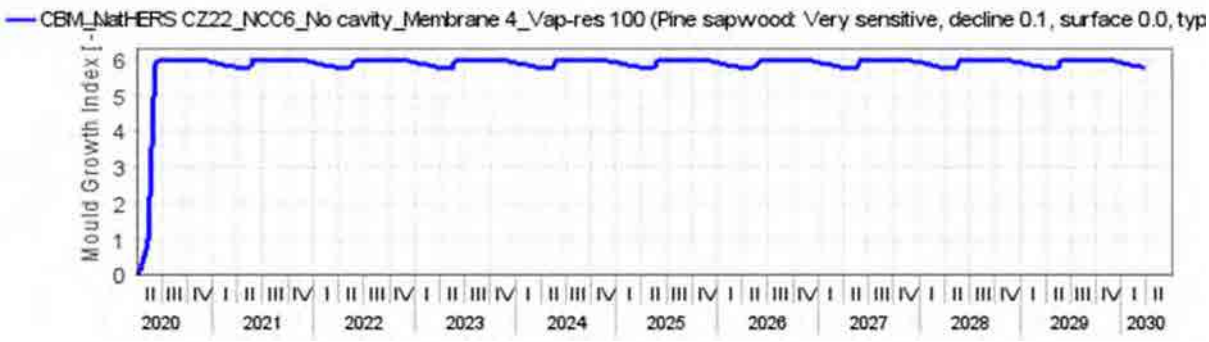

Figure 168 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

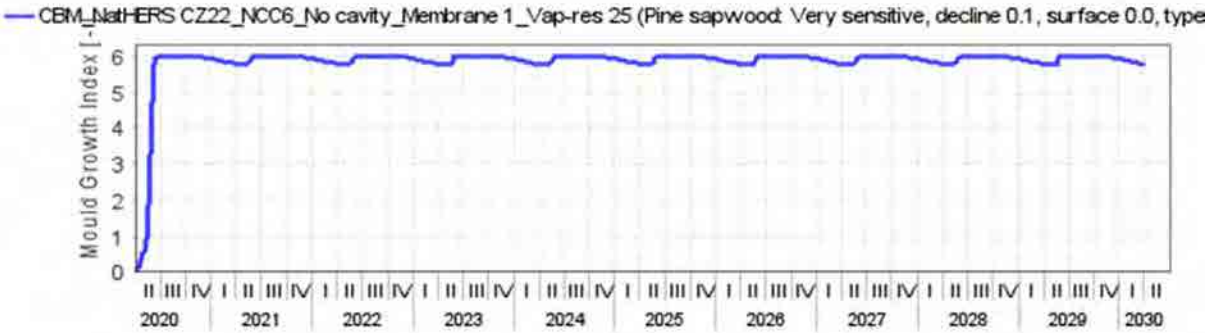

Figure 169: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

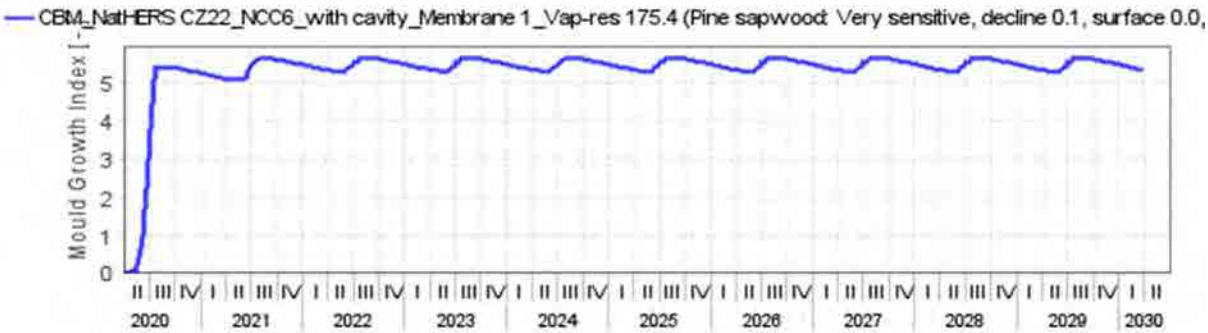

Figure 170: Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

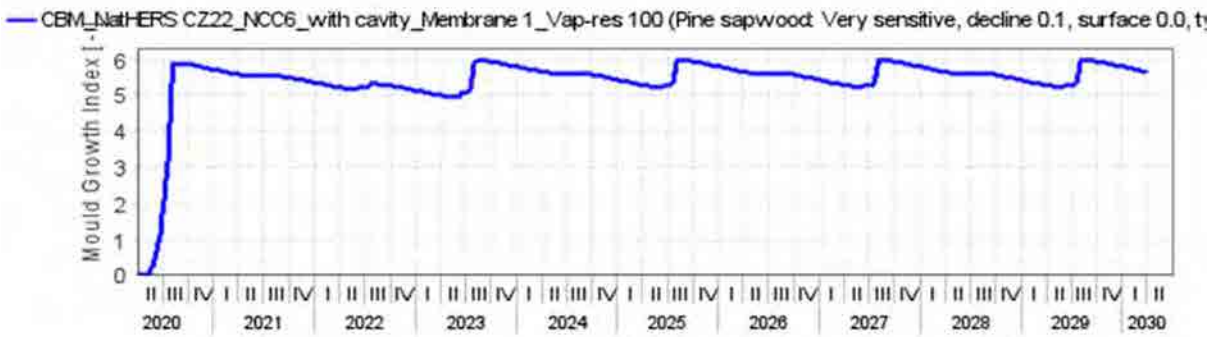

Figure 171 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

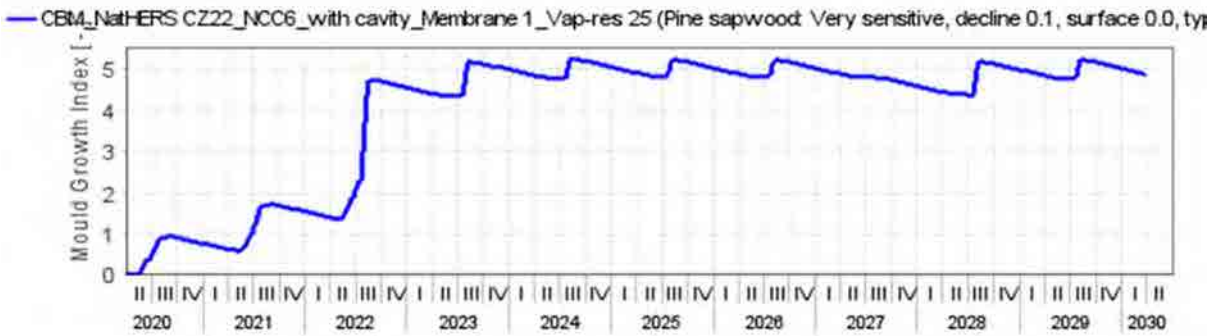

Figure 172 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

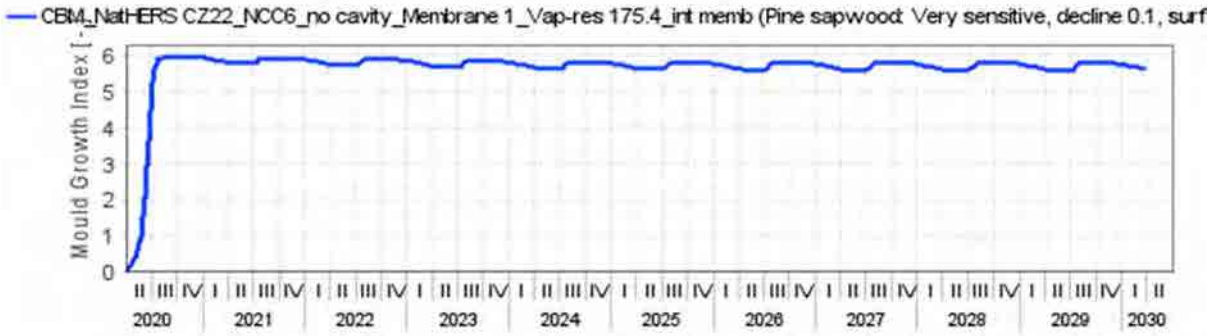

Figure 173 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

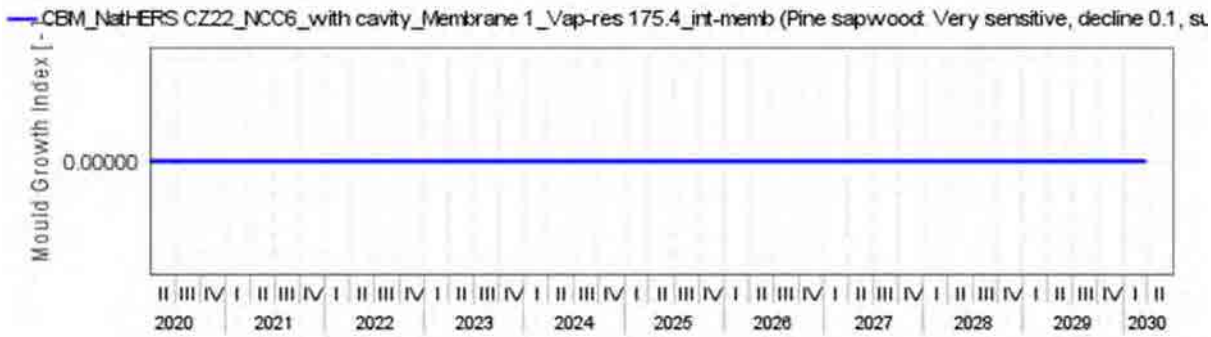

Figure 174 Concrete Block Masonry NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

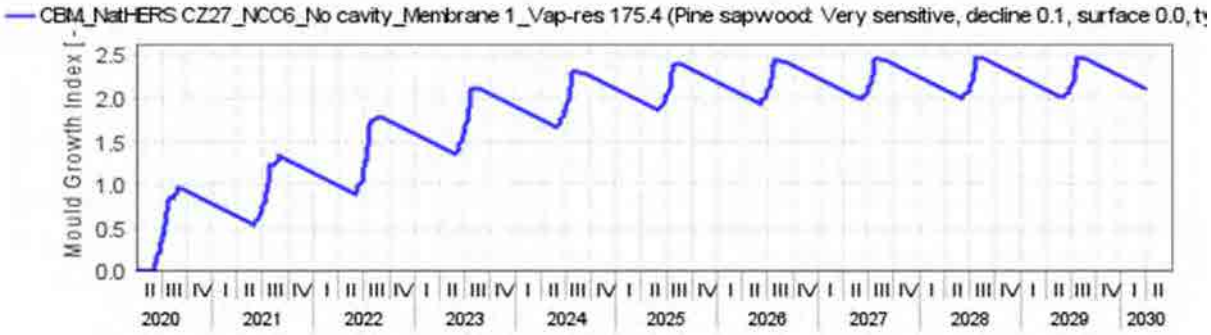

Figure 175: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

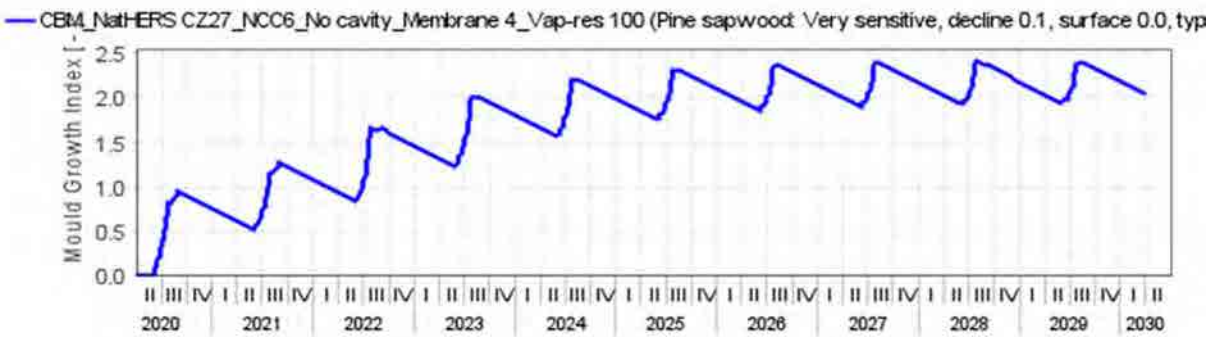

Figure 176 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further study.

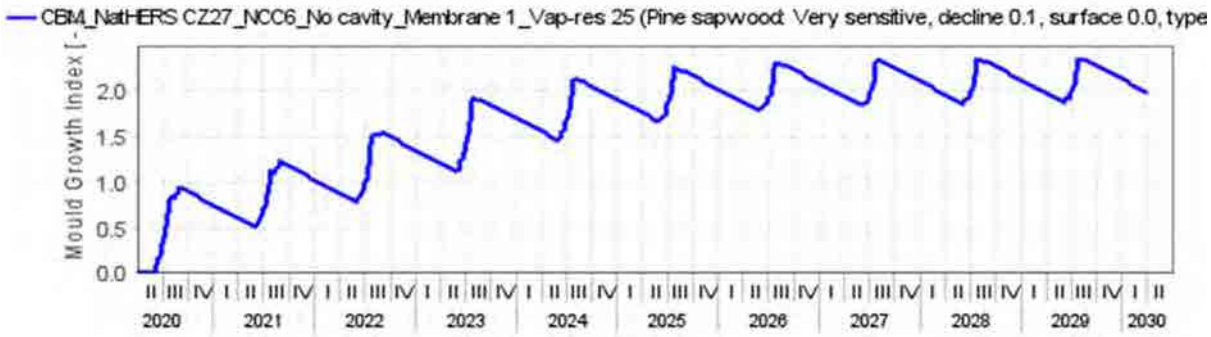

Figure 177: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

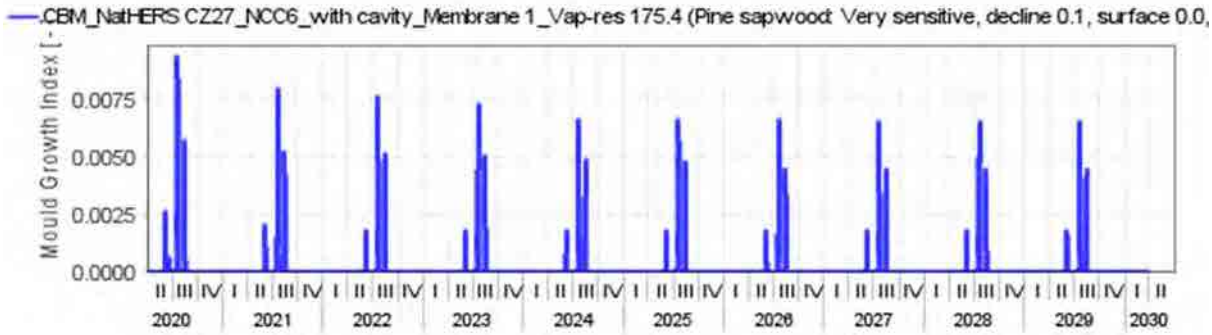

Figure 178: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

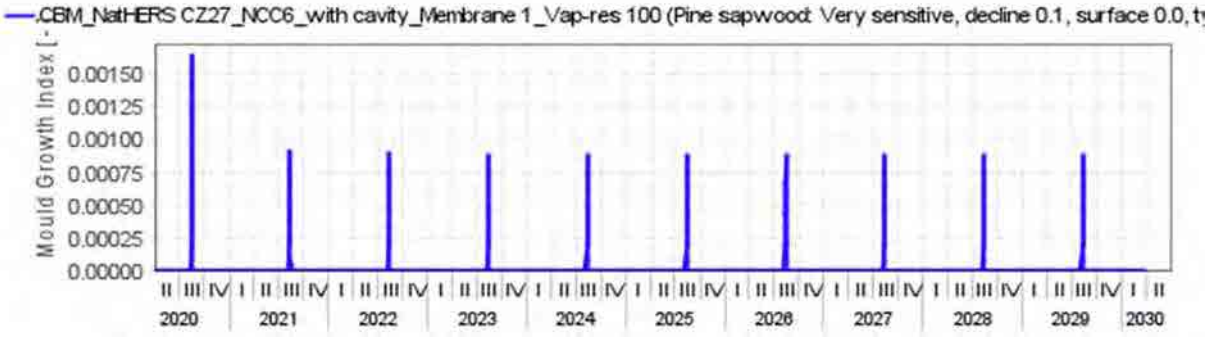

Figure 179 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

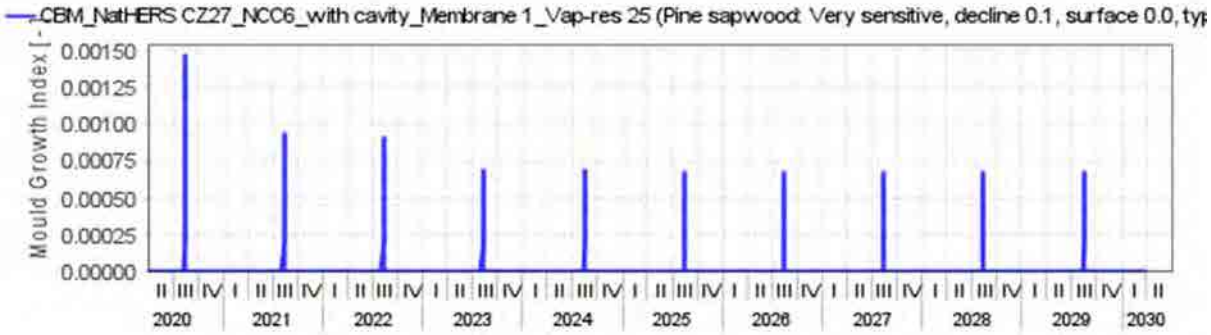

Figure 180 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

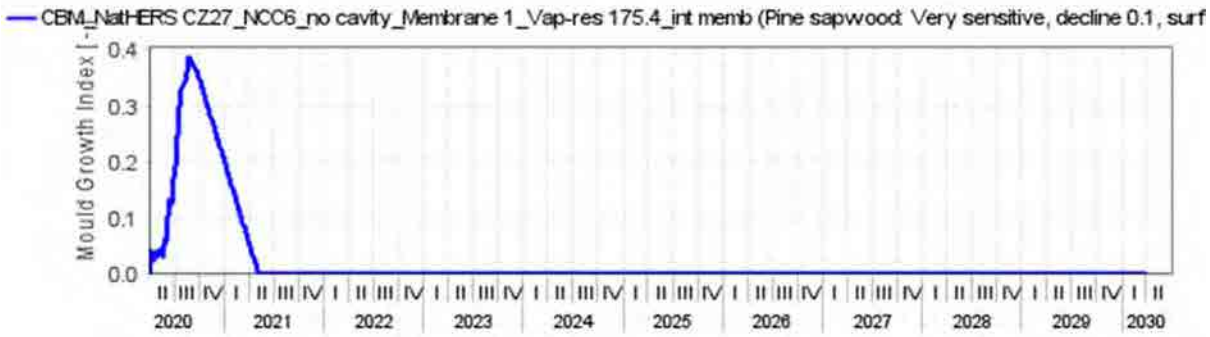

Figure 181 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

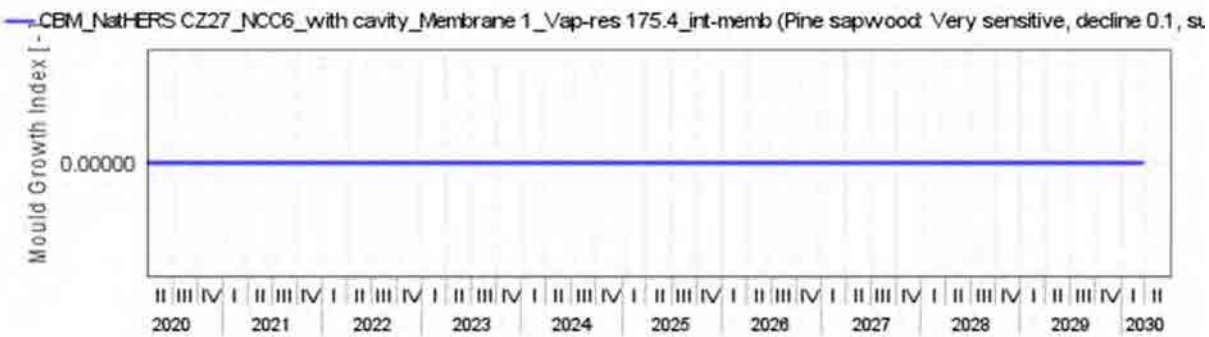

Figure 182 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

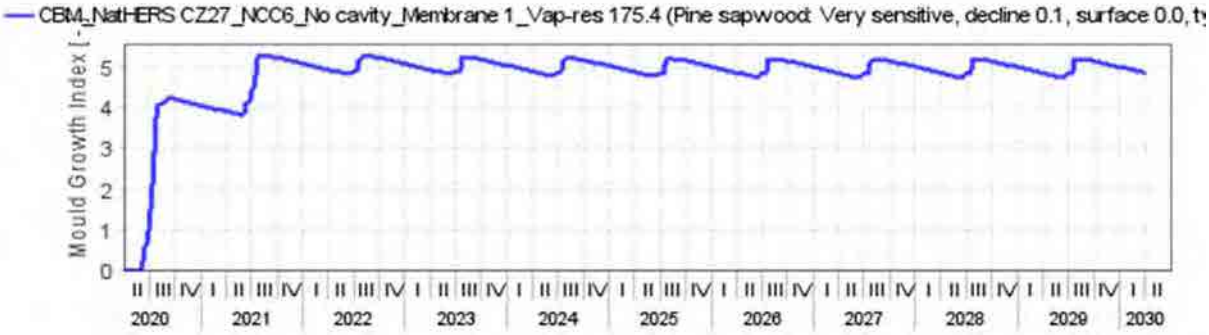

Figure 183: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

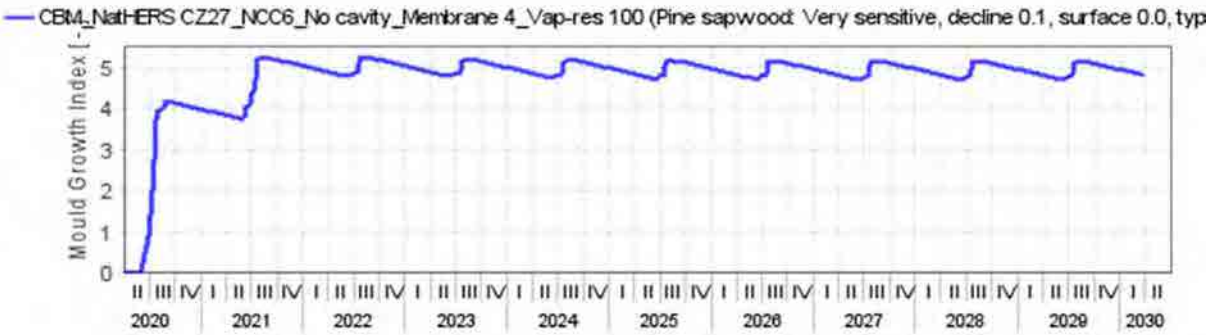

Figure 184 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

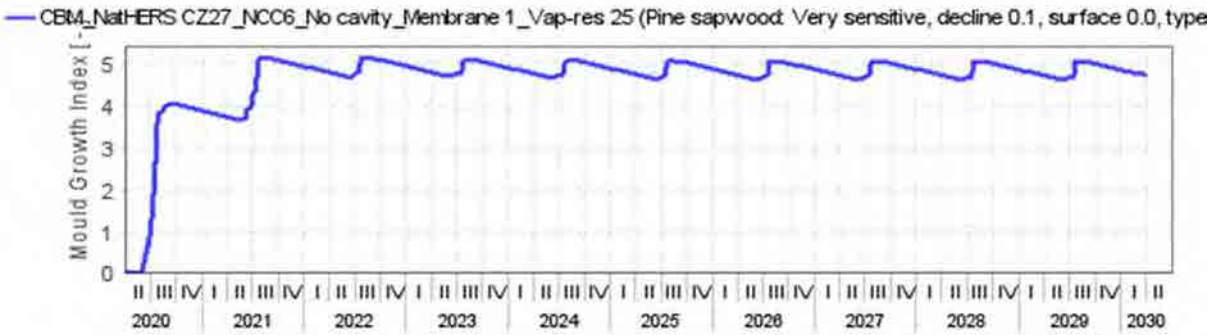

Figure 185: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

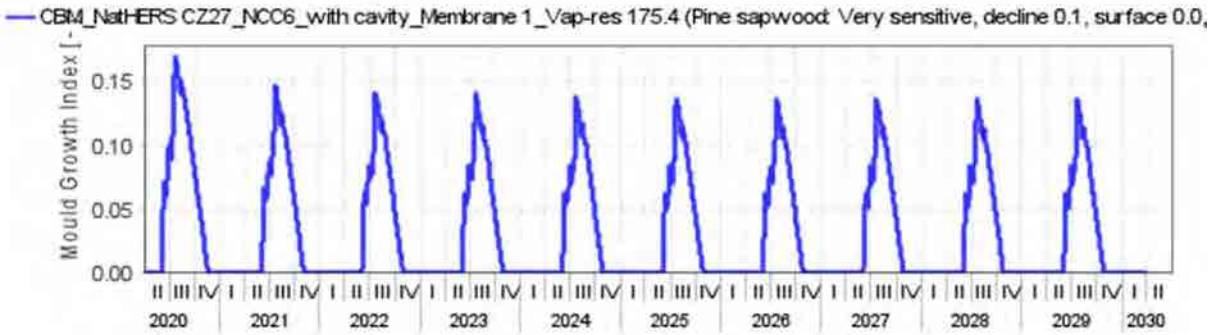

Figure 186: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

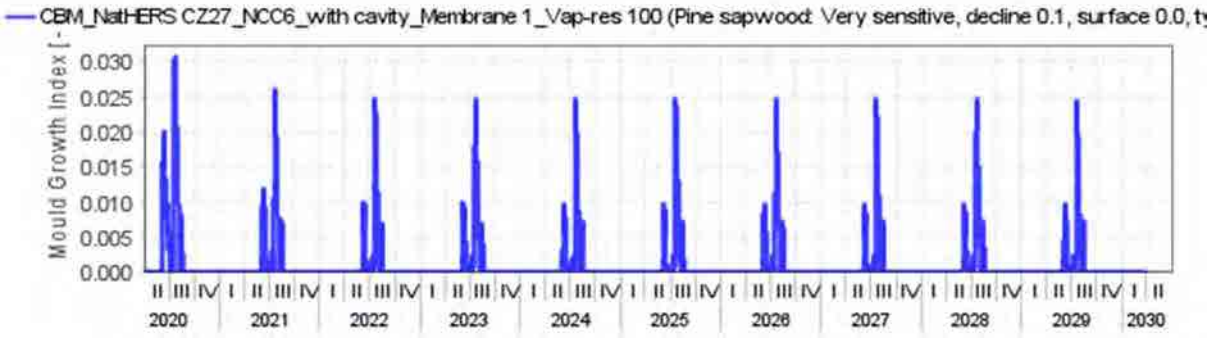

Figure 187 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

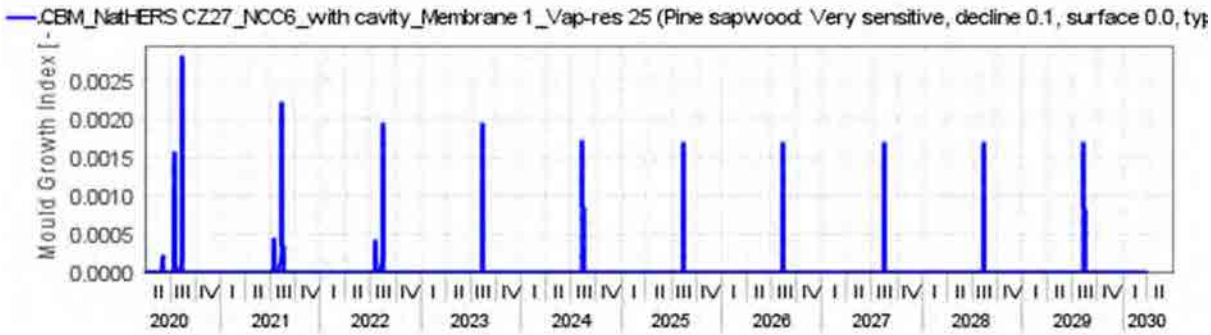

Figure 188 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

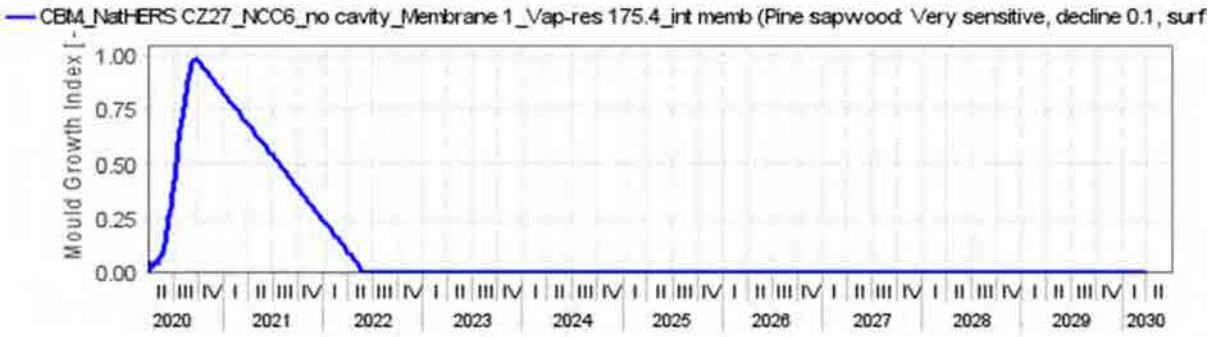

Figure 189 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

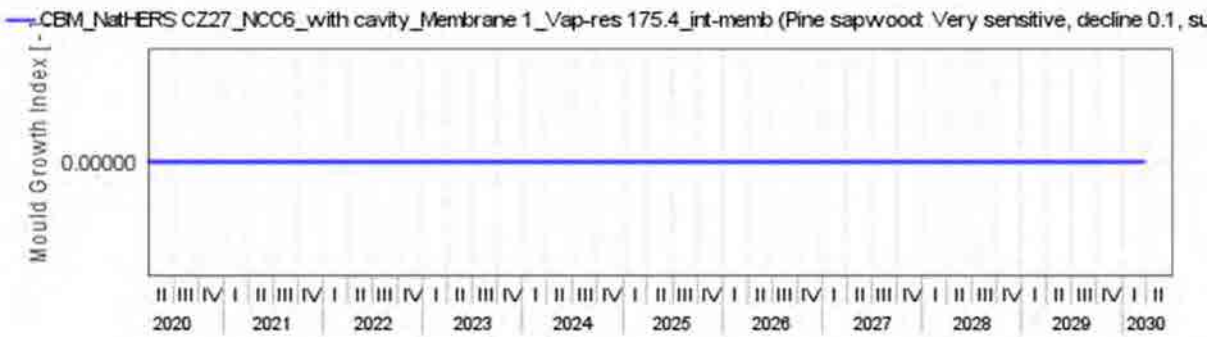

Figure 190 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

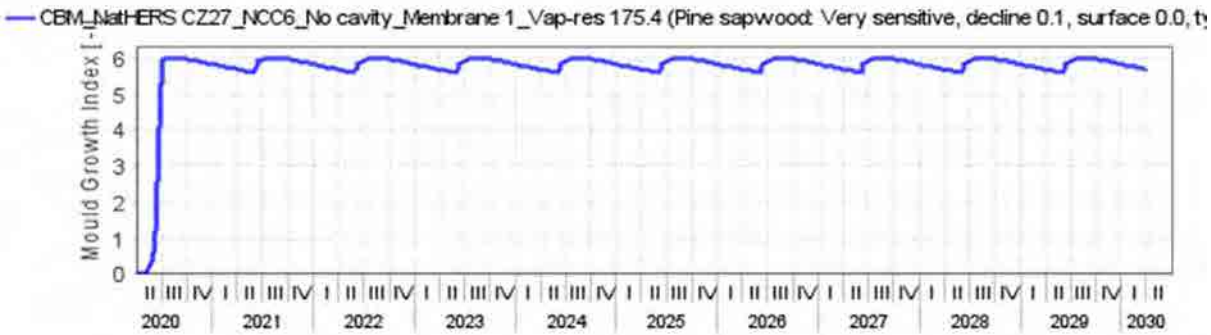

Figure 191: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

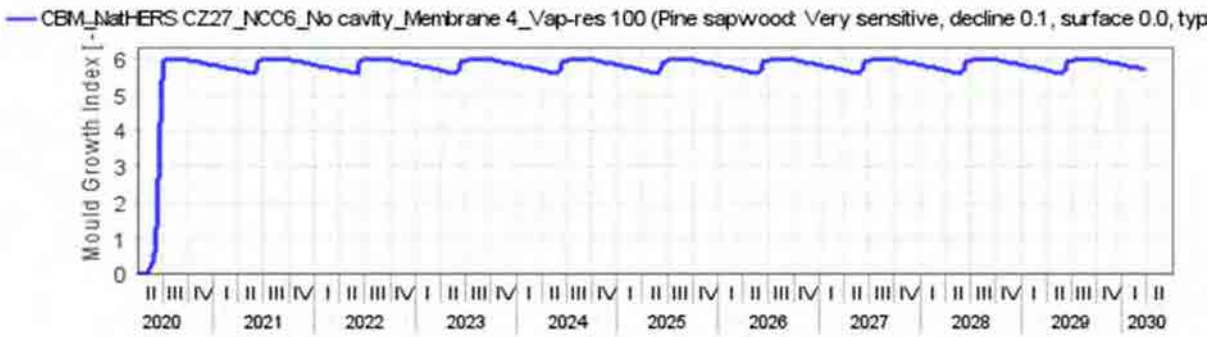

Figure 192 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

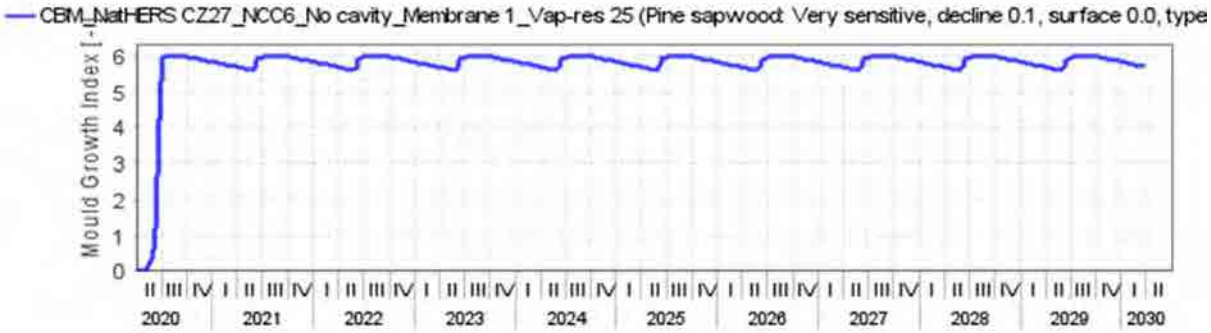

Figure 193: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

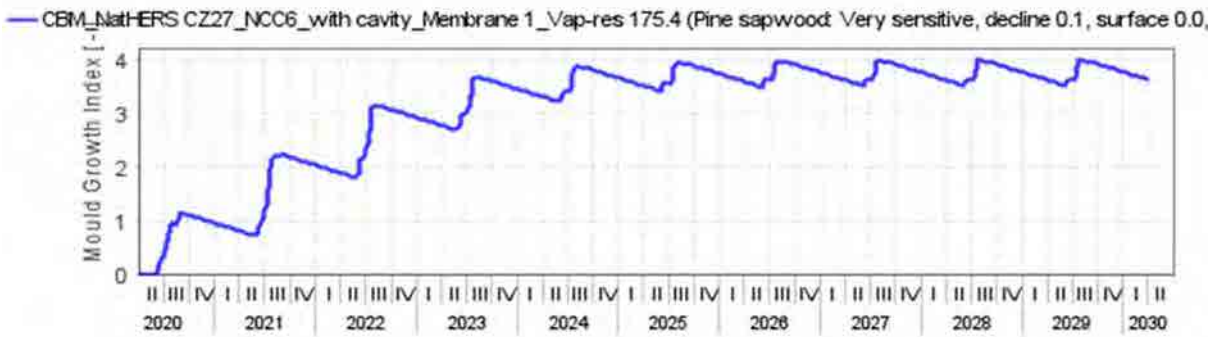

Figure 194: Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

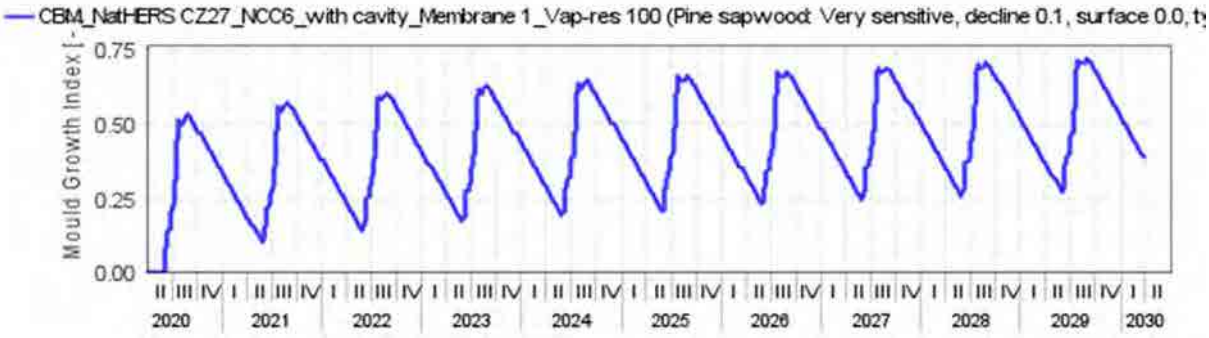

Figure 195 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

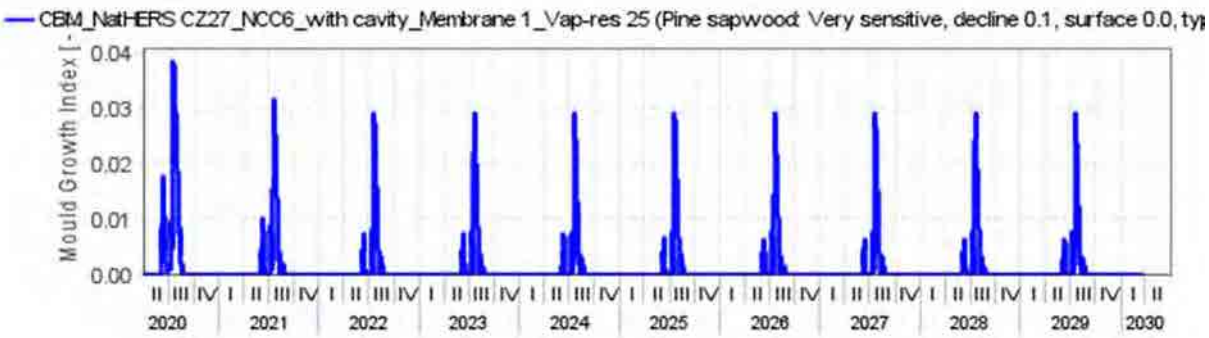

Figure 196 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

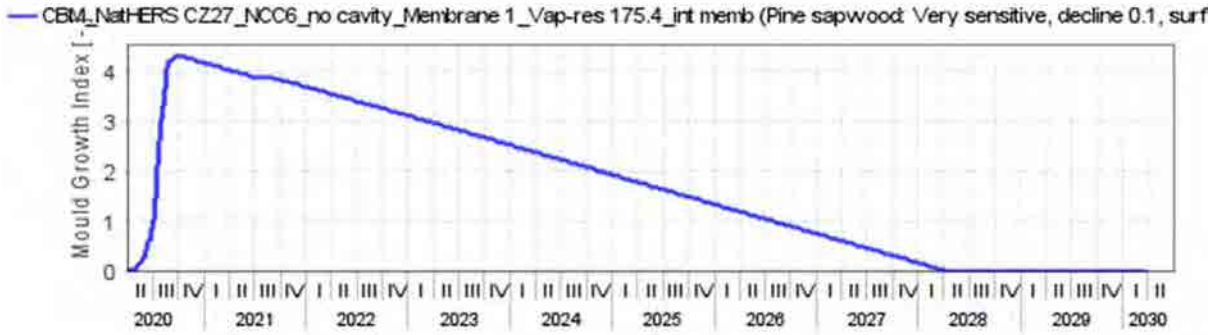

Figure 197 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

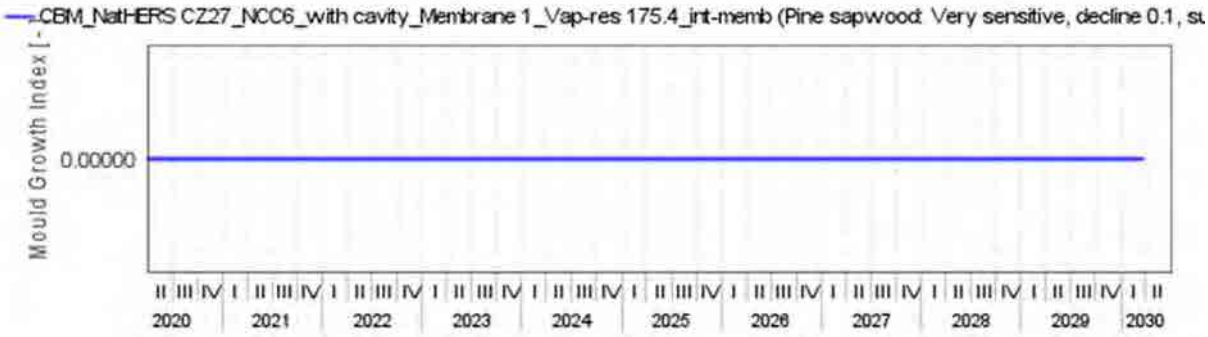

Figure 198 Concrete Block Masonry NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

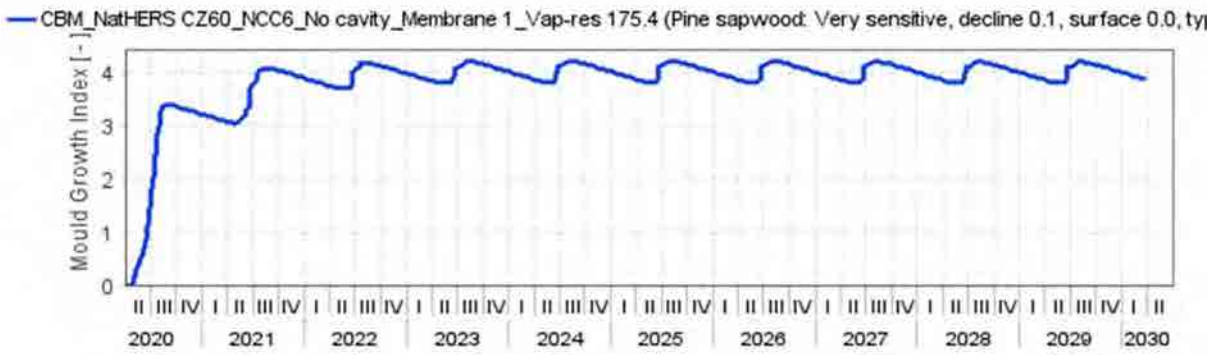

Figure 199: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

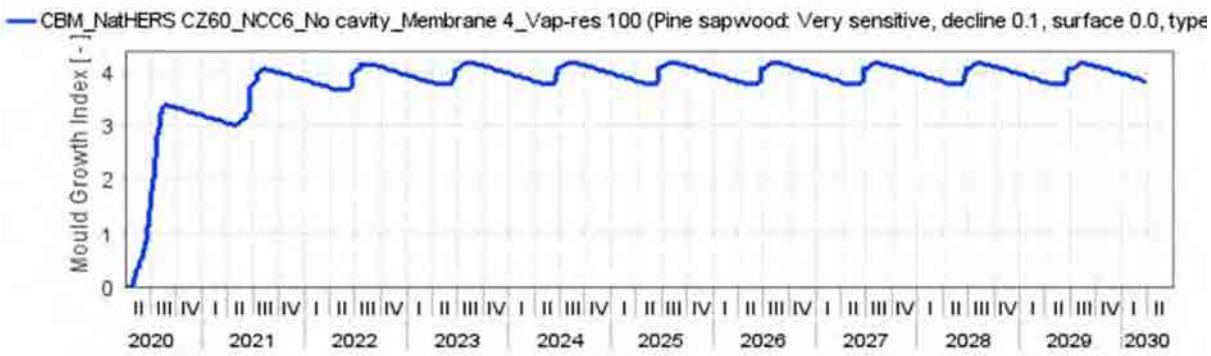

Figure 200 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

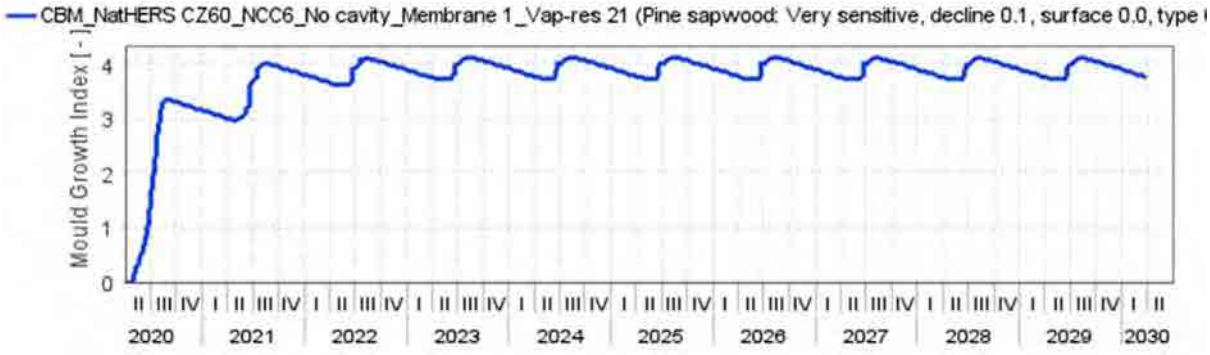

Figure 201: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

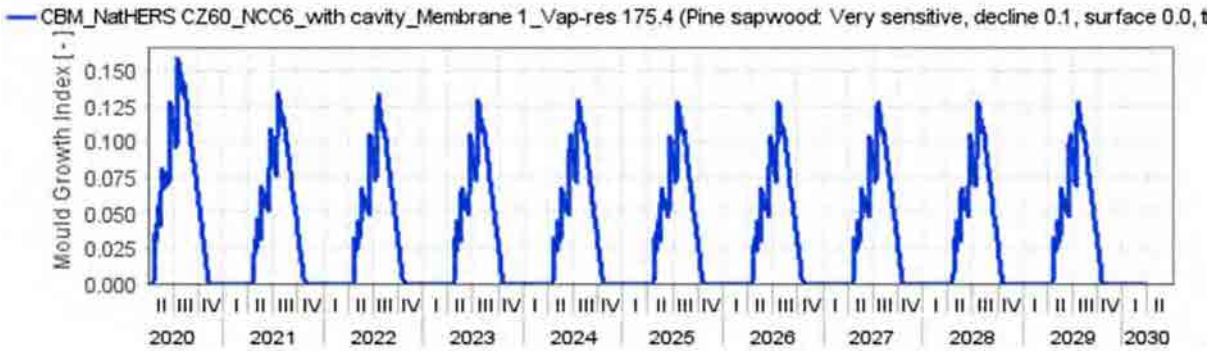

Figure 202: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

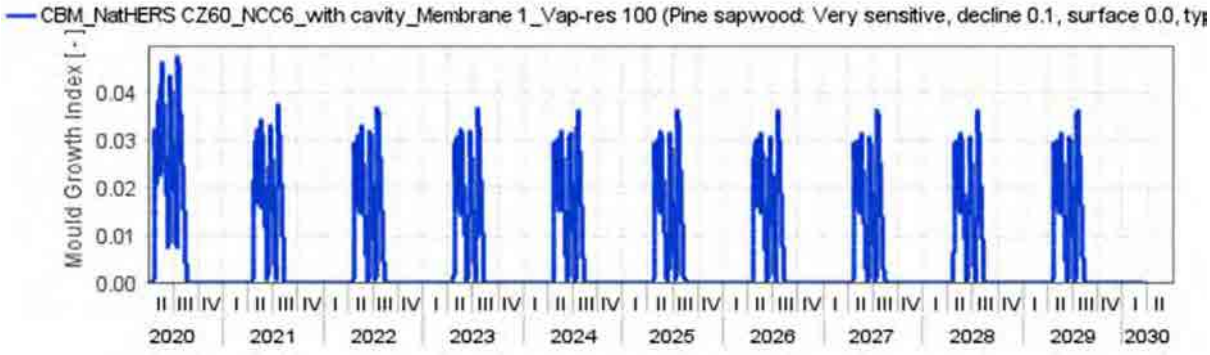

Figure 203 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

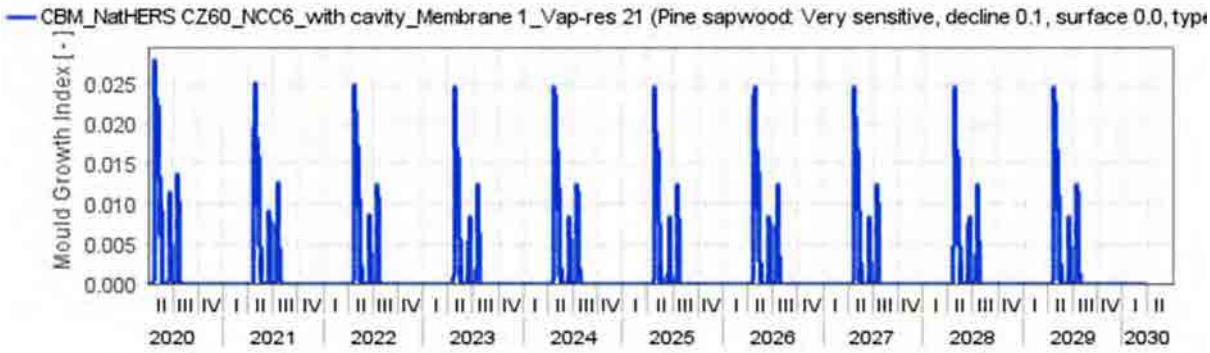

Figure 204 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

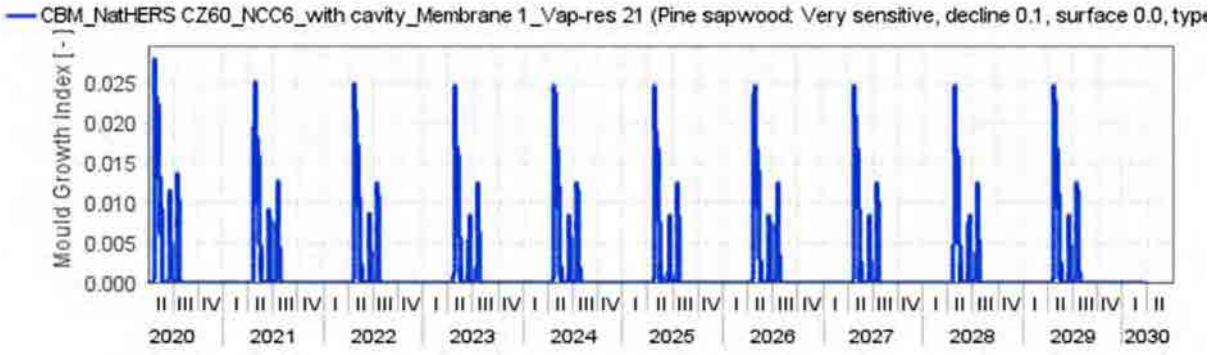

Figure 205 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

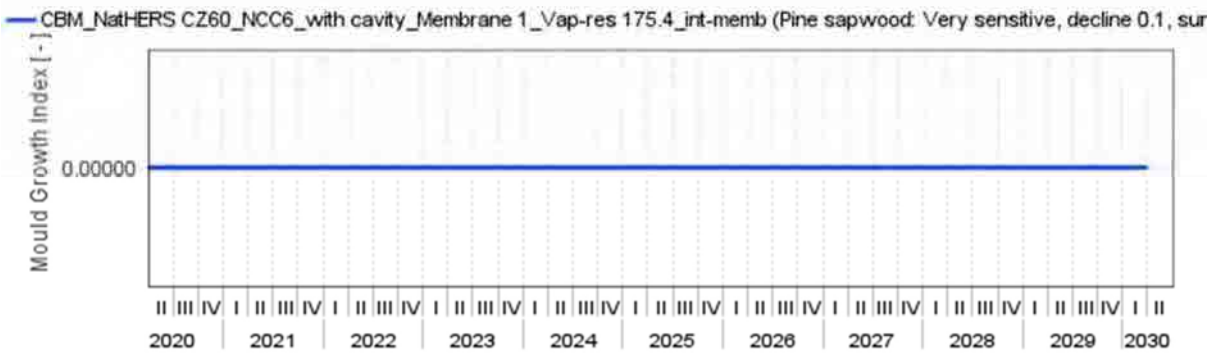

Figure 206 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 207: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

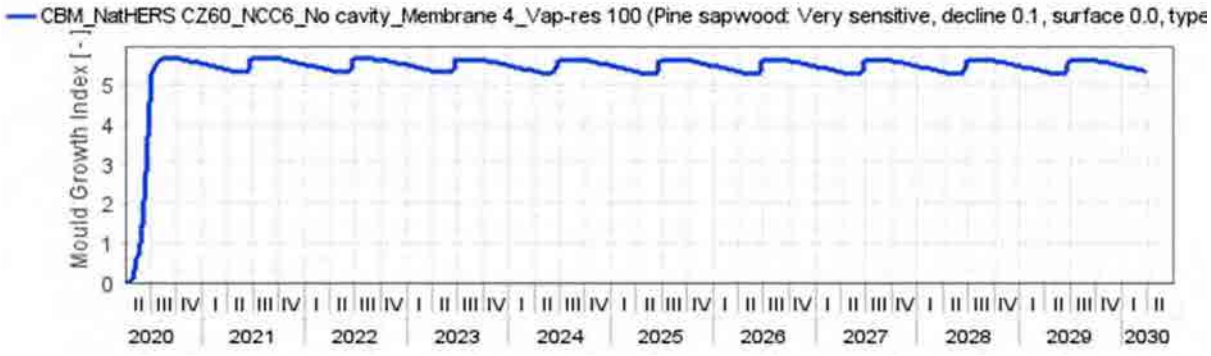

Figure 208 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

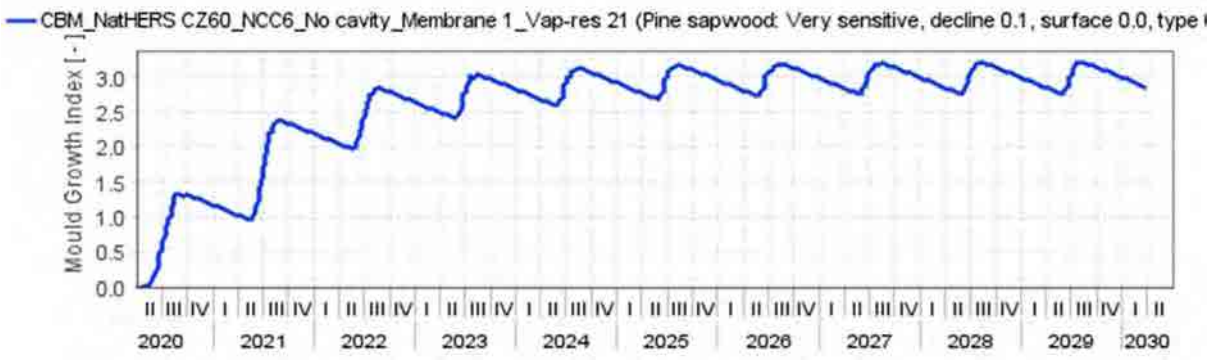

Figure 209: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

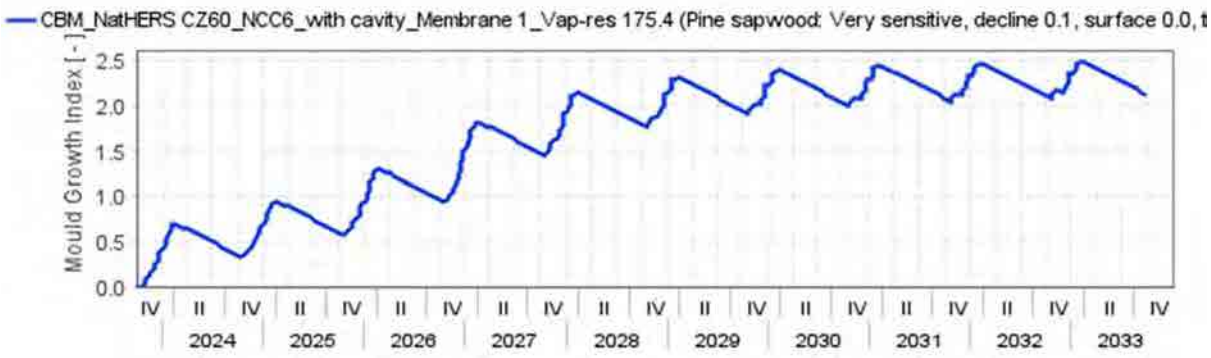

Figure 210: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

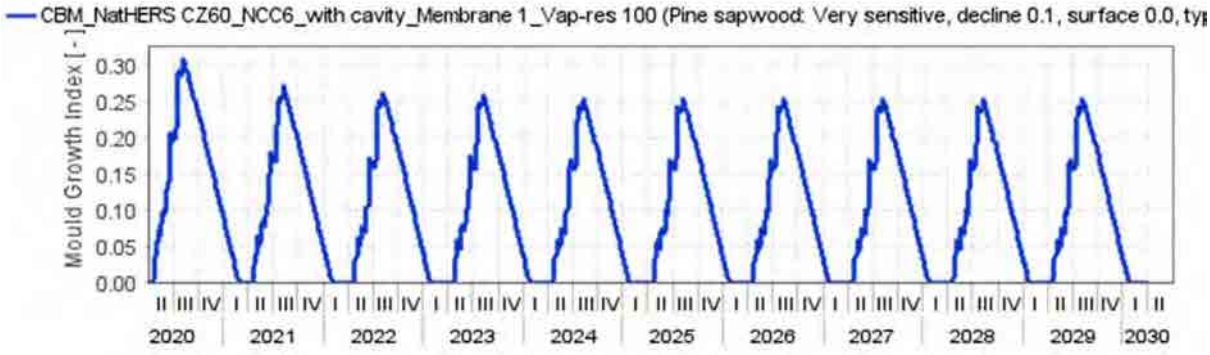

Figure 211 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

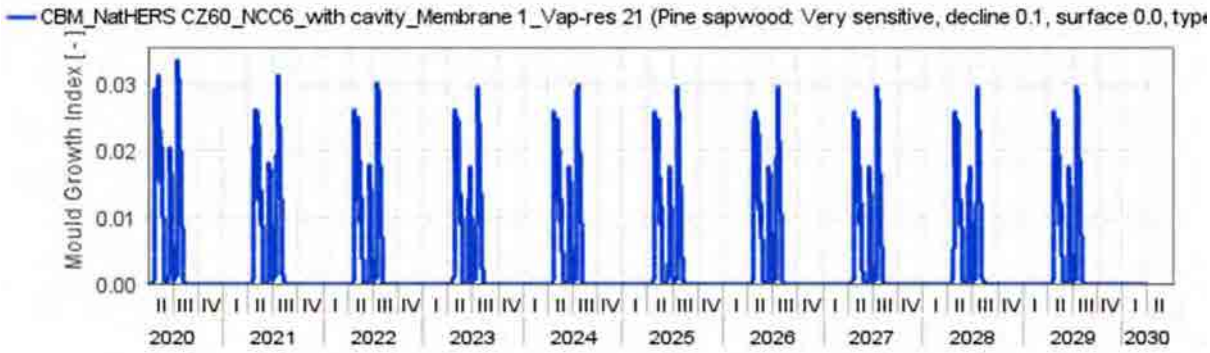

Figure 212 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

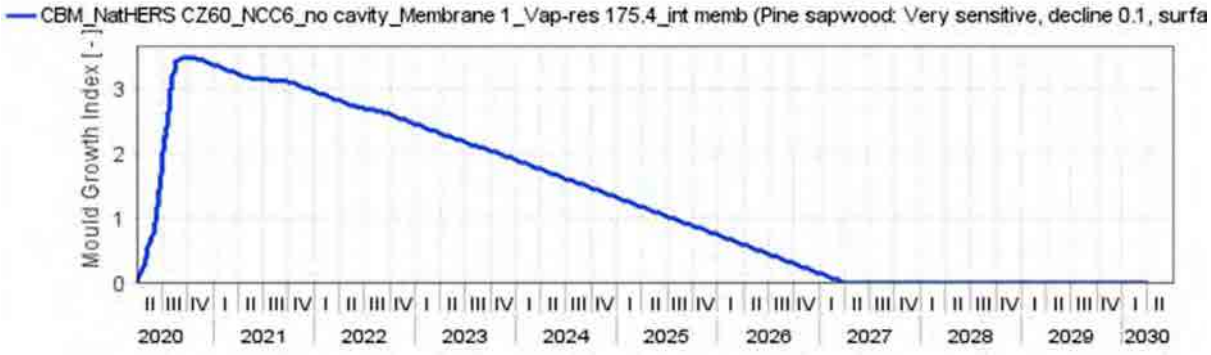

Figure 213 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

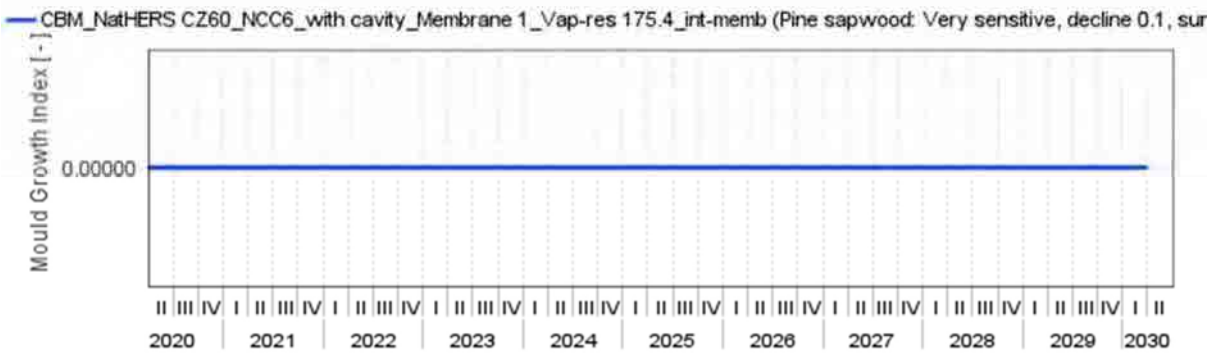

Figure 214 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

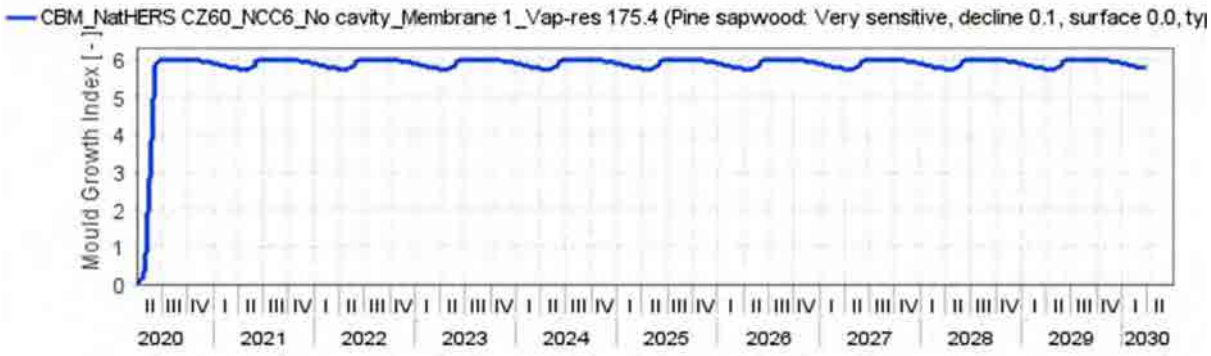

Figure 215: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

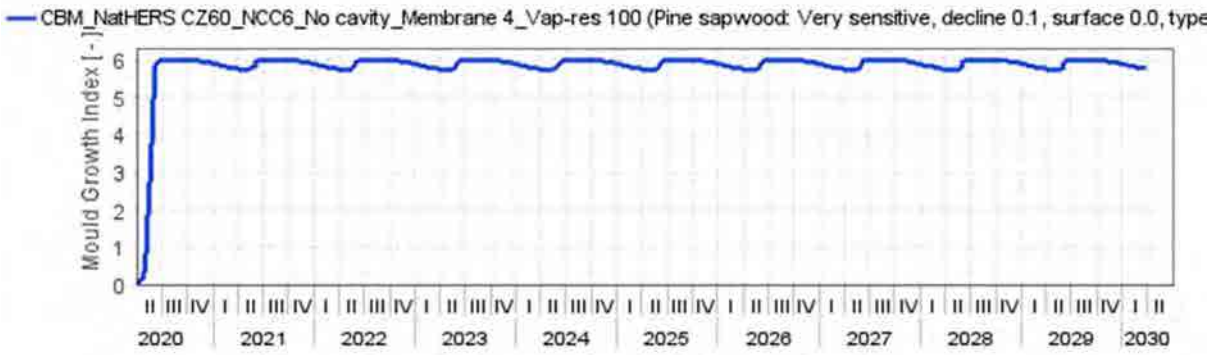

Figure 216 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

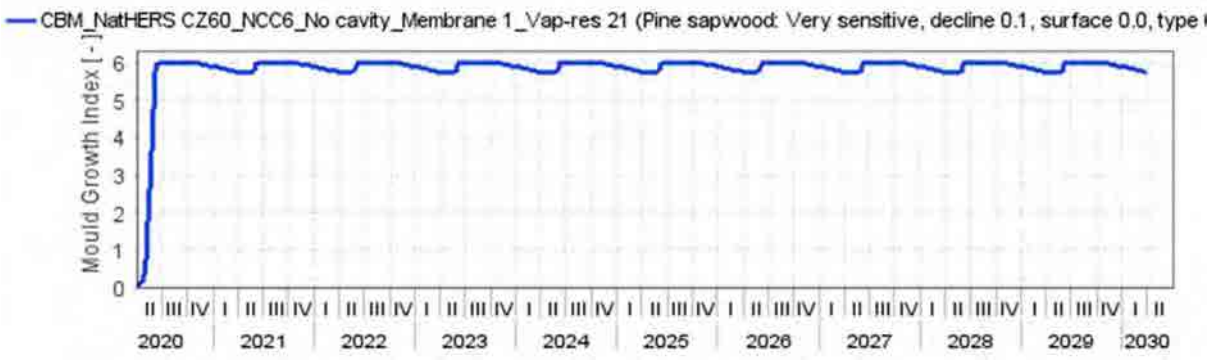

Figure 217: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 218: Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

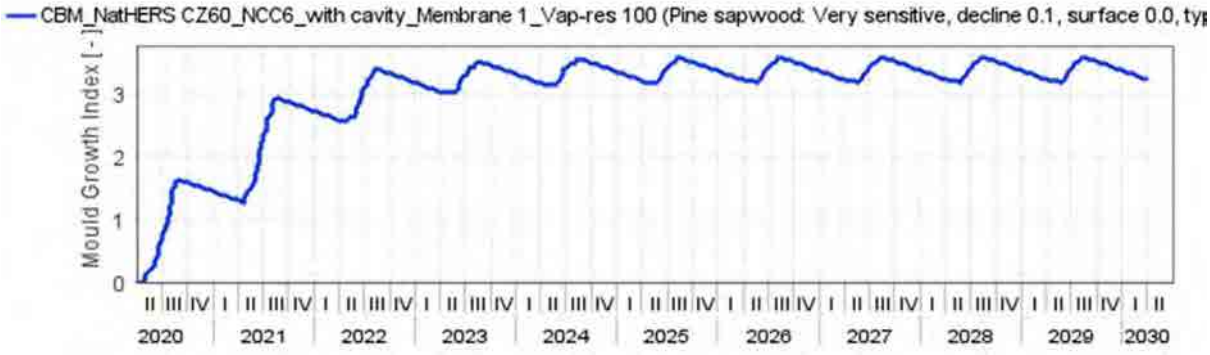

Figure 219 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

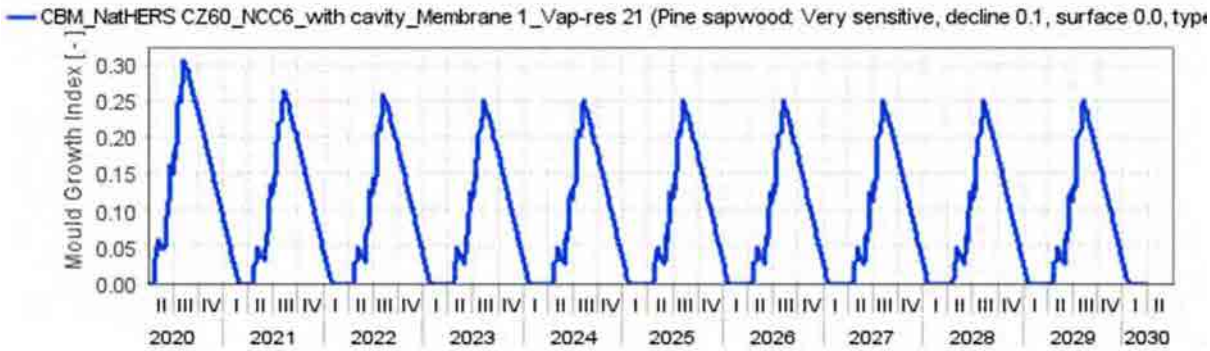

Figure 220 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

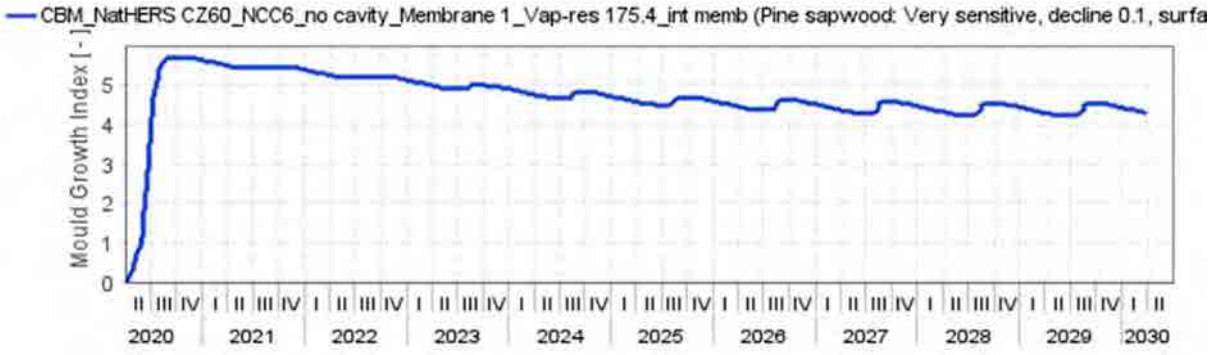

Figure 221 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

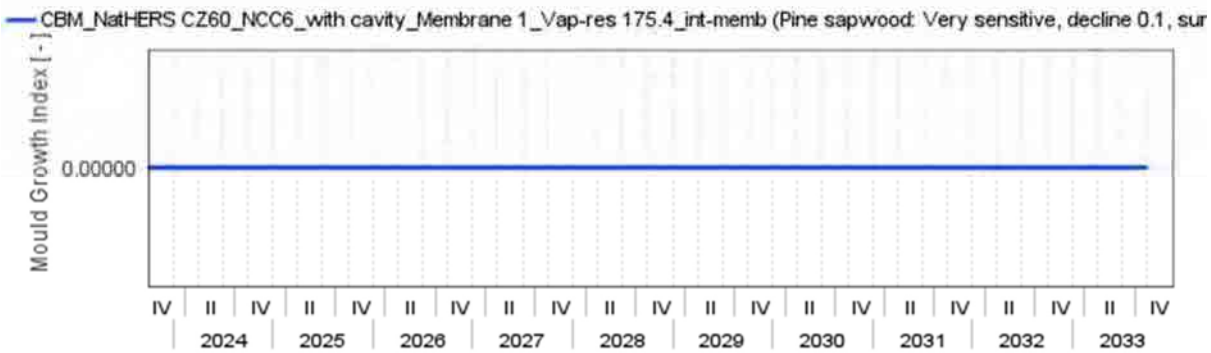

Figure 222 Concrete Block Masonry NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

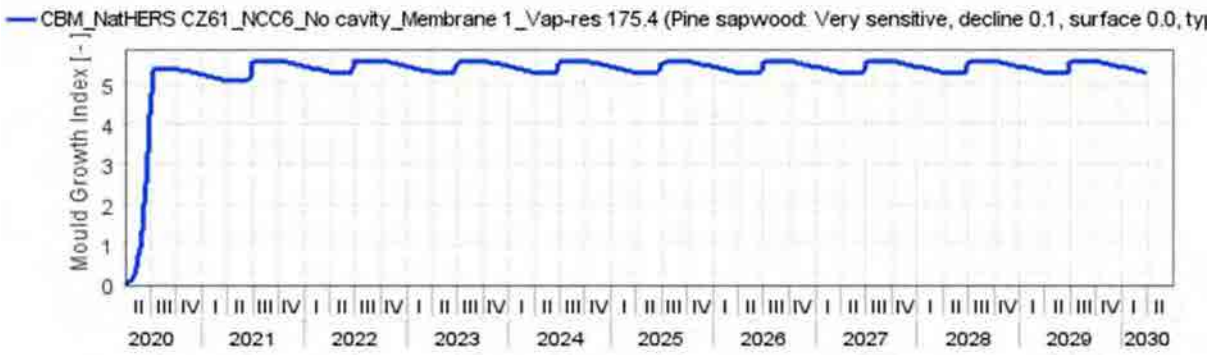

Figure 223: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

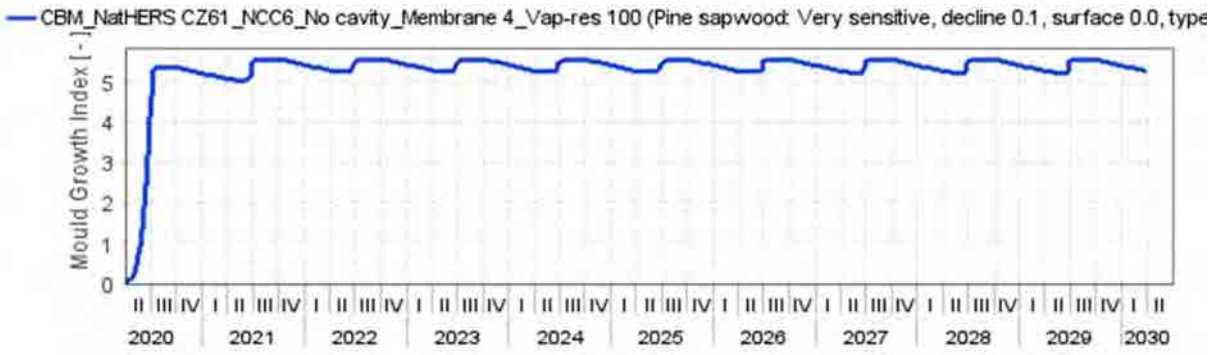

Figure 224 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

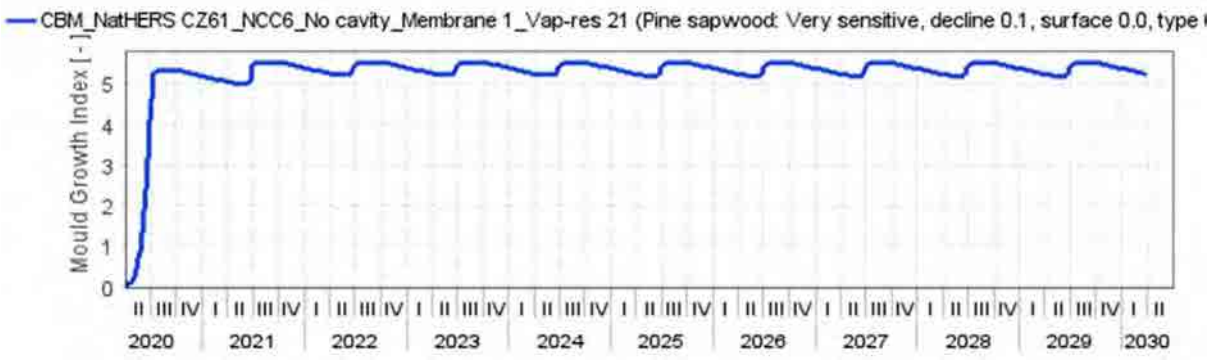

Figure 225: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

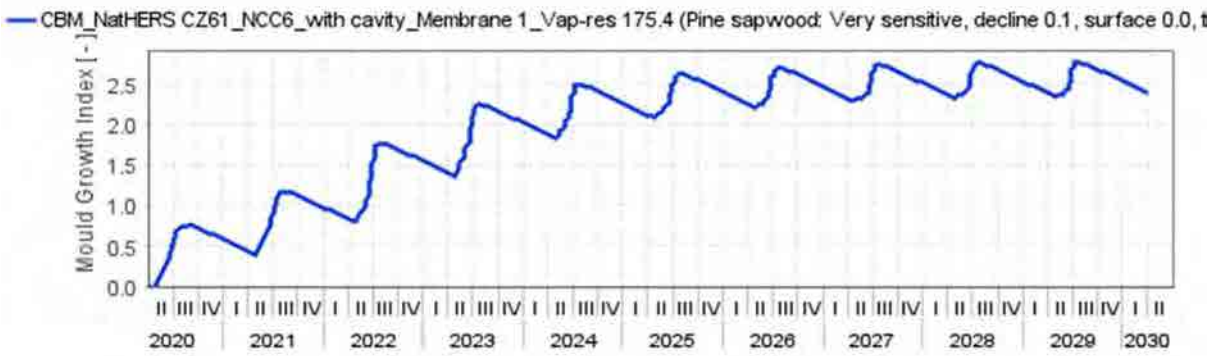

Figure 226: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

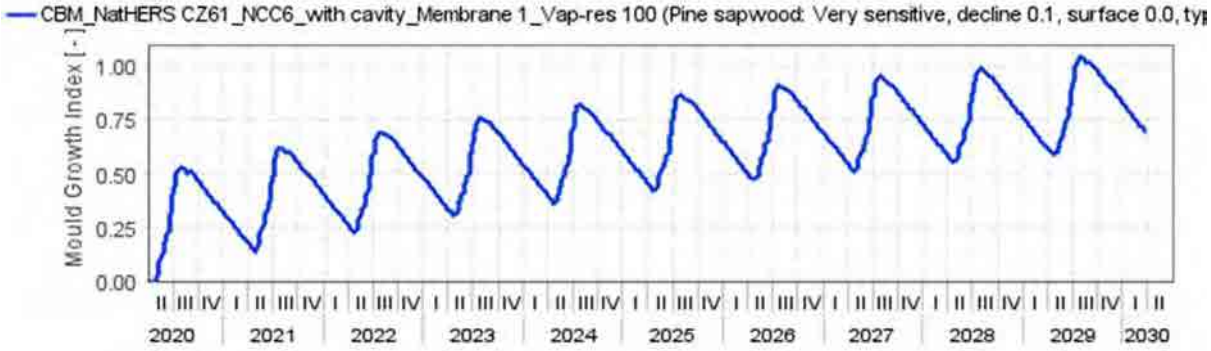

Figure 227 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

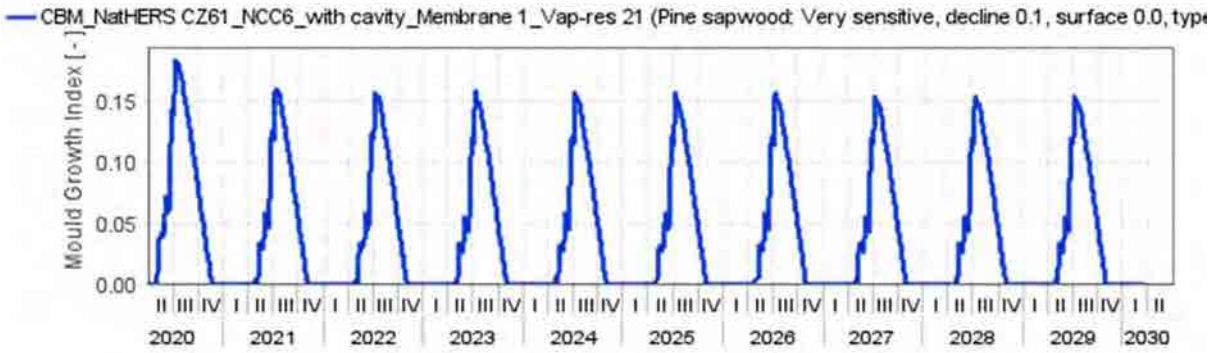

Figure 228 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

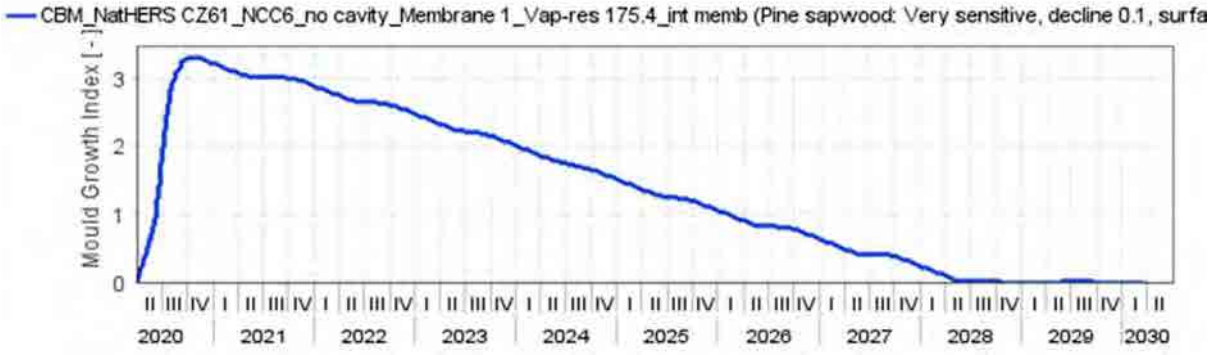

Figure 229 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

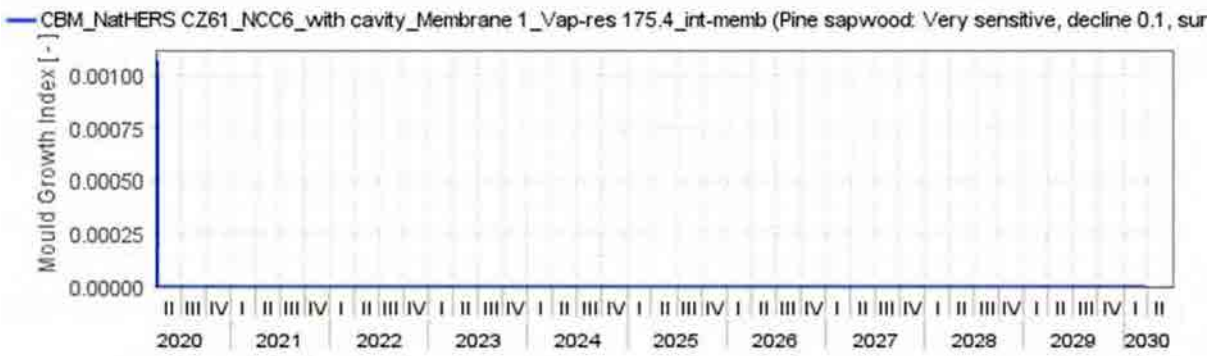

Figure 230 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

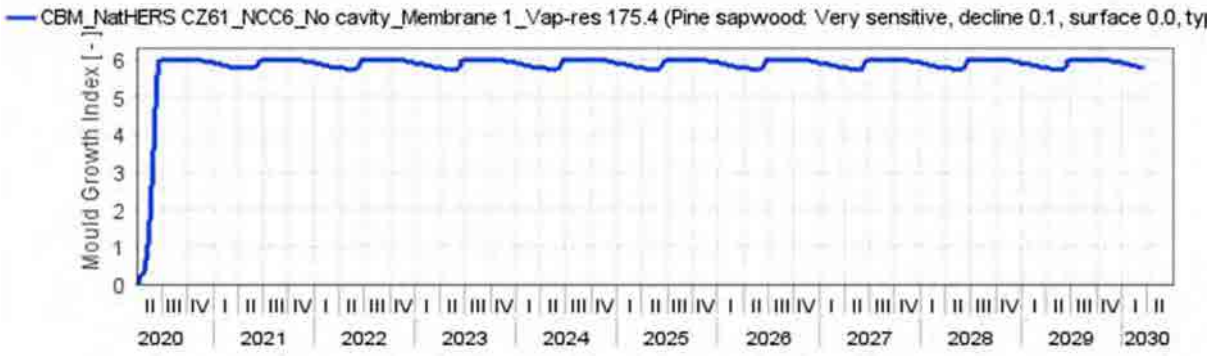

Figure 231: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

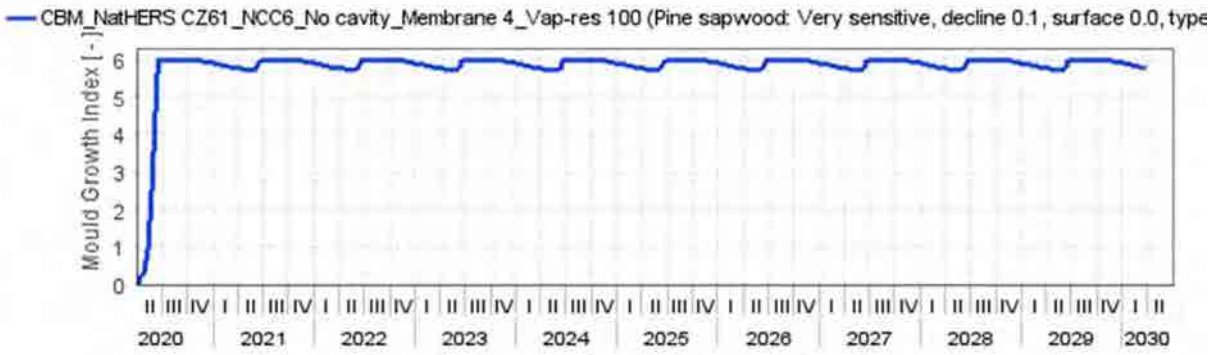

Figure 232 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

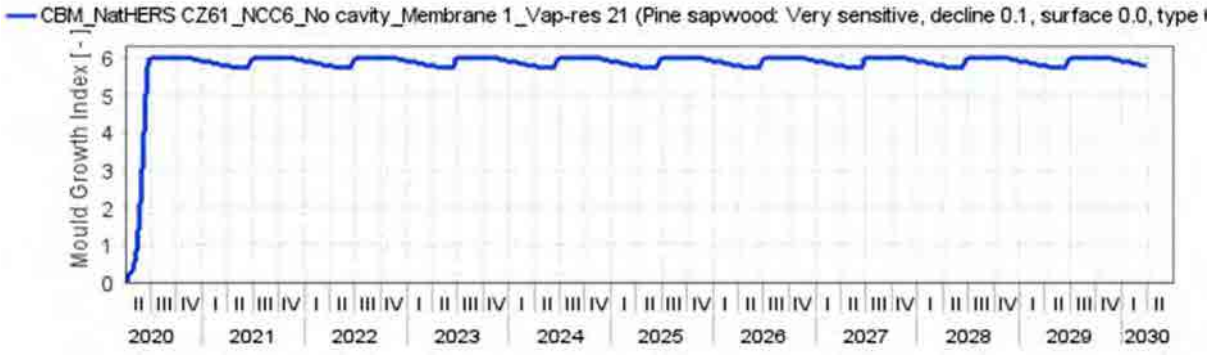

Figure 233: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 234: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

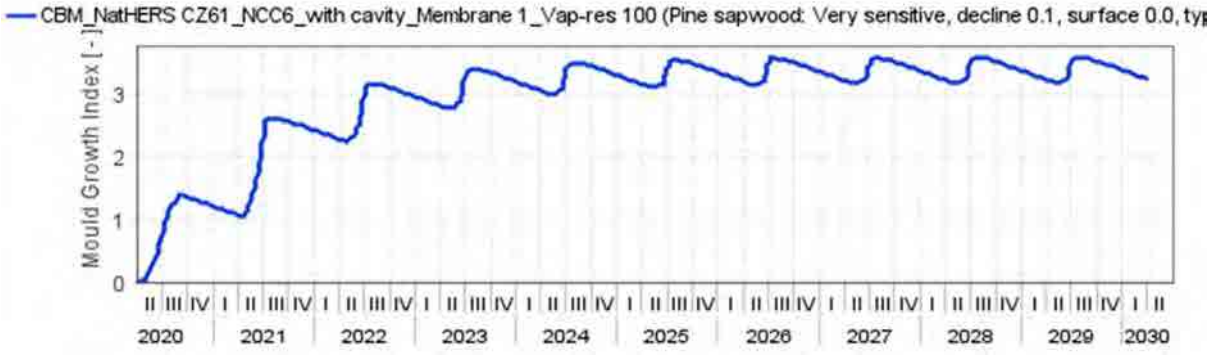

Figure 235 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

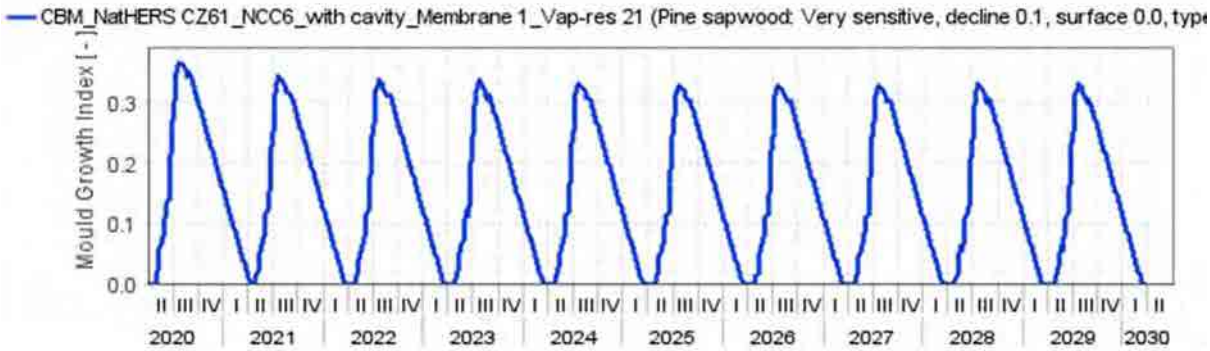

Figure 236 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

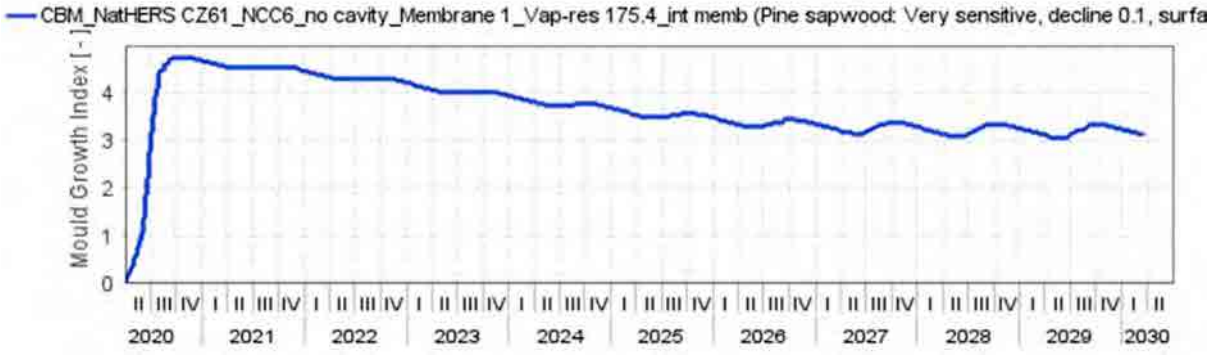

Figure 237 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

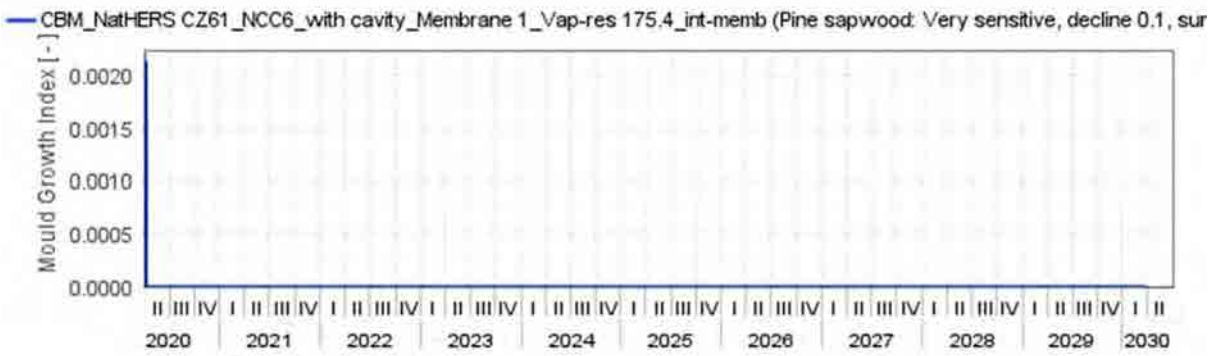

Figure 238 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

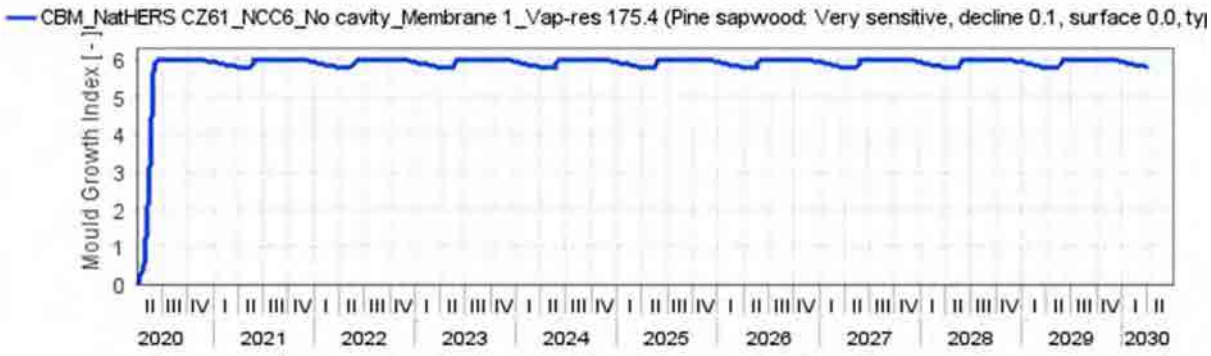

Figure 239: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

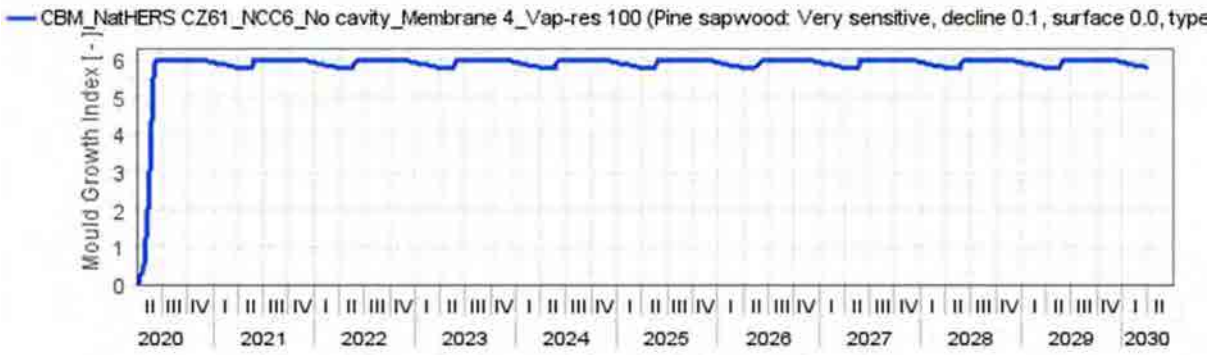

Figure 240 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

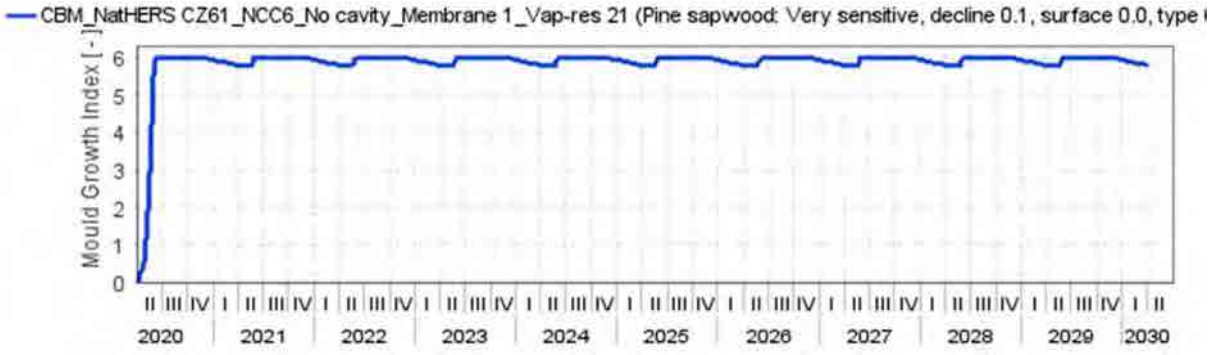

Figure 241: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

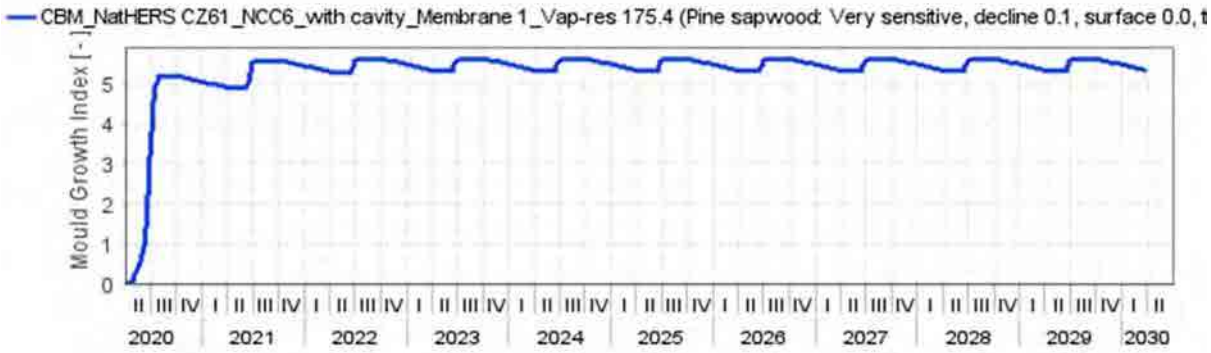

Figure 242: Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

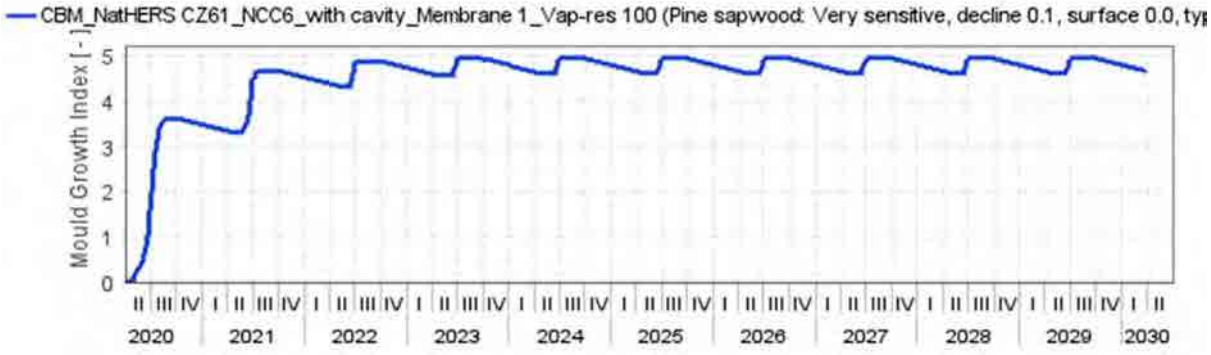

Figure 243 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

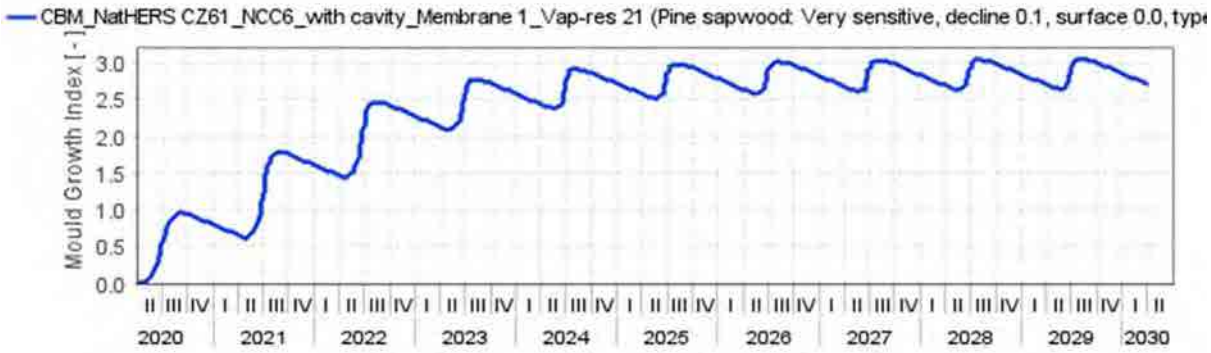

Figure 244 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

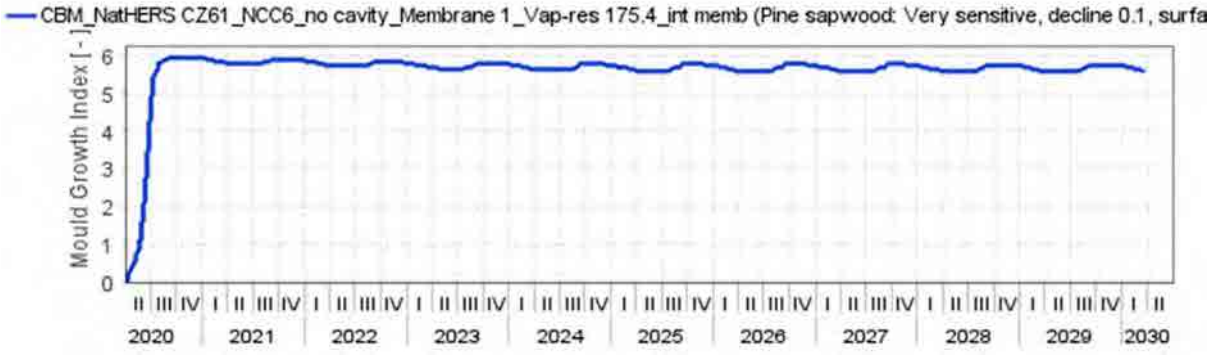

Figure 245 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

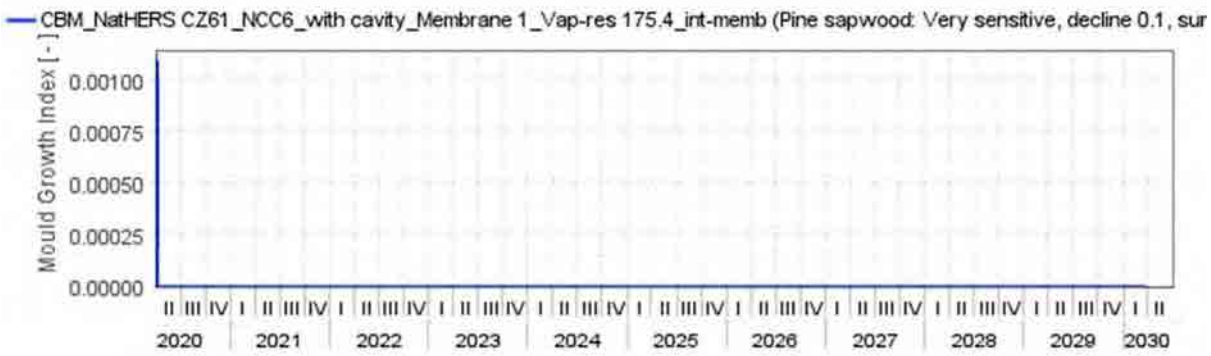

Figure 246 Concrete Block Masonry NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane 1 Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

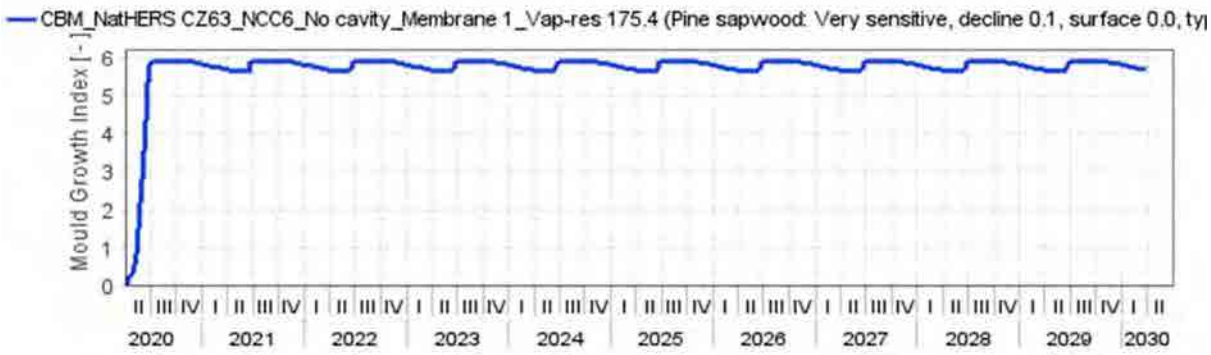

Figure 247: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

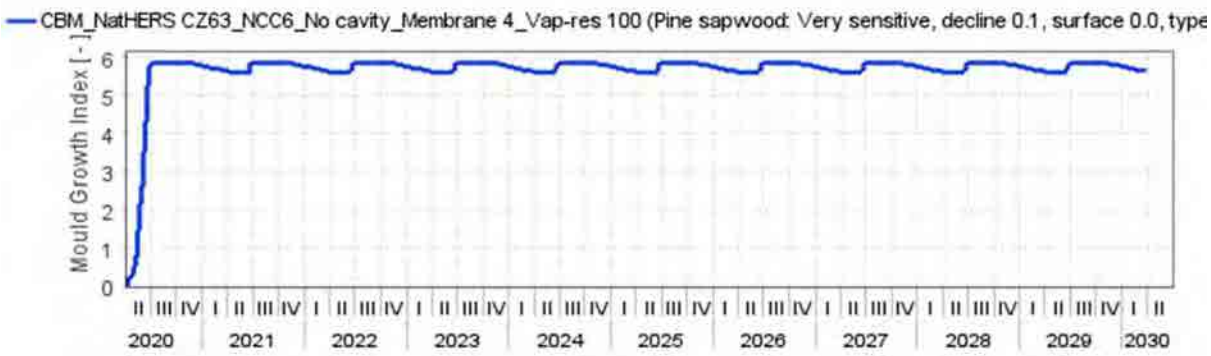

Figure 248 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

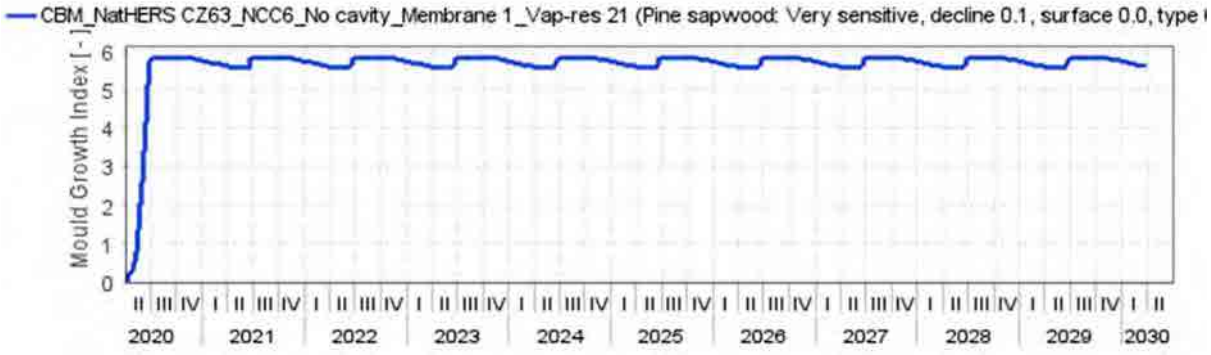

Figure 249: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 250: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

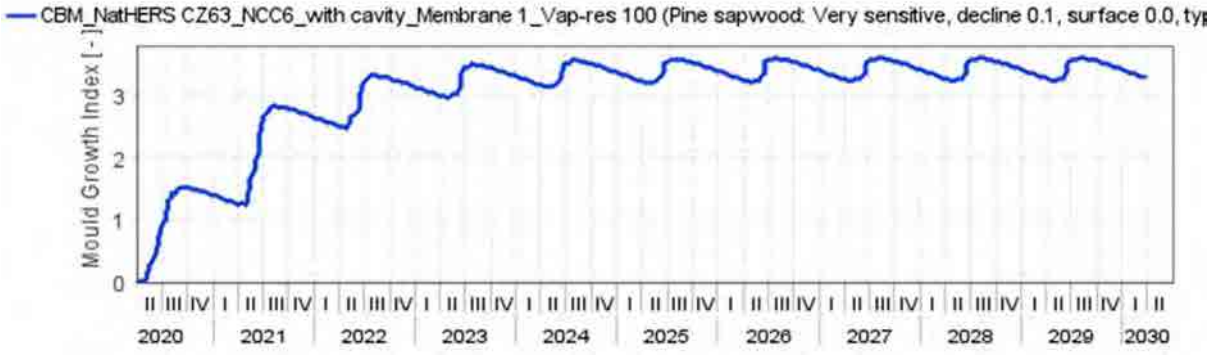

Figure 251 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

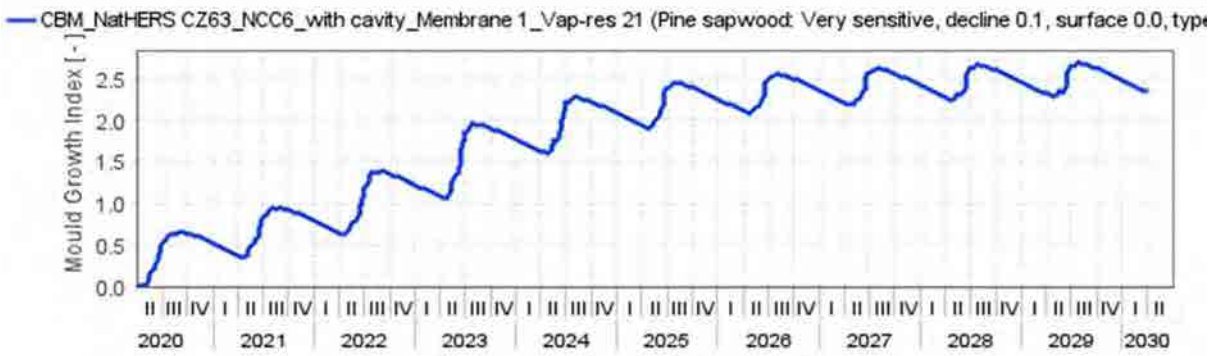

Figure 252 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

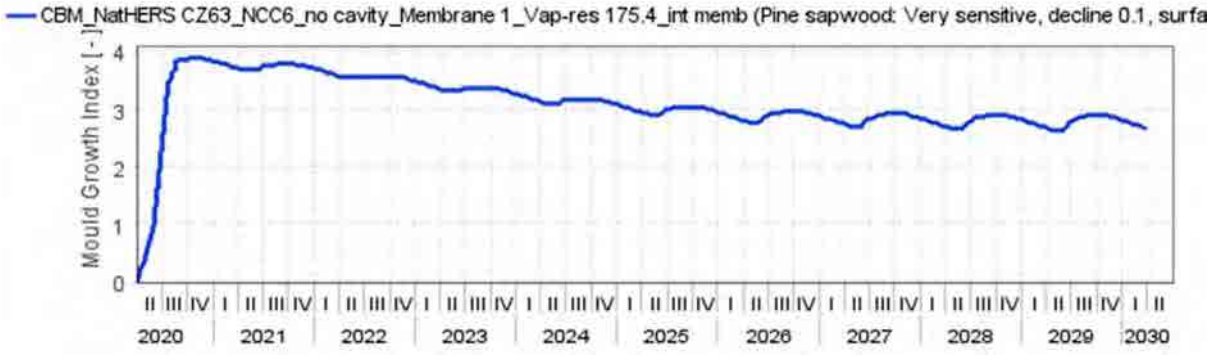

Figure 253 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

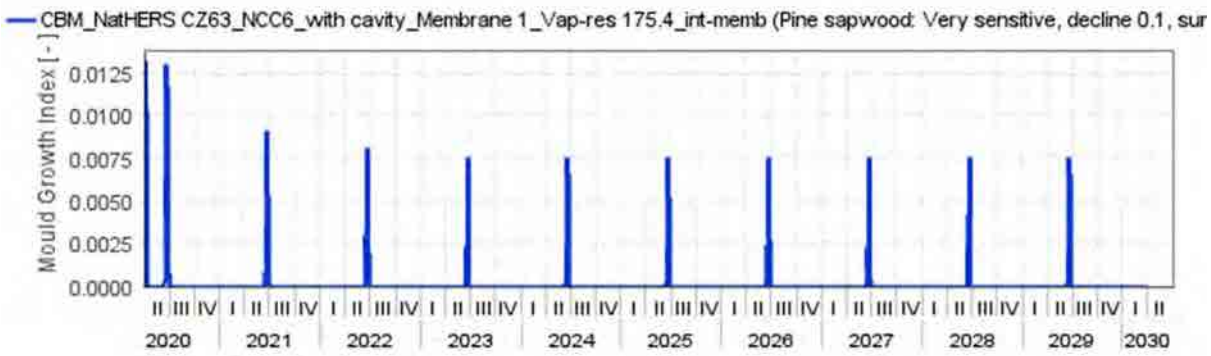

Figure 254 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

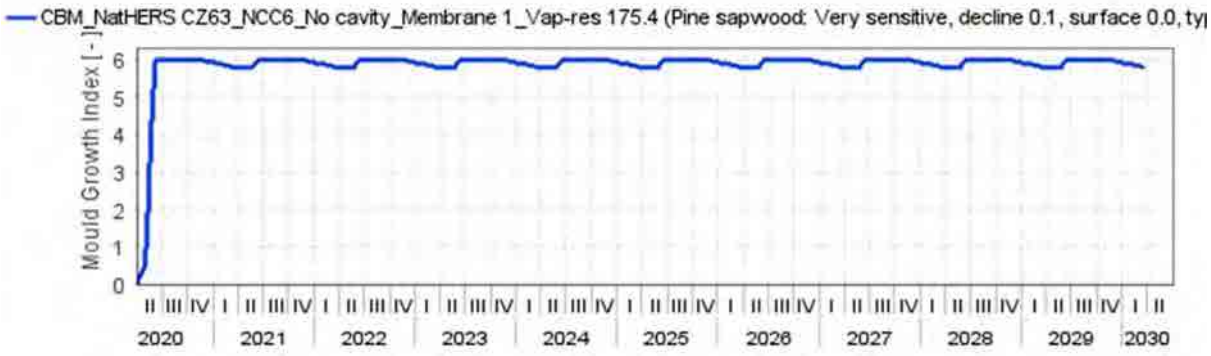

Figure 255: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

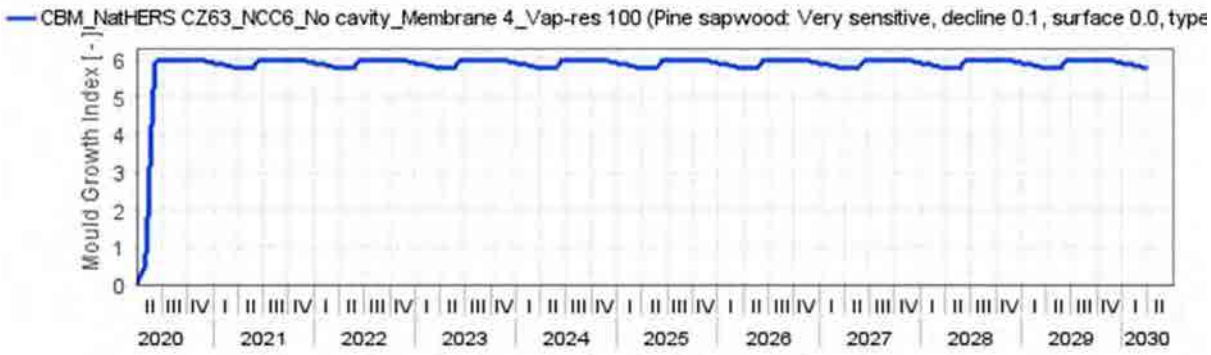

Figure 256 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

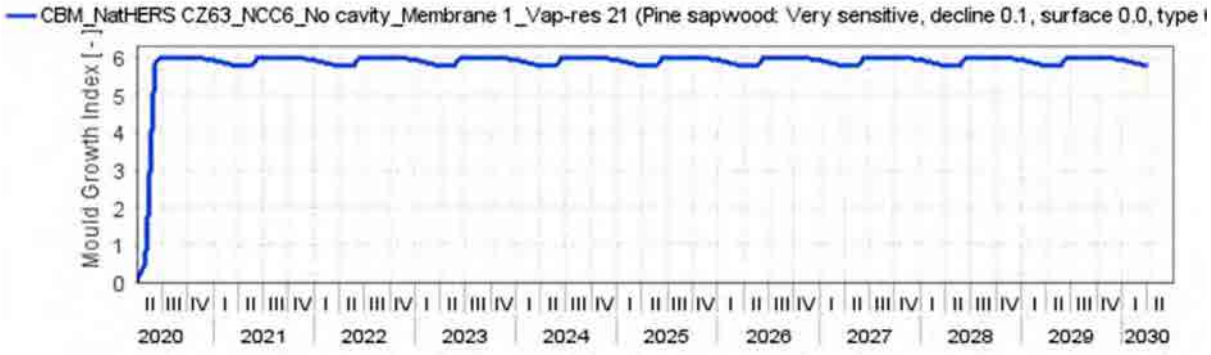

Figure 257: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

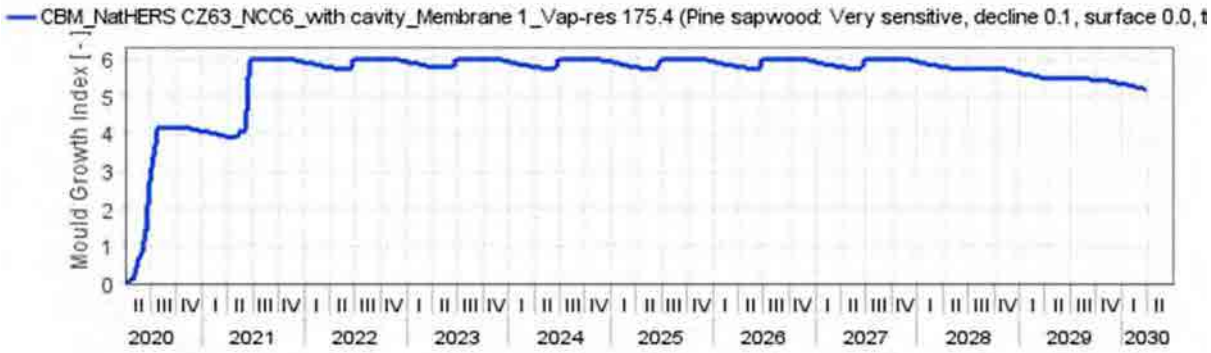

Figure 258: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

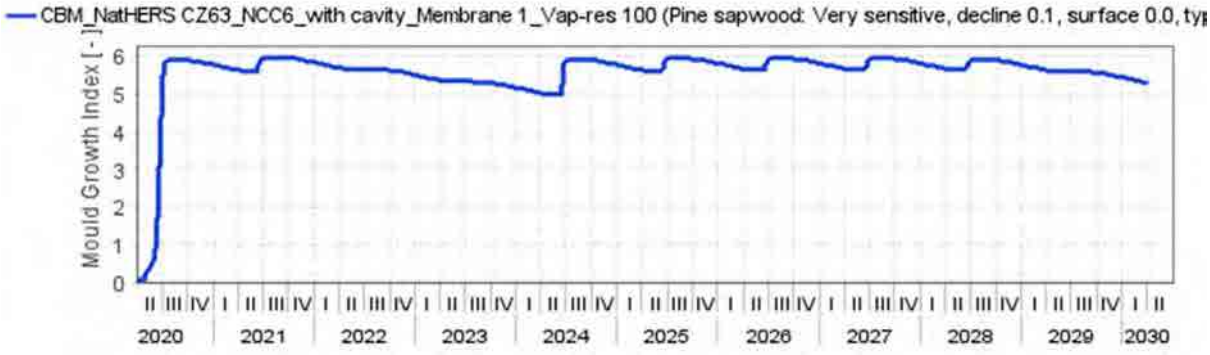

Figure 259 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

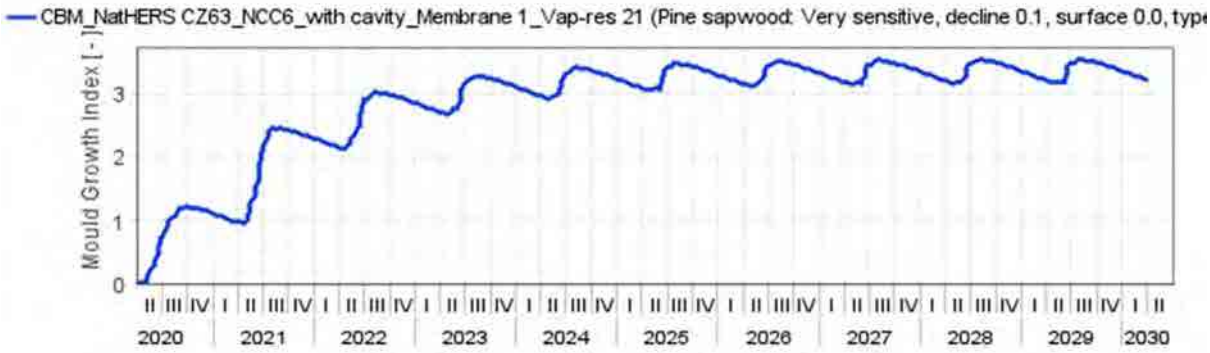

Figure 260 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

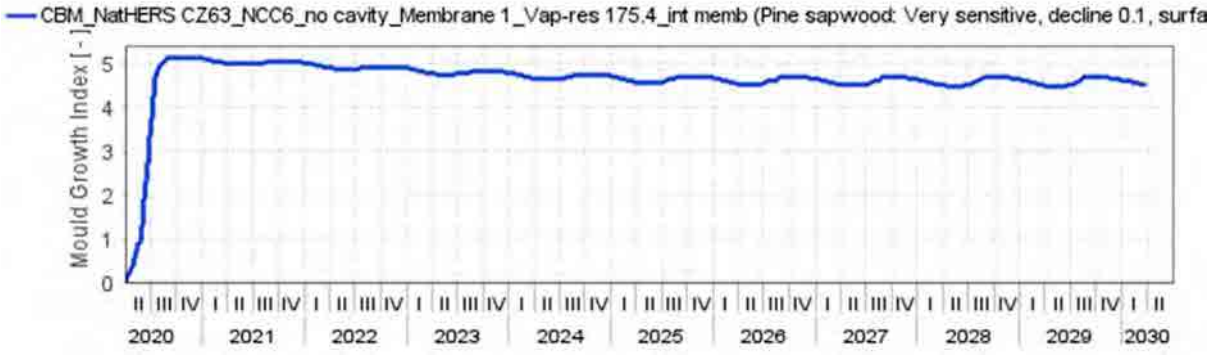

Figure 261 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

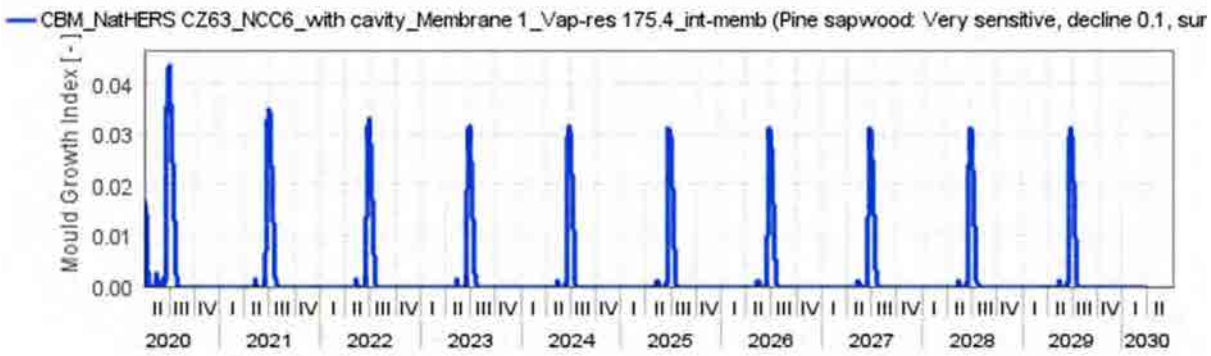

Figure 262 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

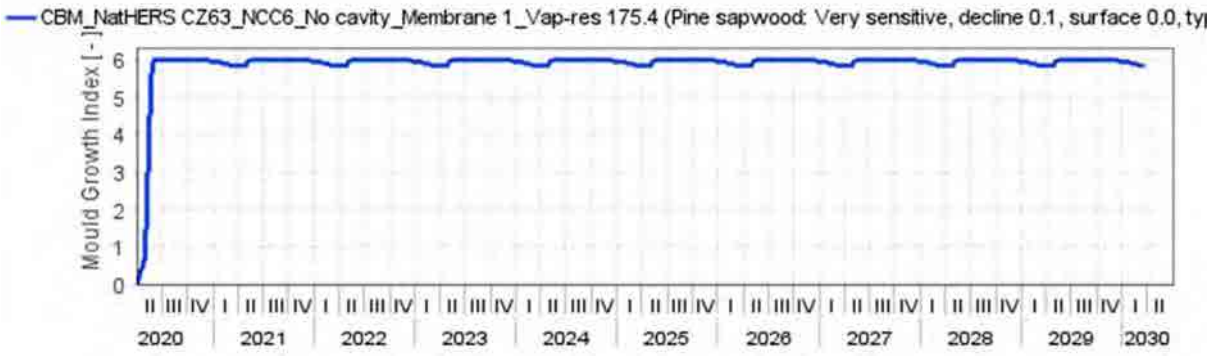

Figure 263: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

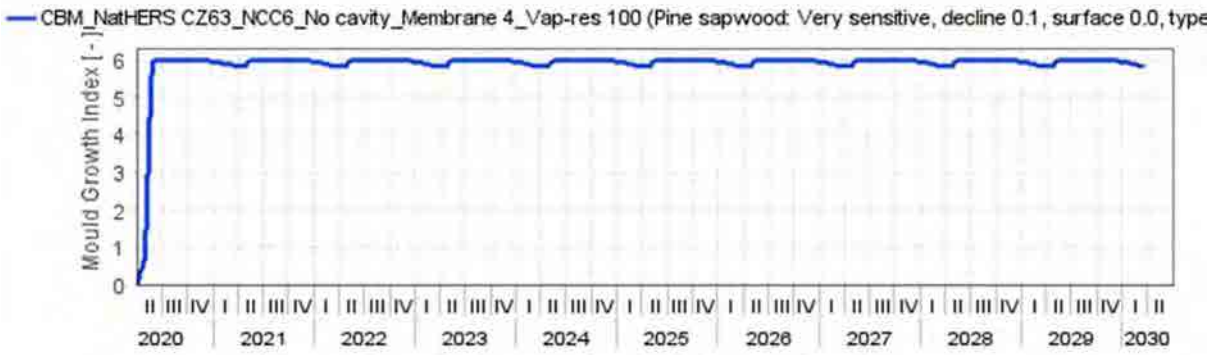

Figure 264 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

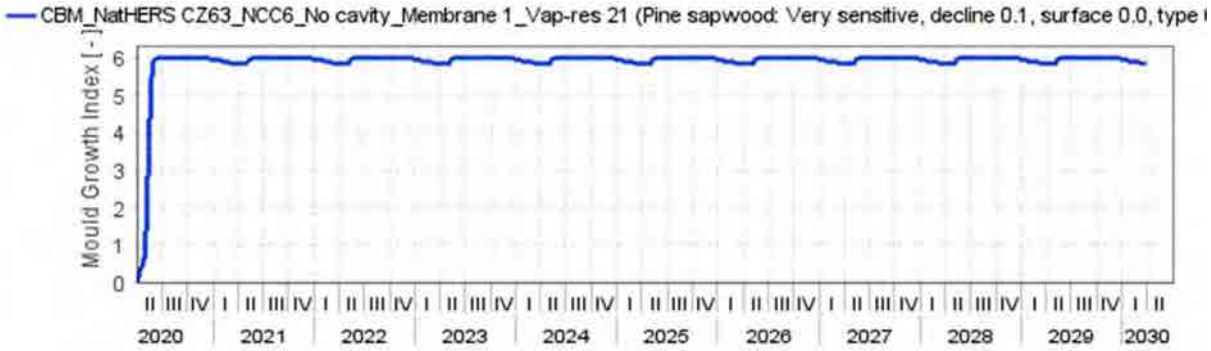

Figure 265: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

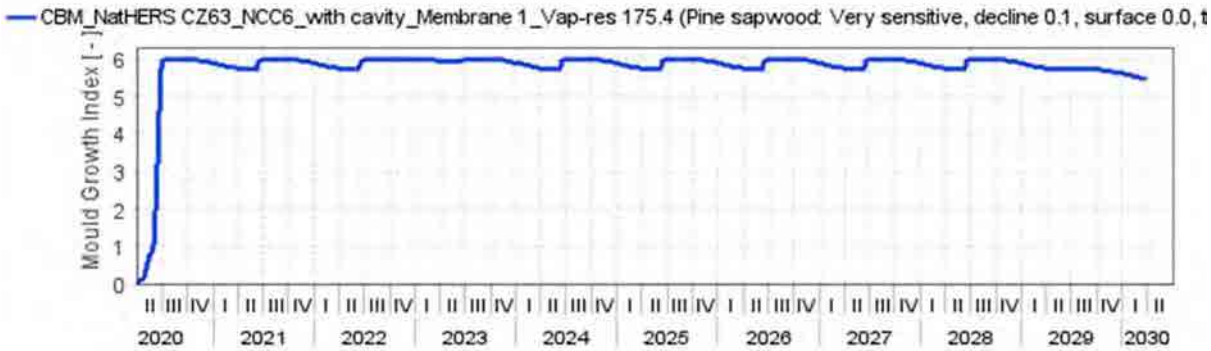

Figure 266: Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

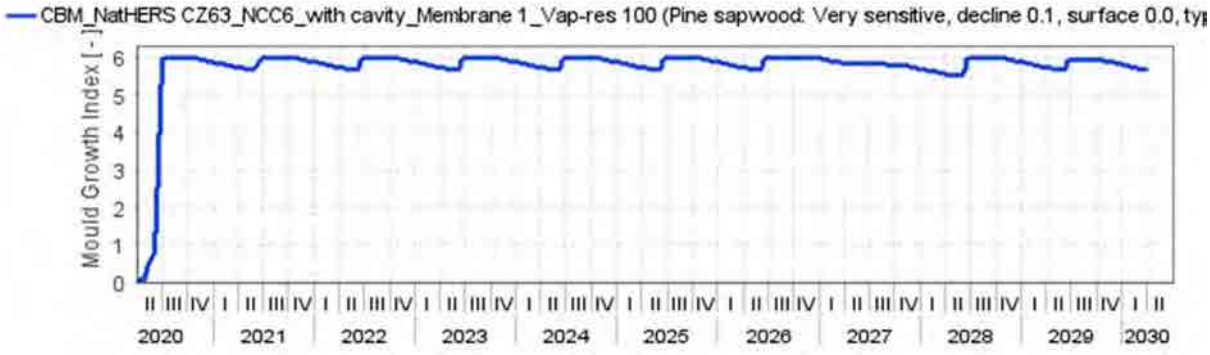

Figure 267 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

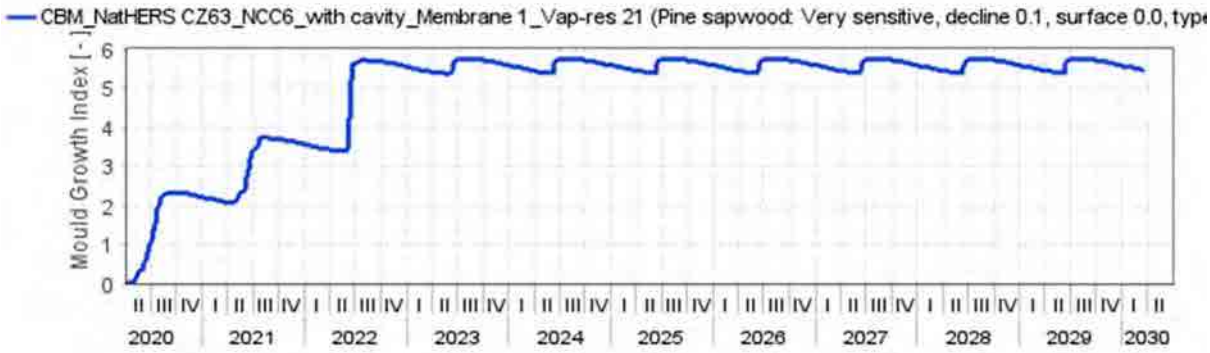

Figure 268 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

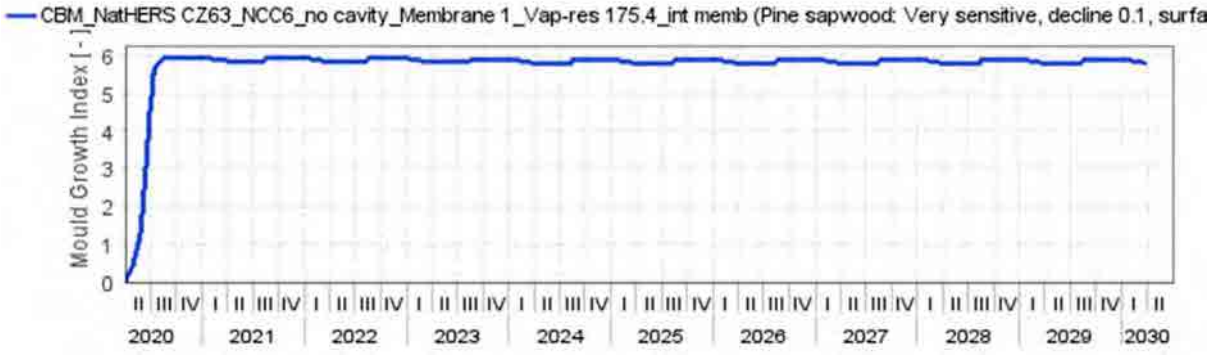

Figure 269 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

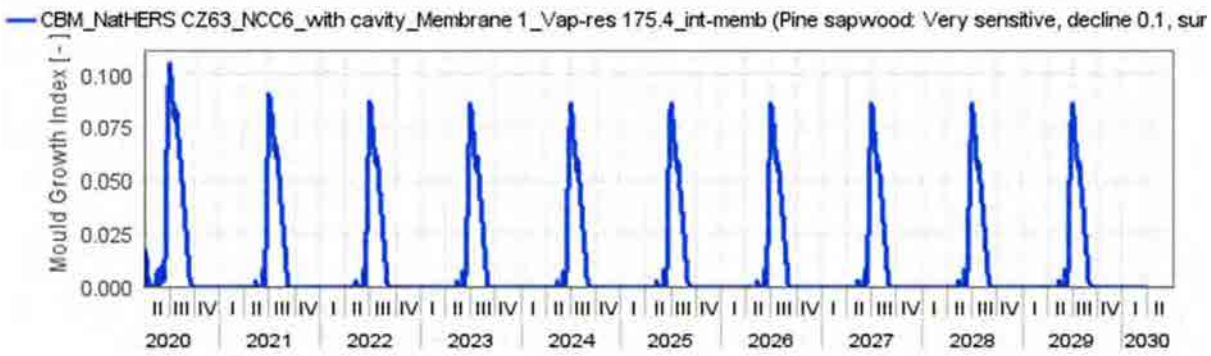

Figure 270 Concrete Block Masonry NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

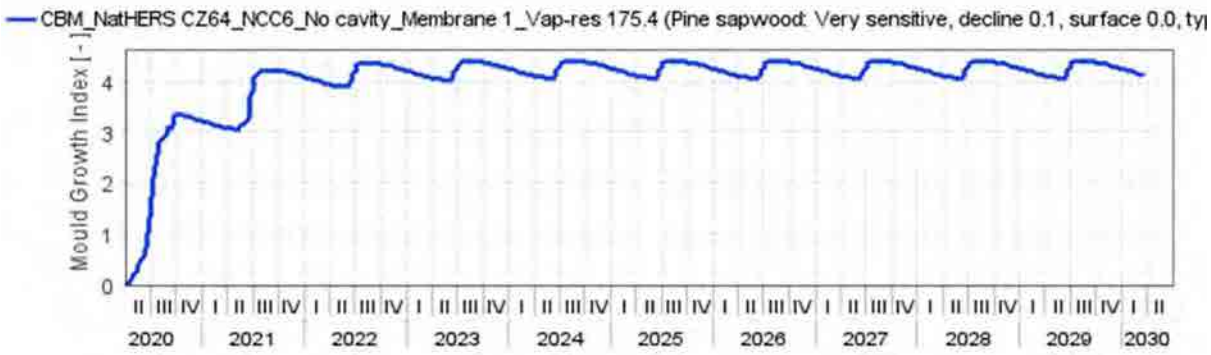

Figure 271: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 272 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

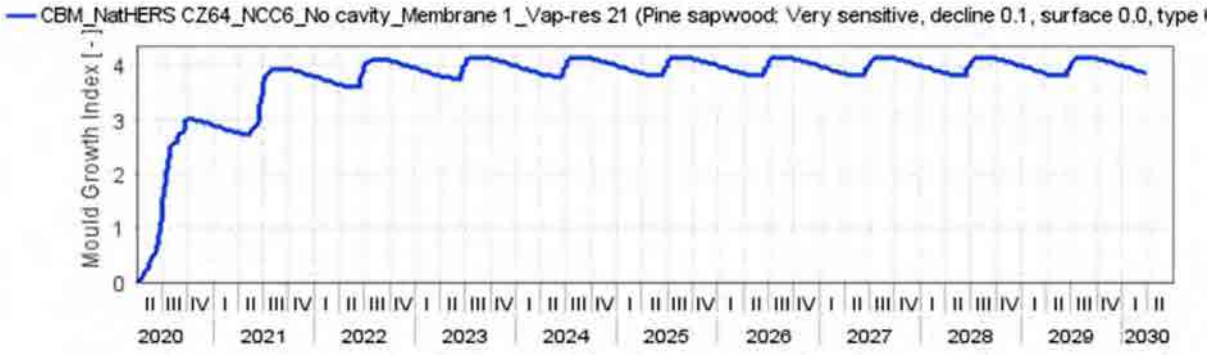

Figure 273: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

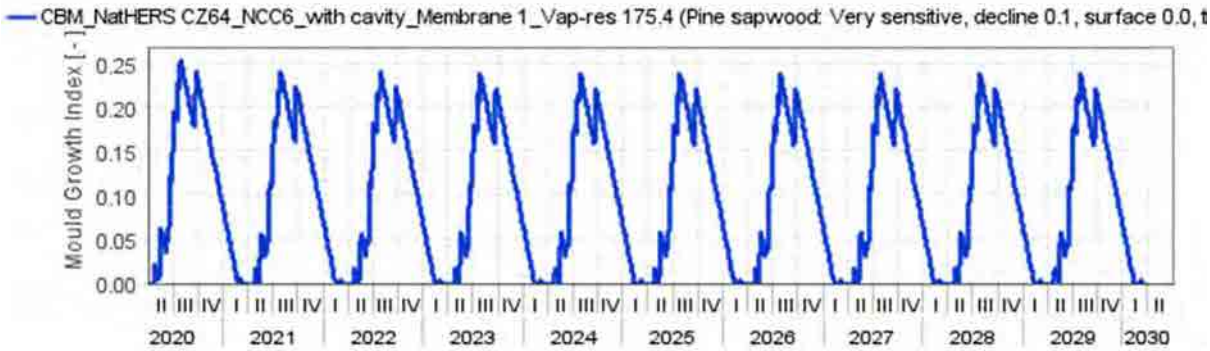

Figure 274: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

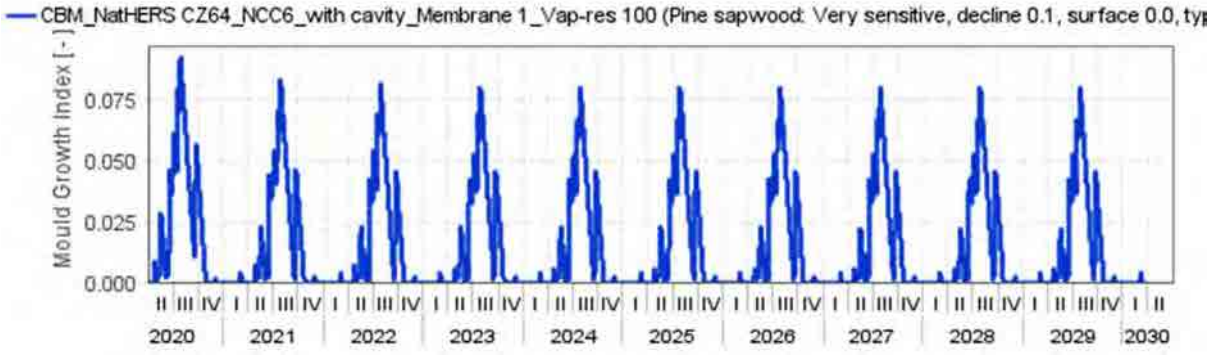

Figure 275 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

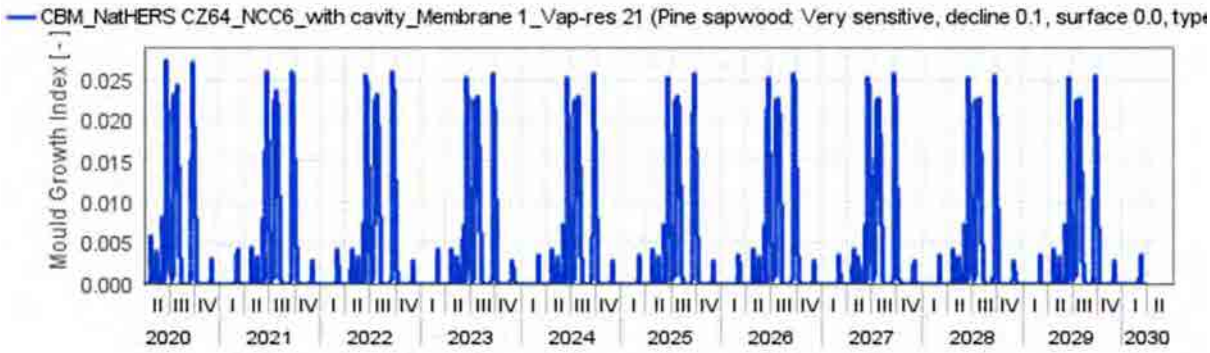

Figure 276 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

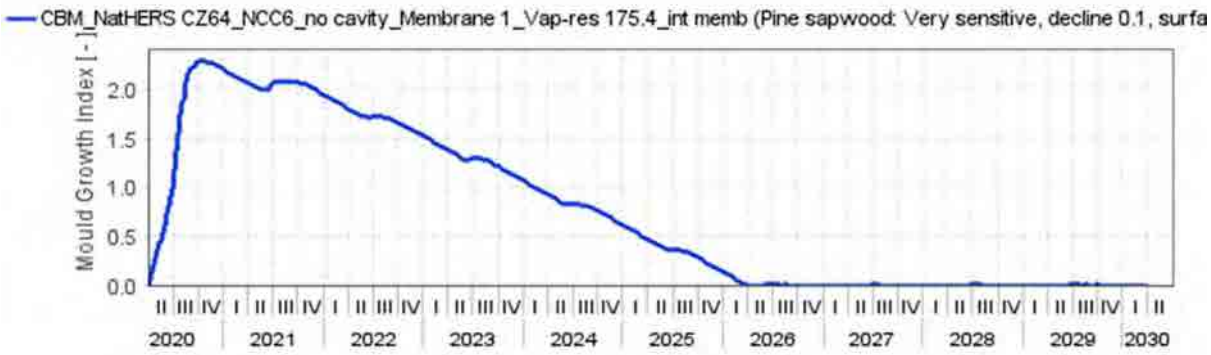

Figure 277 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

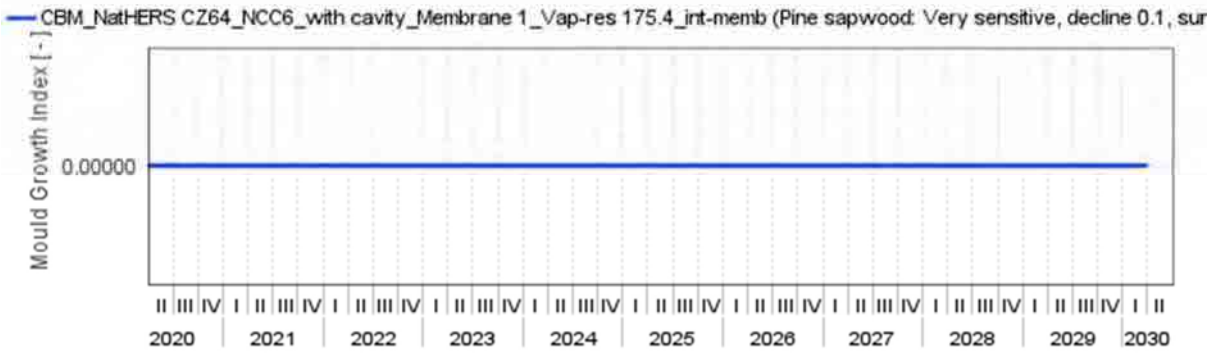

Figure 278 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 279: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

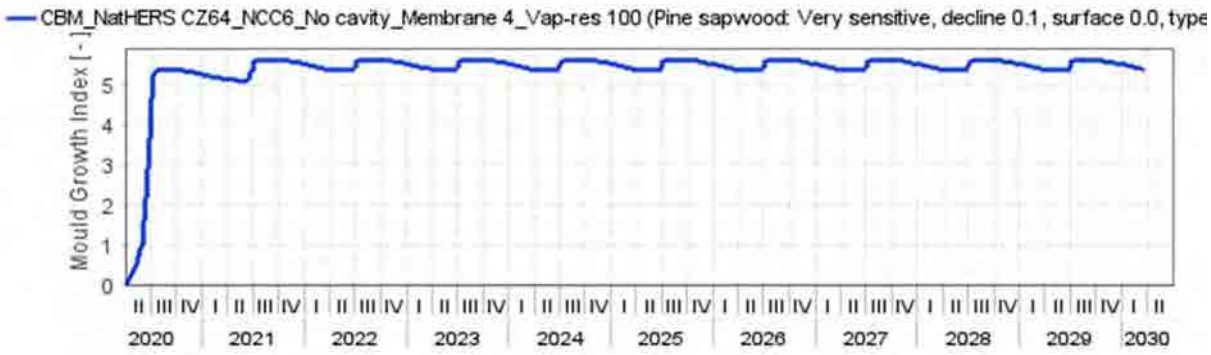

Figure 280 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

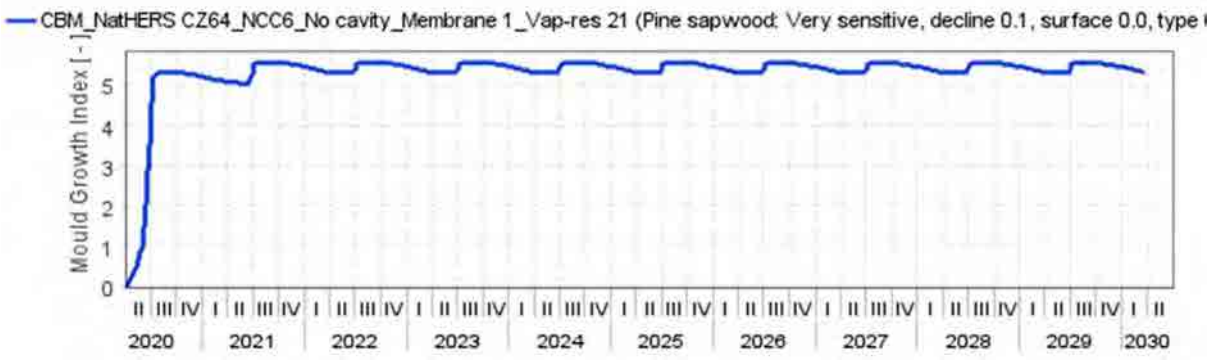

Figure 281: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

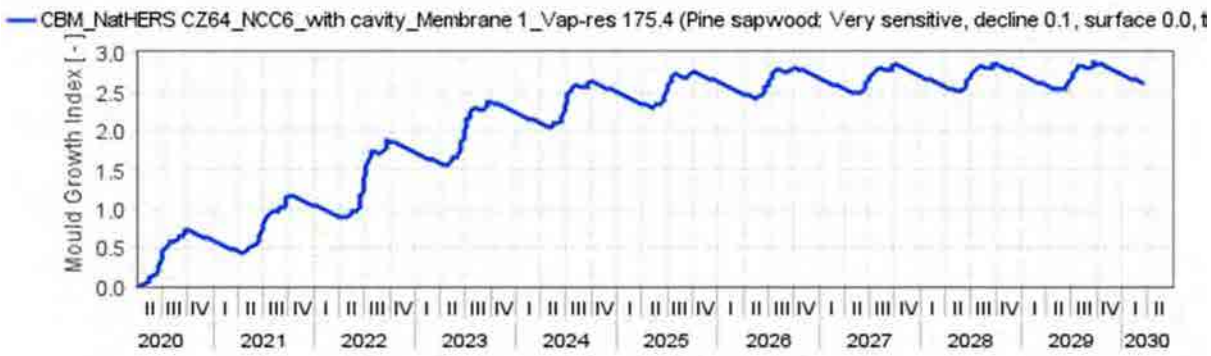

Figure 282: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

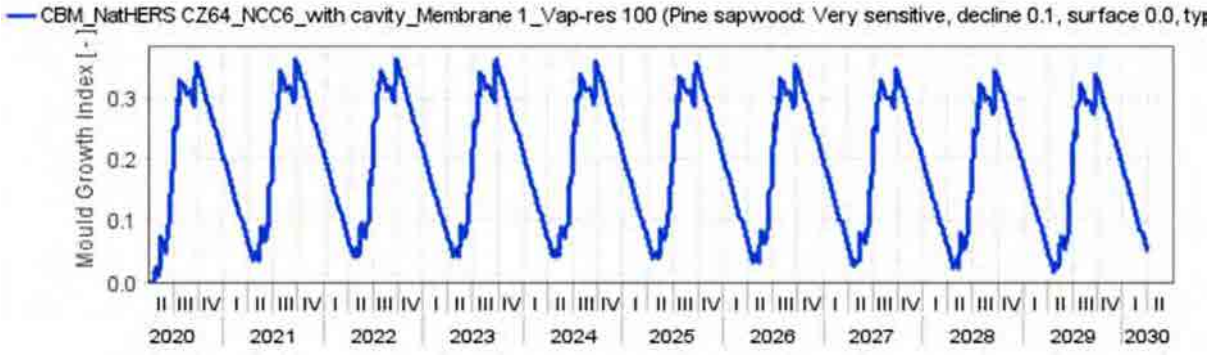

Figure 283 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

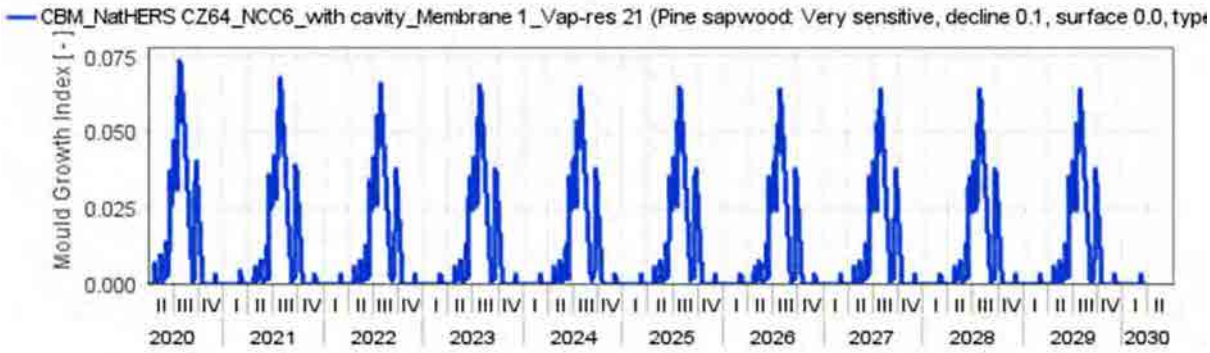

Figure 284 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

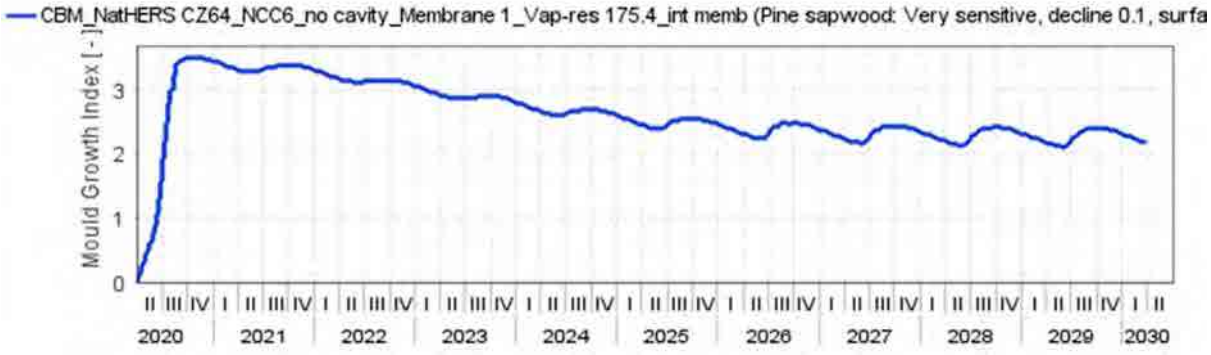

Figure 285 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

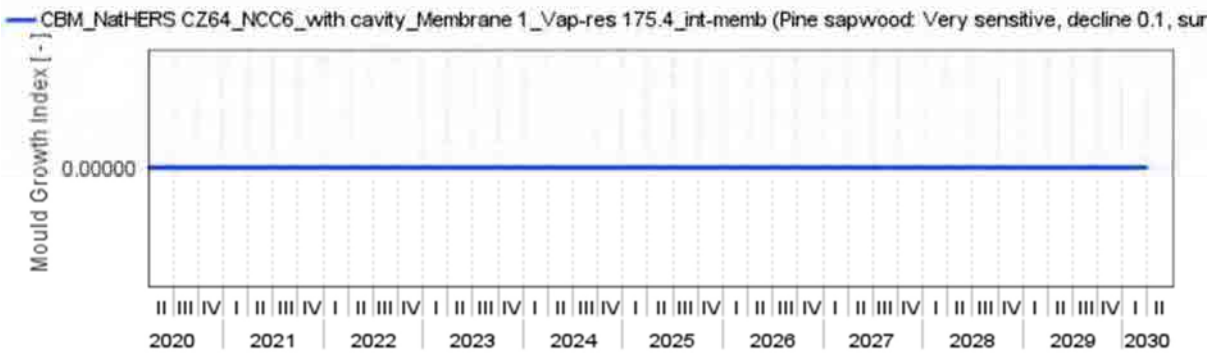

Figure 286 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

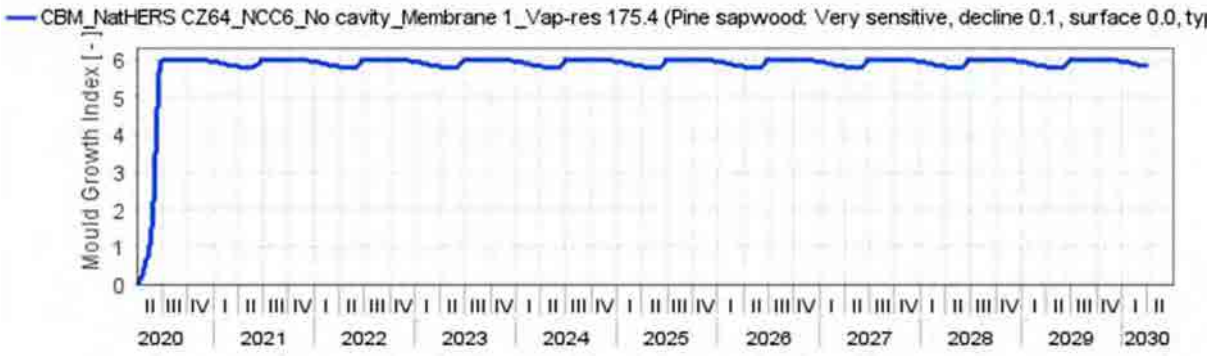

Figure 287: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

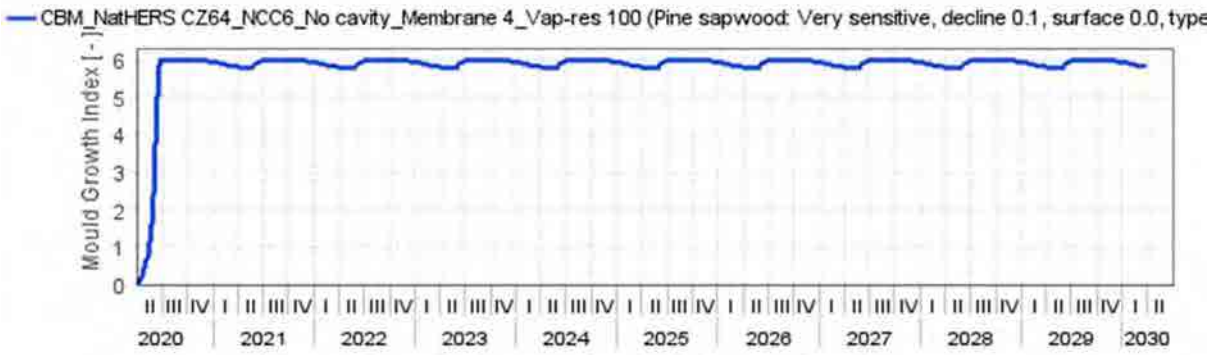

Figure 288 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

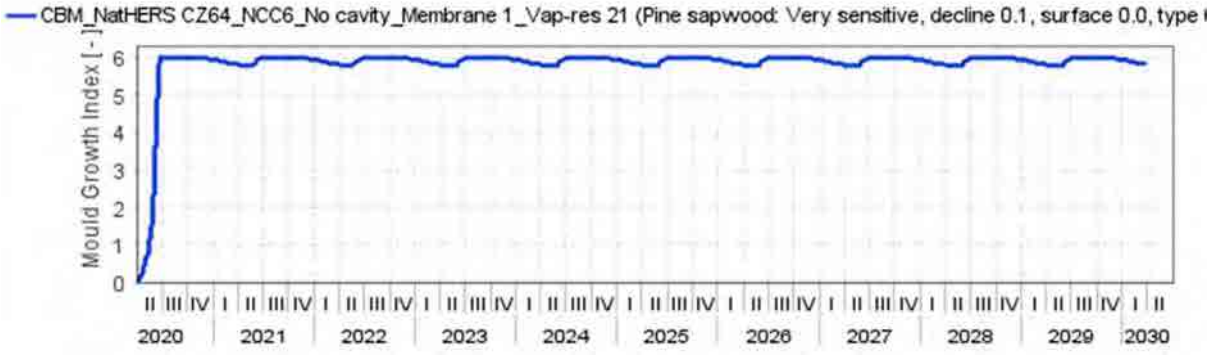

Figure 289: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 290: Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 291 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

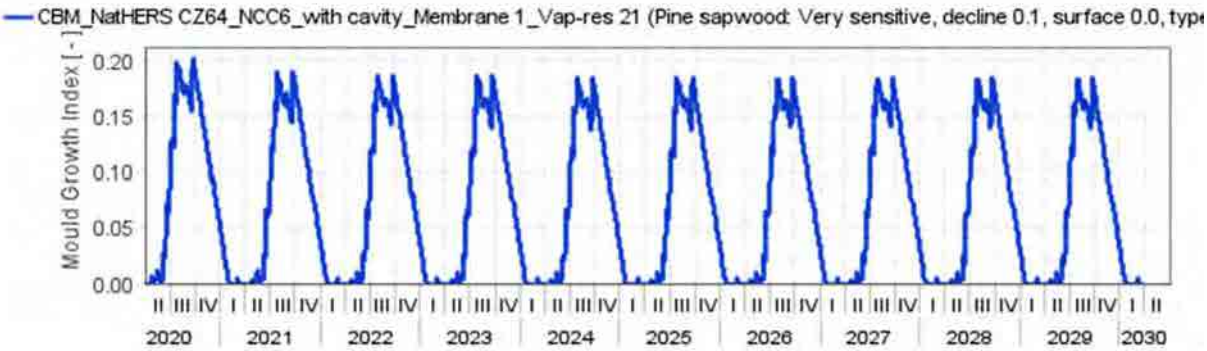

Figure 292 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

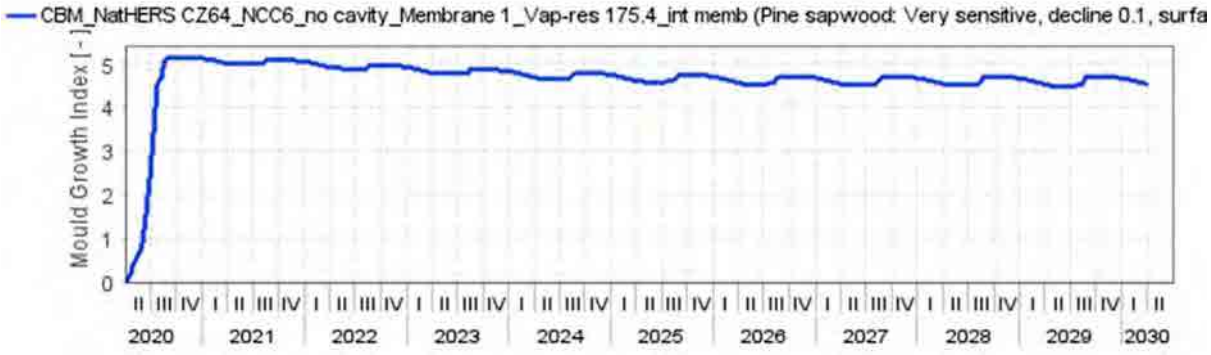

Figure 293 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

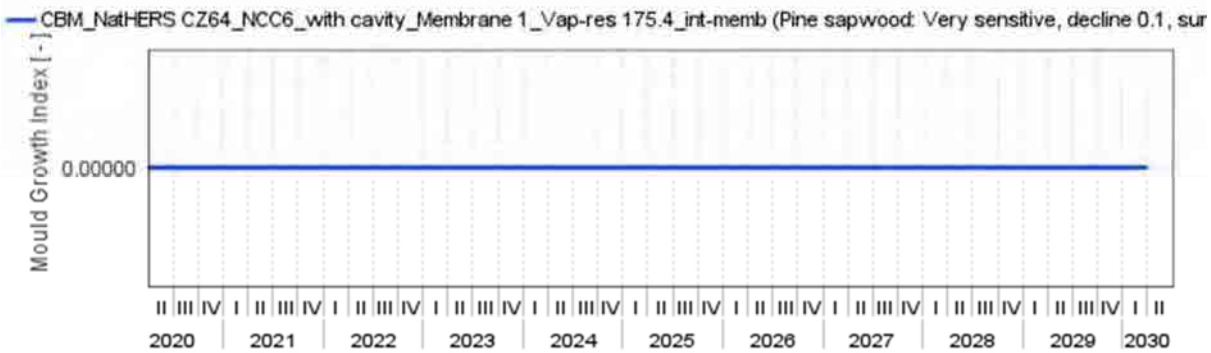

Figure 294 Concrete Block Masonry NatHERS CZ 64 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 7 Star Concrete Block Masonry with insulated frame

ACR 10 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

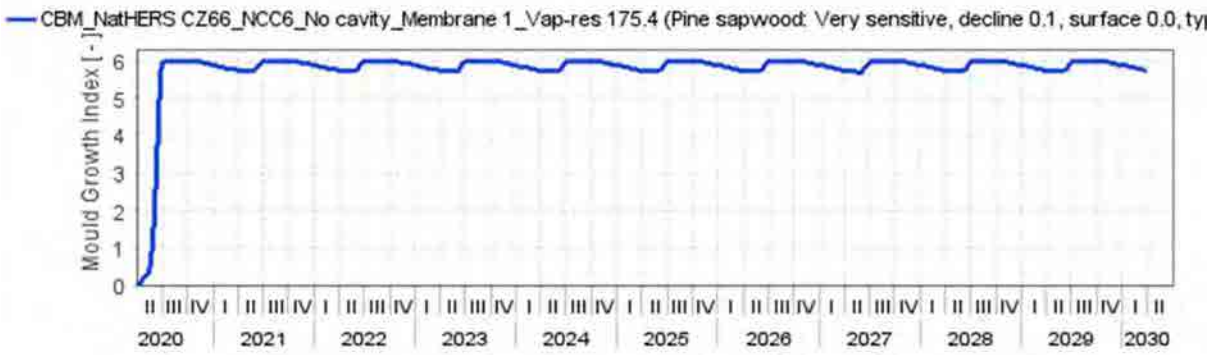

Figure 295: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

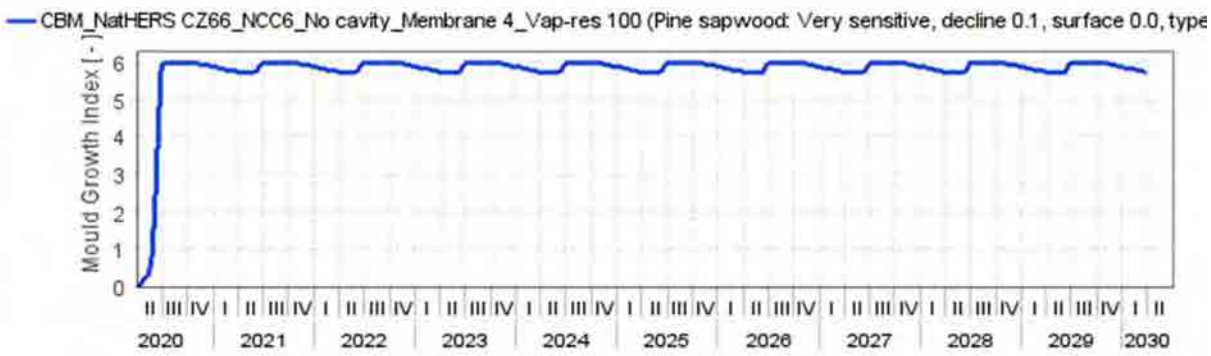

Figure 296 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

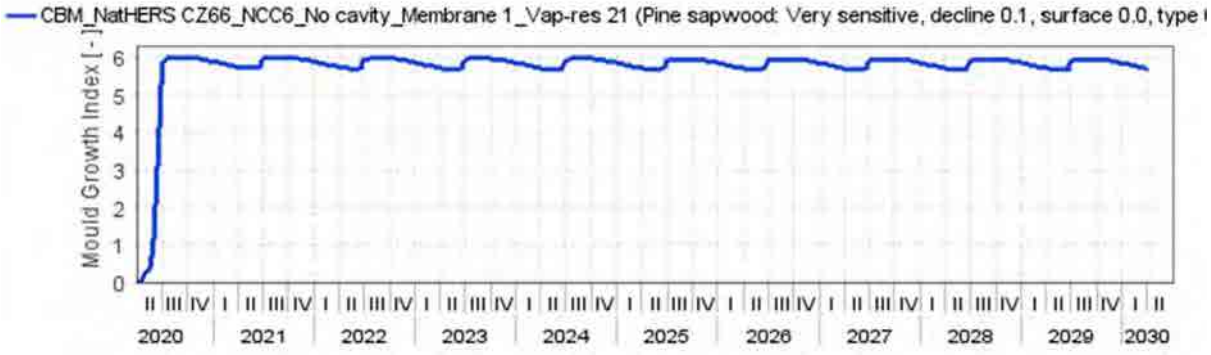

Figure 297: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 298: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

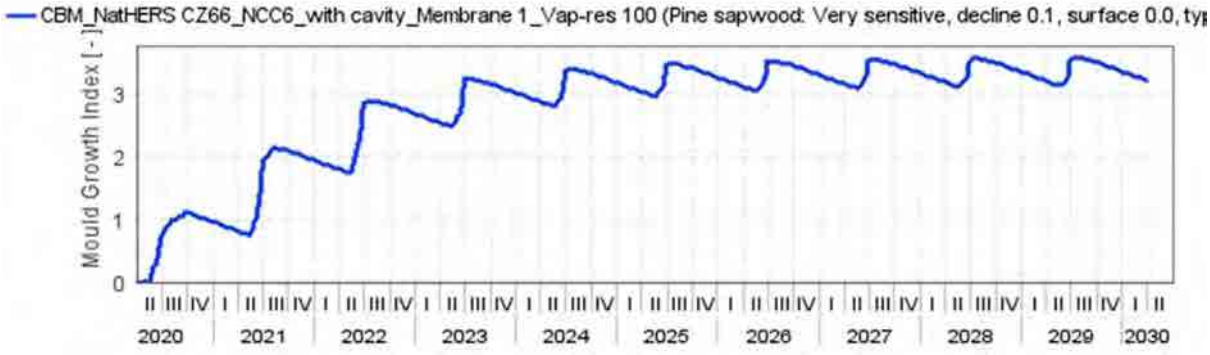

Figure 299 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

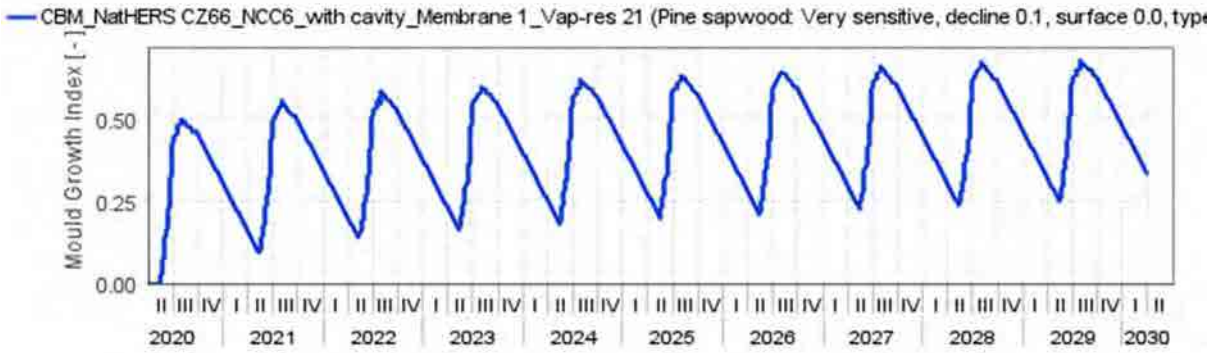

Figure 300 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

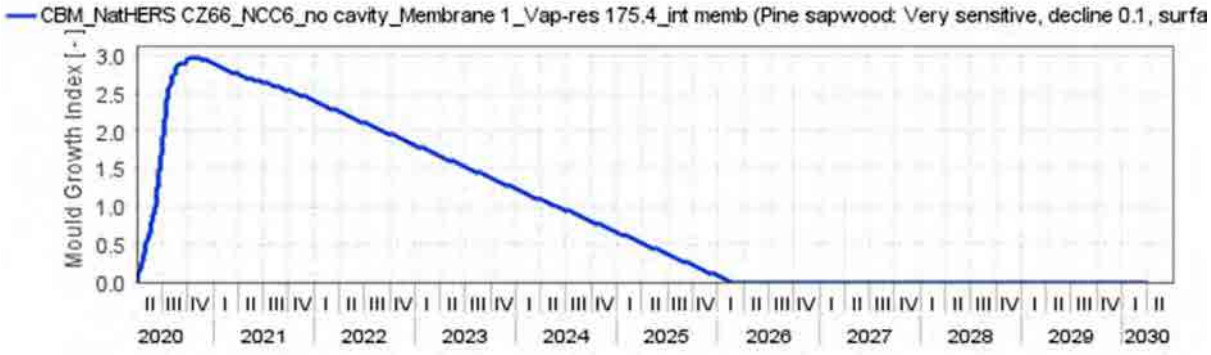

Figure 301 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

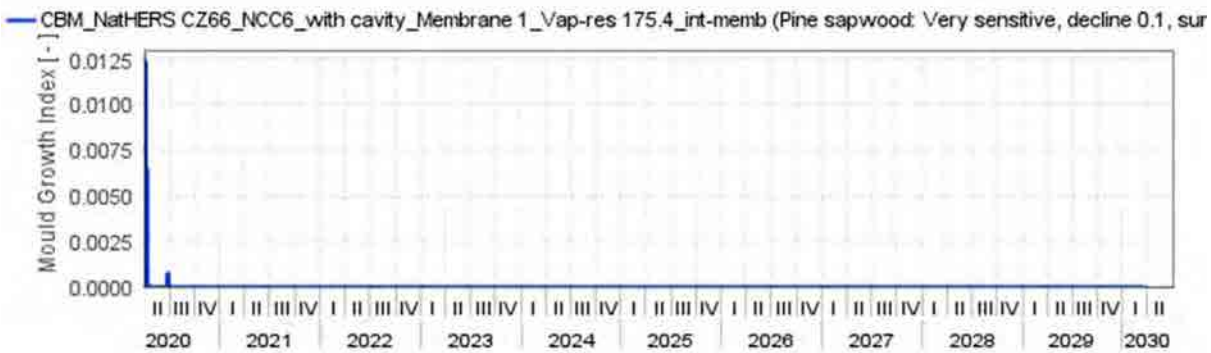

Figure 302 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

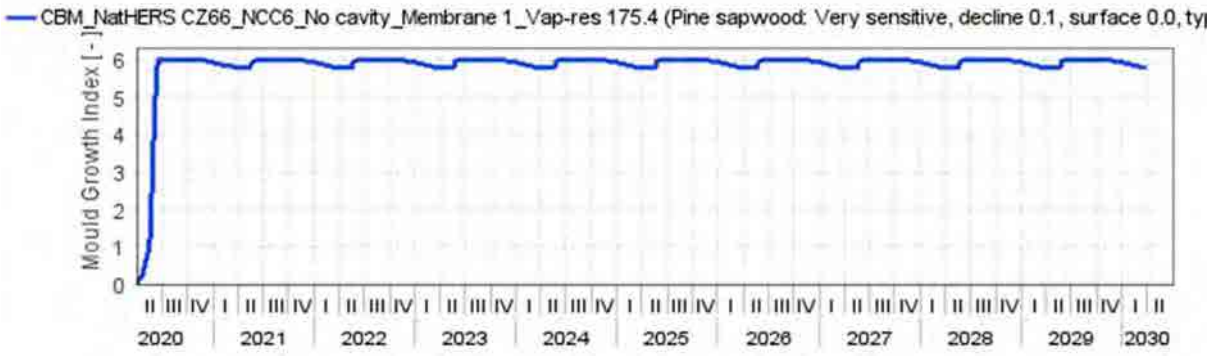

Figure 303: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

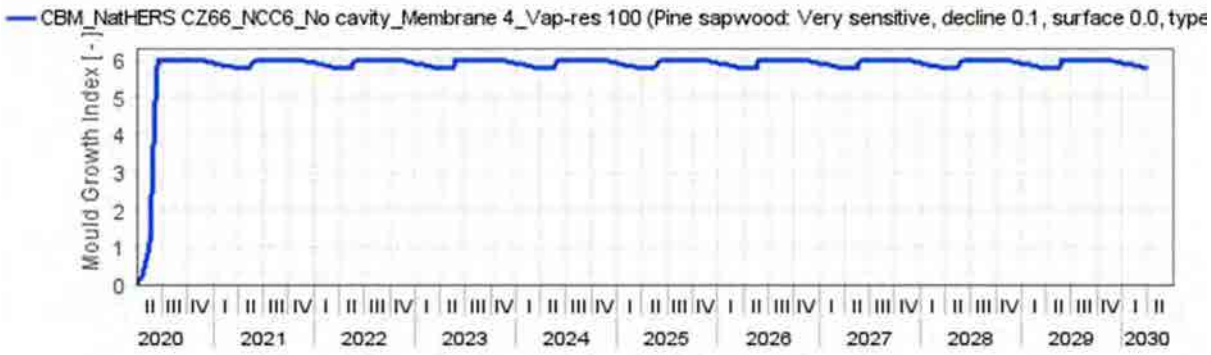

Figure 304 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

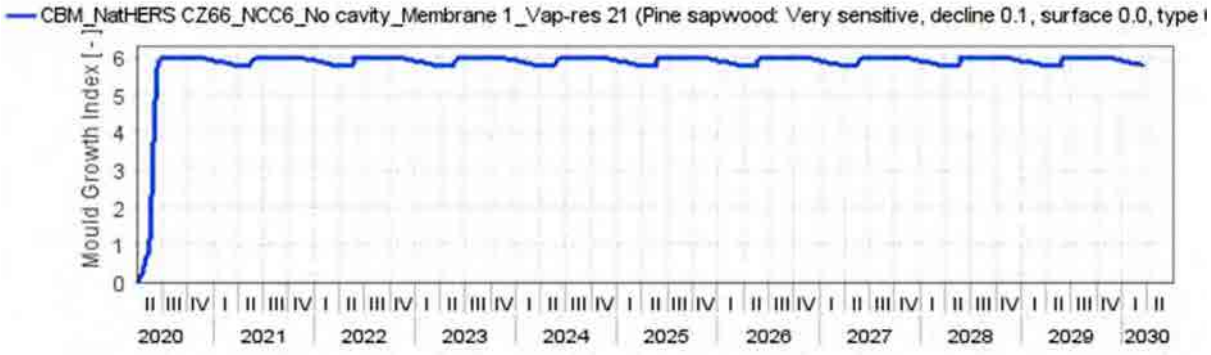

Figure 305: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 306: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

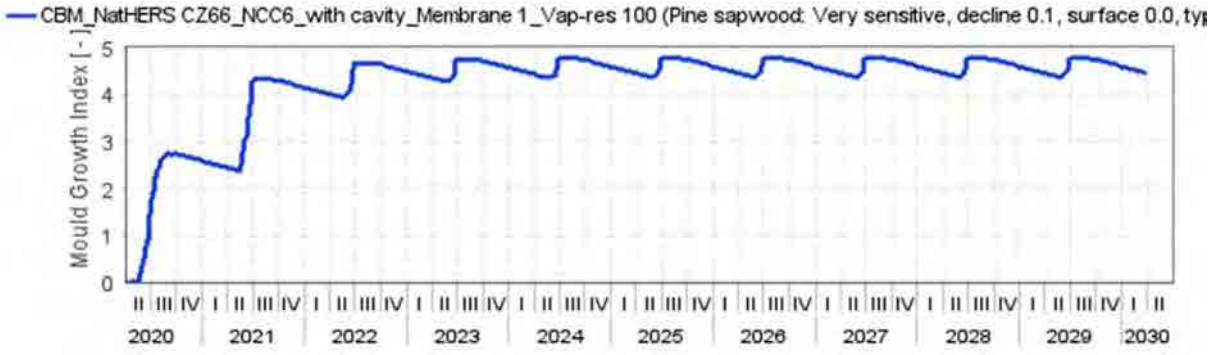

Figure 307 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

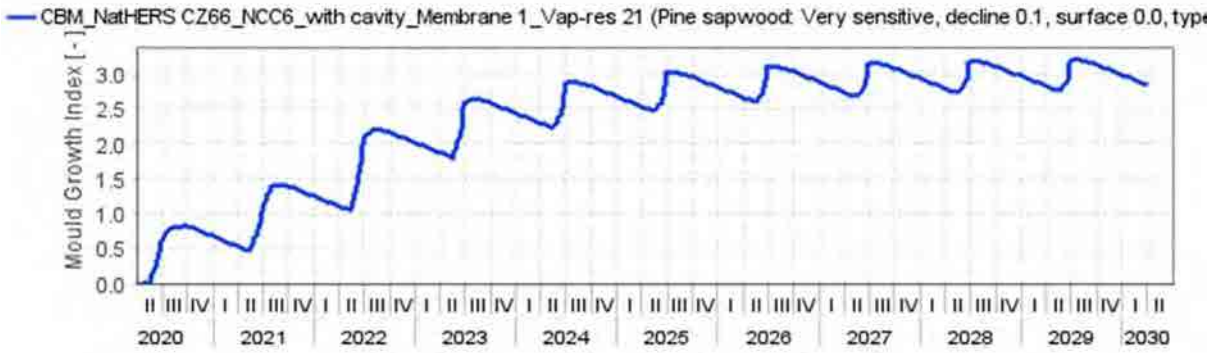

Figure 308 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

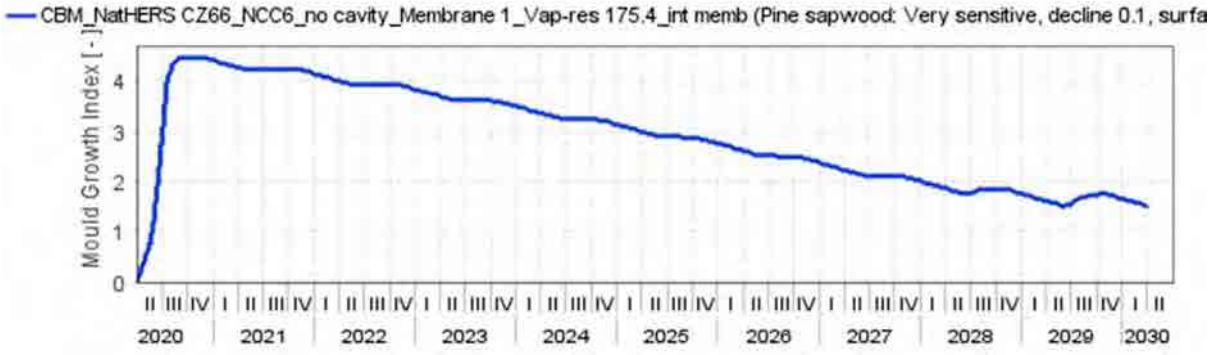

Figure 309 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

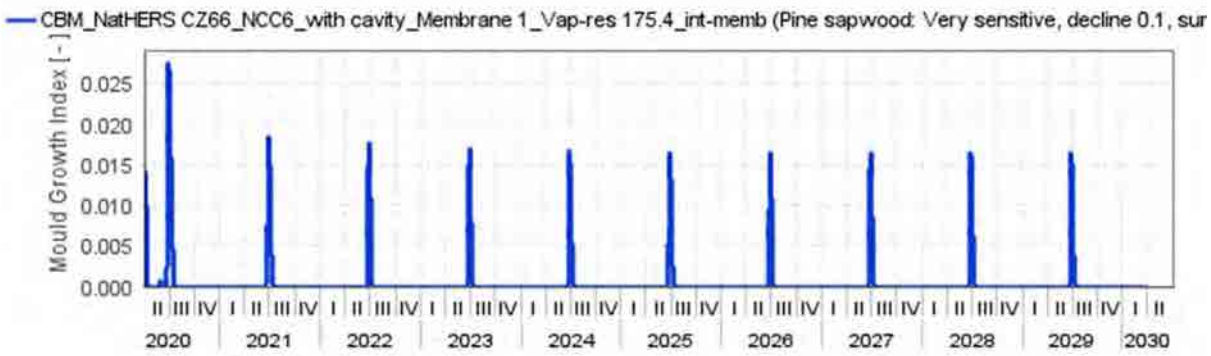

Figure 310 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 – Concrete Block Masonry - South Only

1. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

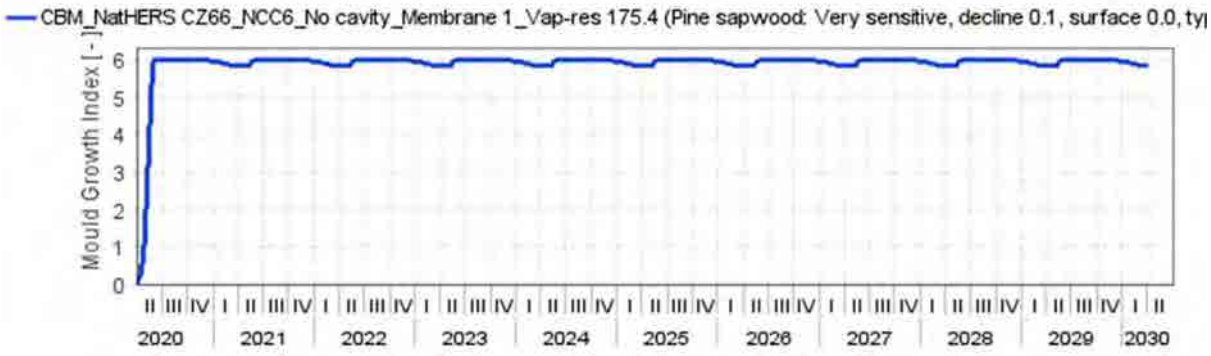

Figure 311: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 100

   Moisture Accumulation – Nil
   Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

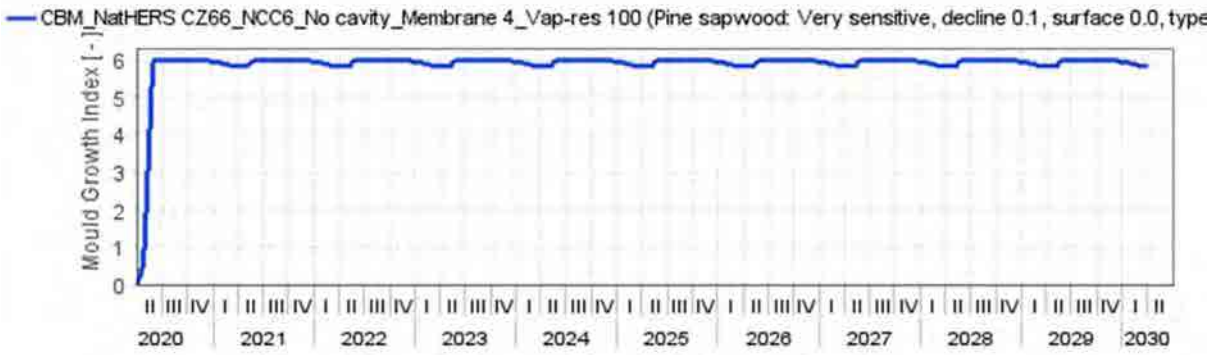

Figure 312 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

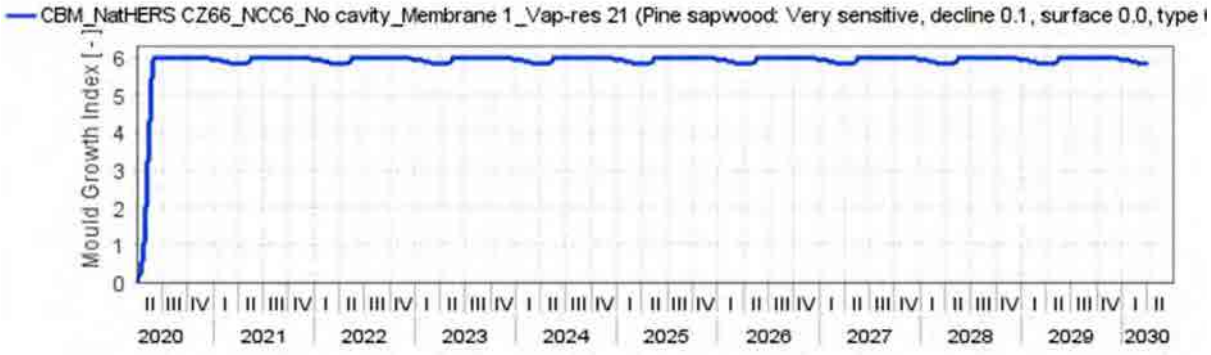

Figure 313: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

4. With Cavity – Exterior Membrane 1 Class 4 – 175.4

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

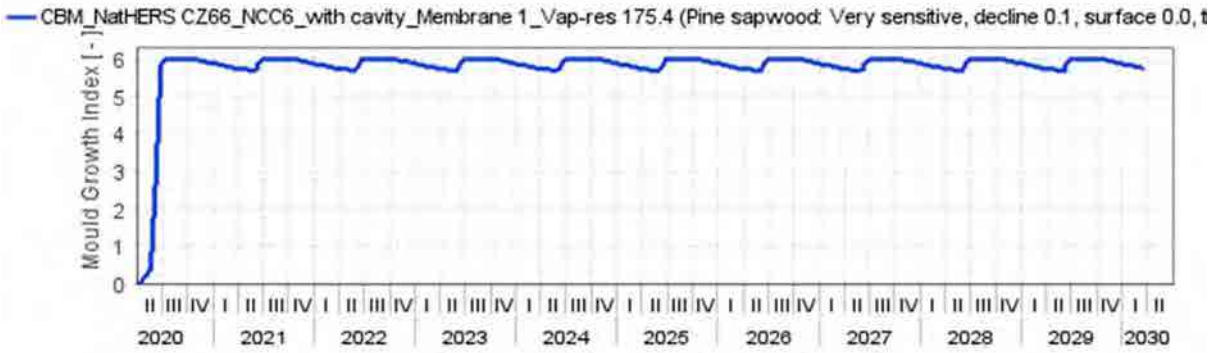

Figure 314: Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

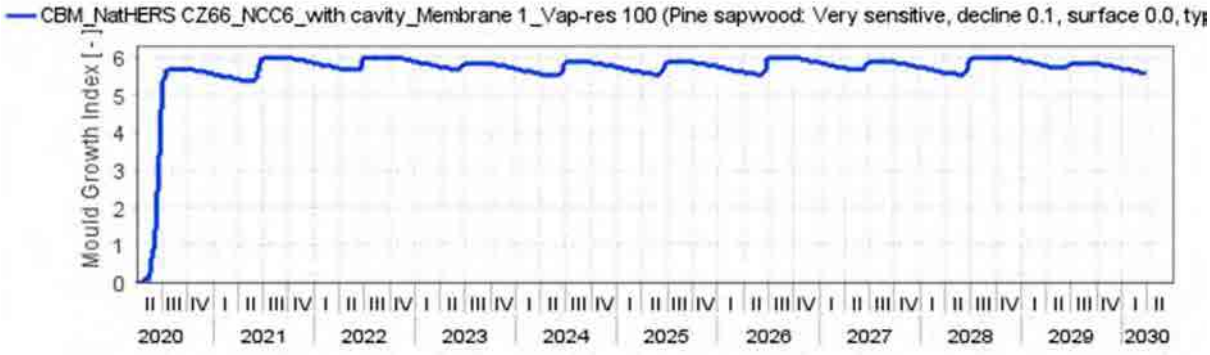

Figure 315 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

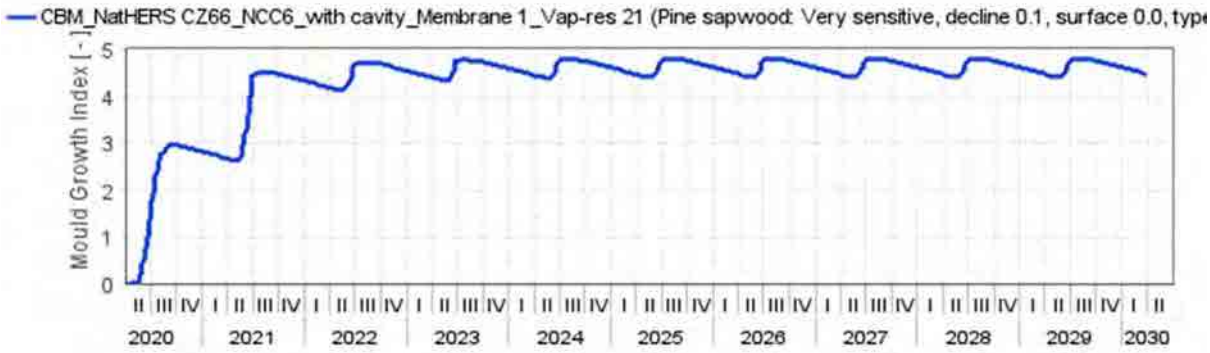

Figure 316 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

7. No cavity – External Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

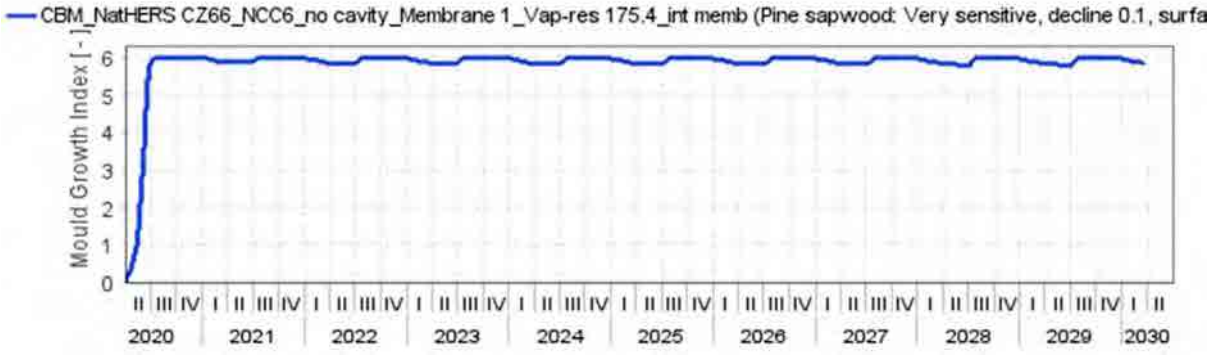

Figure 317 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

8. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould growth – The Mould Growth Index within this wall system does not exceed 1.0.

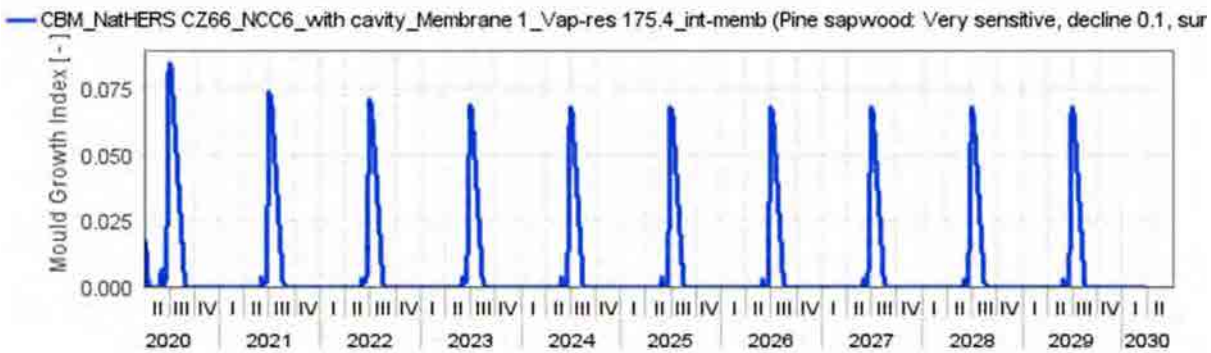

Figure 318 Concrete Block Masonry NatHERS CZ 66 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 5: Hygrothermal simulation results – 6 Star and 7 Star Externally Insulated Clay Masonry (Wall 5)

Revision 01 (17/12/2023)

NCC CZ4

NatHERS CZ 27, NCC CZ4: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

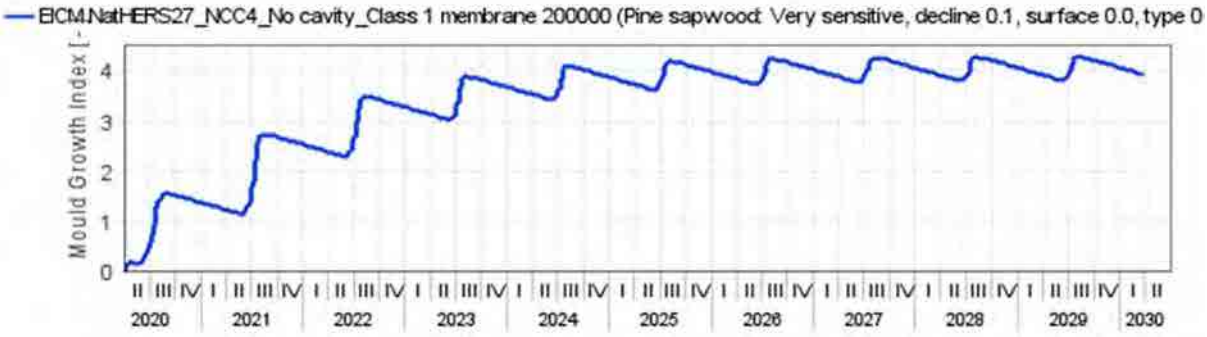

Figure 1: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

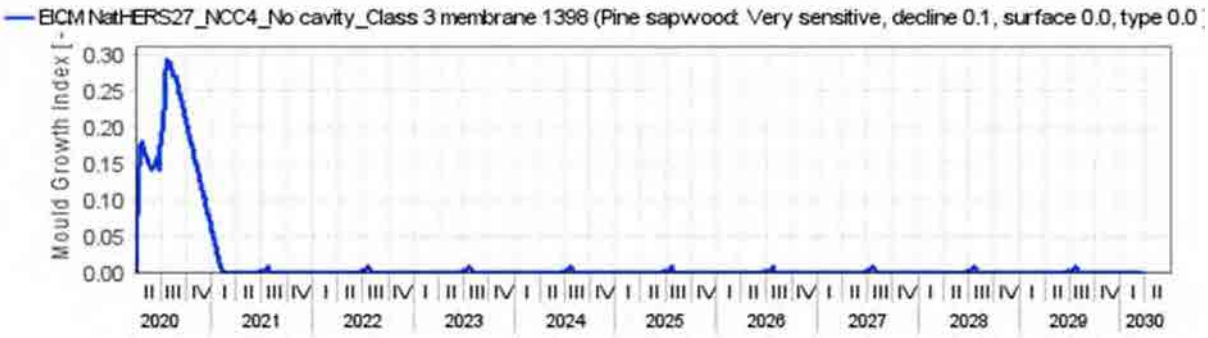

Figure 2: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

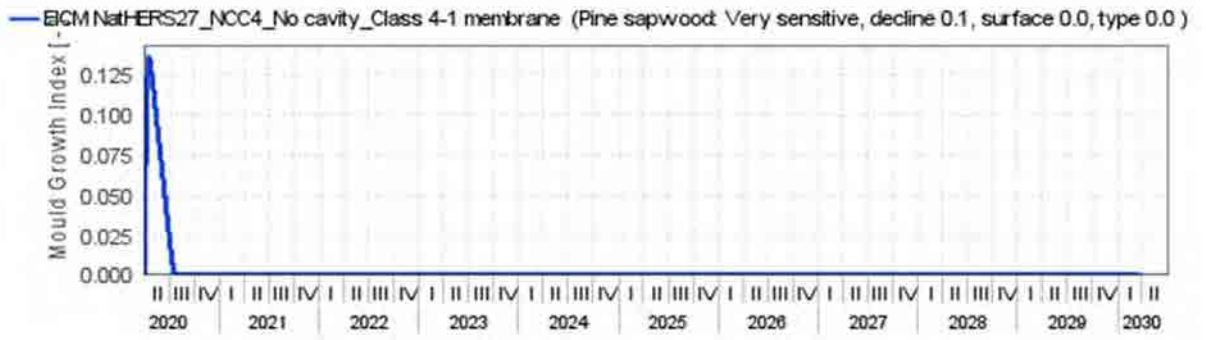

Figure 3: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

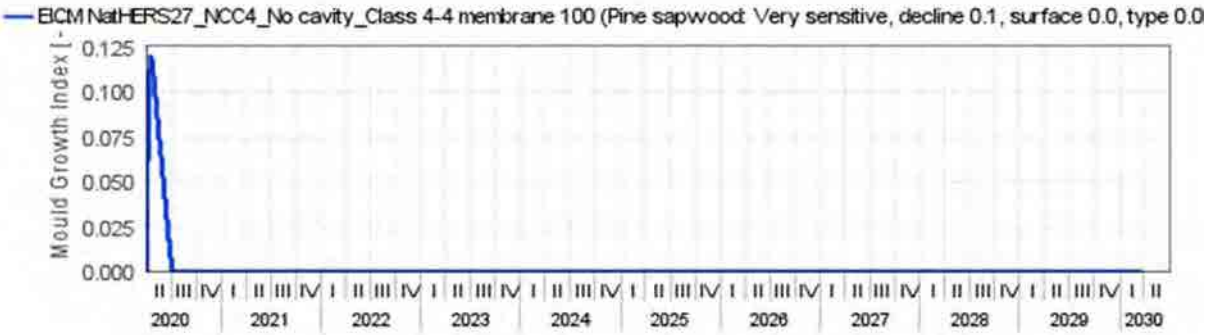

Figure 4 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

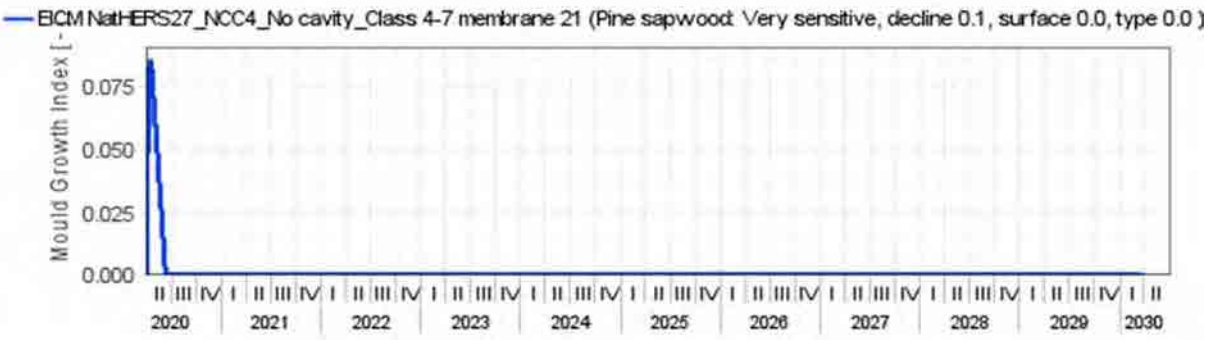

Figure 5: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

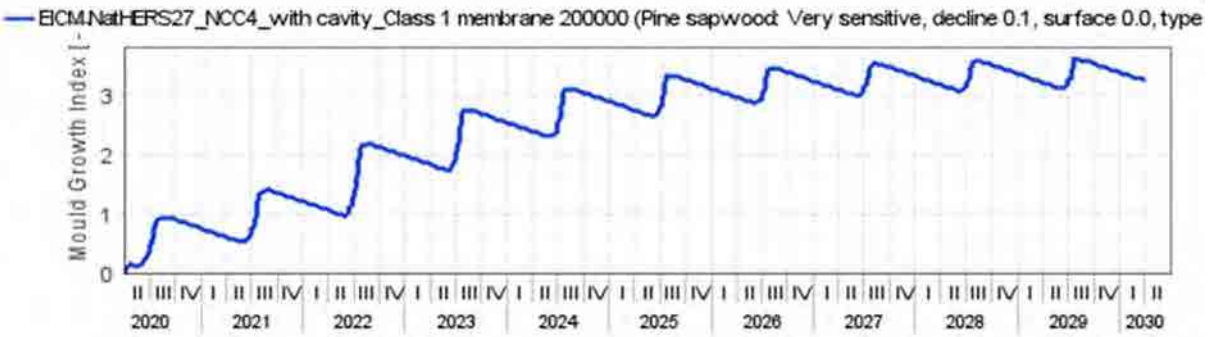

Figure 6: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

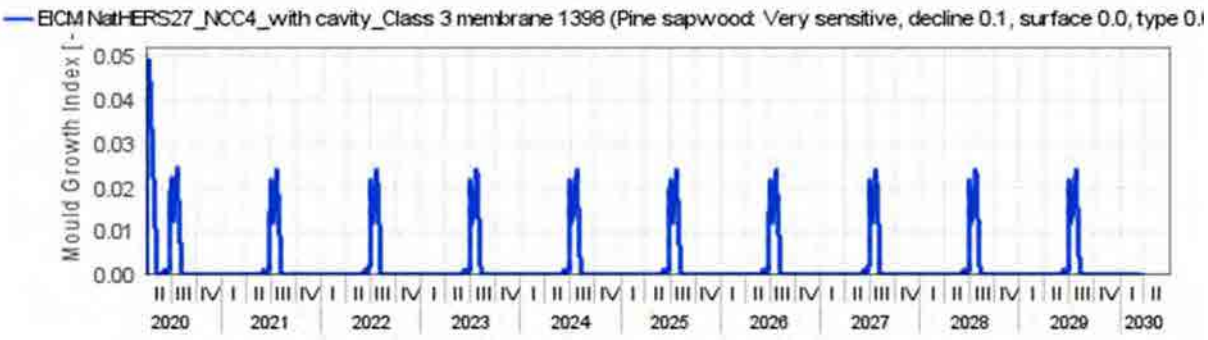

Figure 7: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

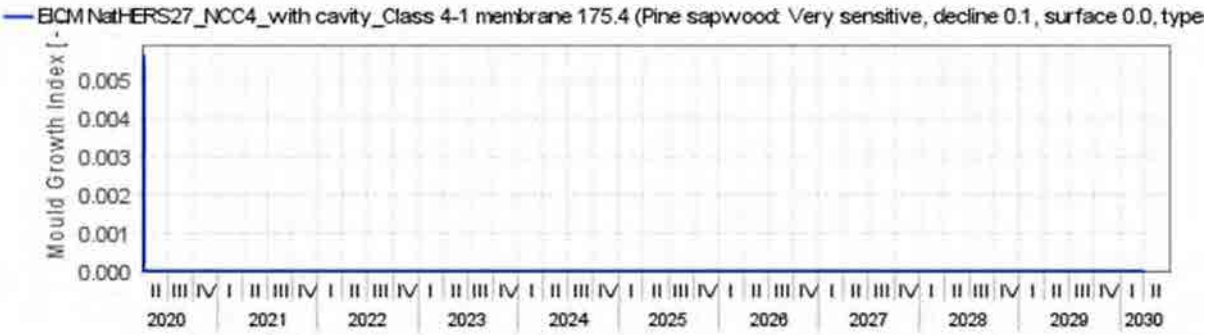

Figure 8: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

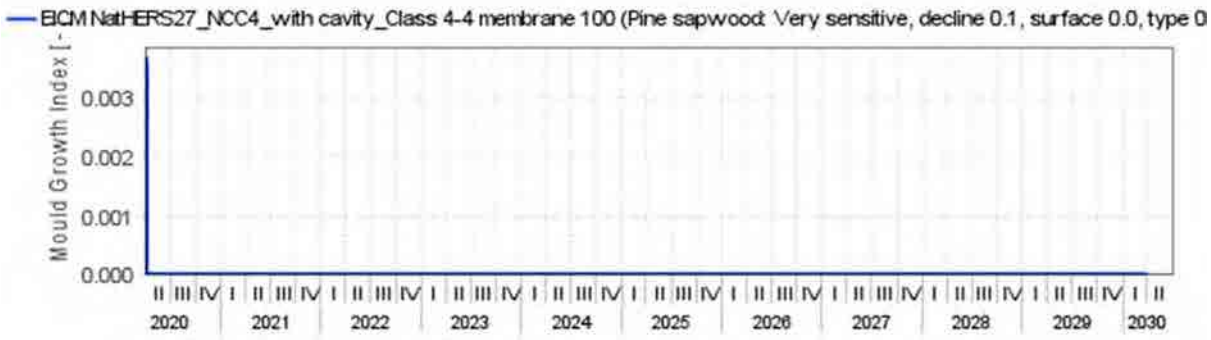

Figure 9 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

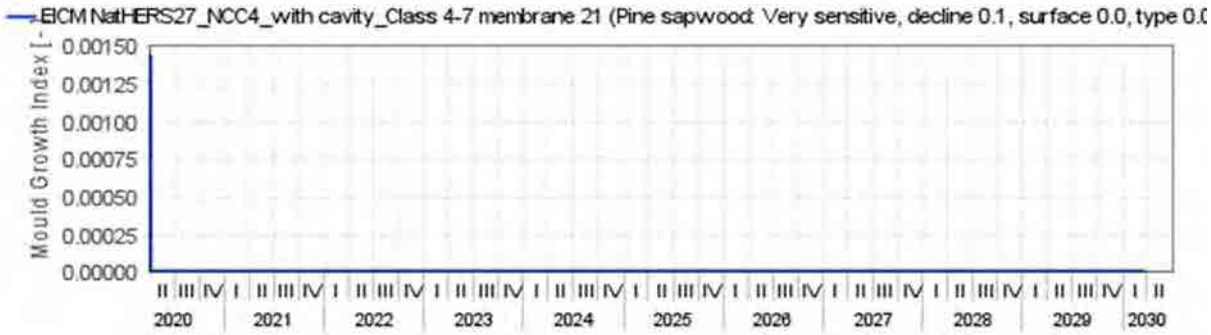

Figure 10: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

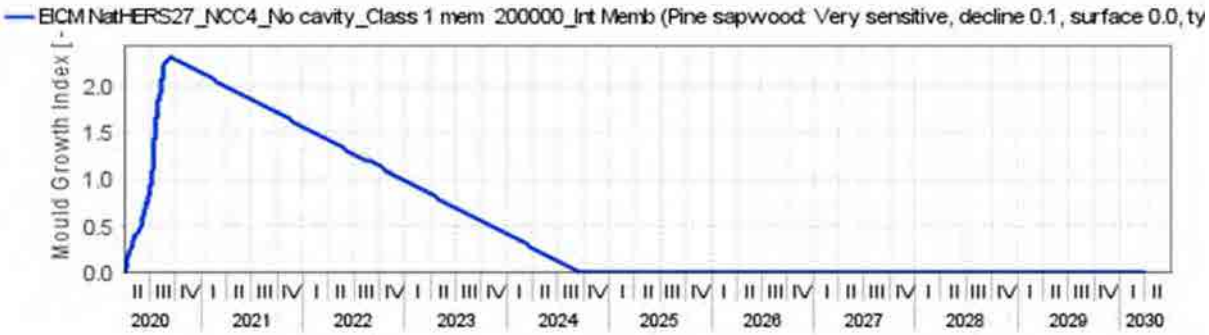

Figure 11: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

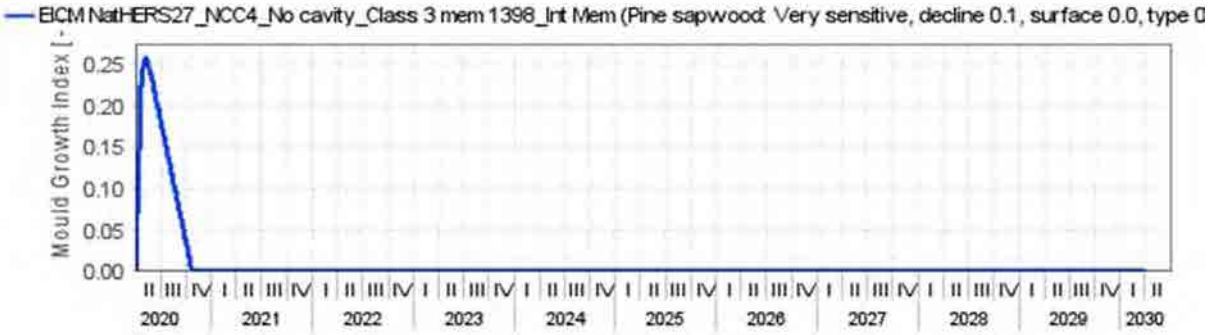

Figure 12: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

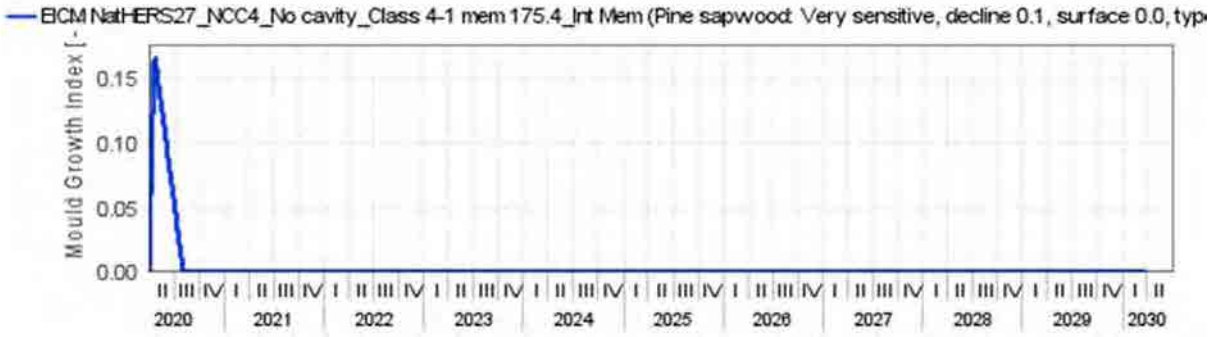

Figure 13: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth - The Mould Growth Index only exceeds 1.0 in the first year.

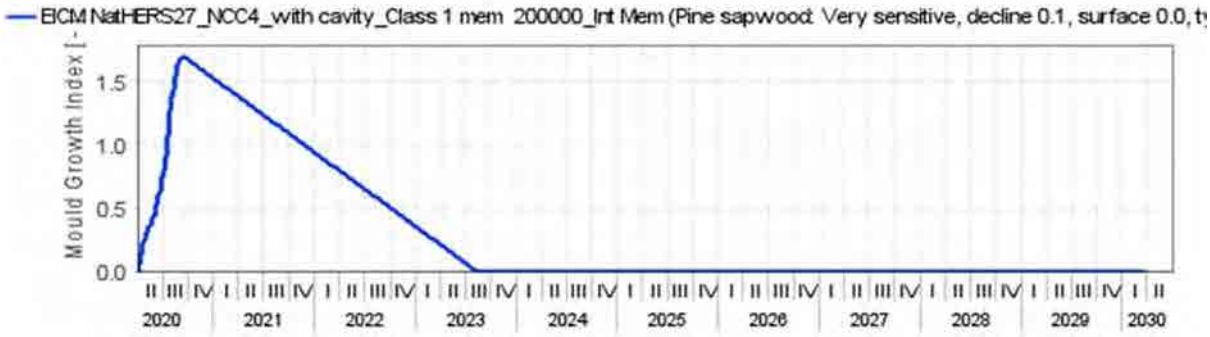

Figure 14: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

15. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

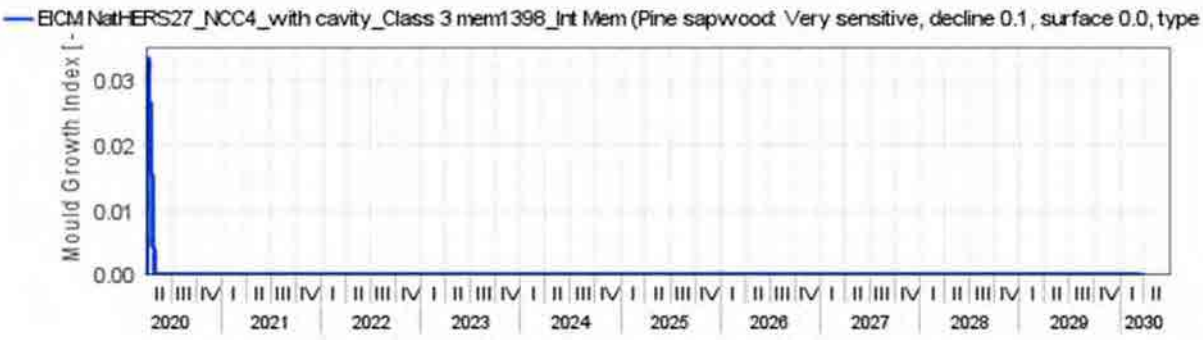

Figure 15: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

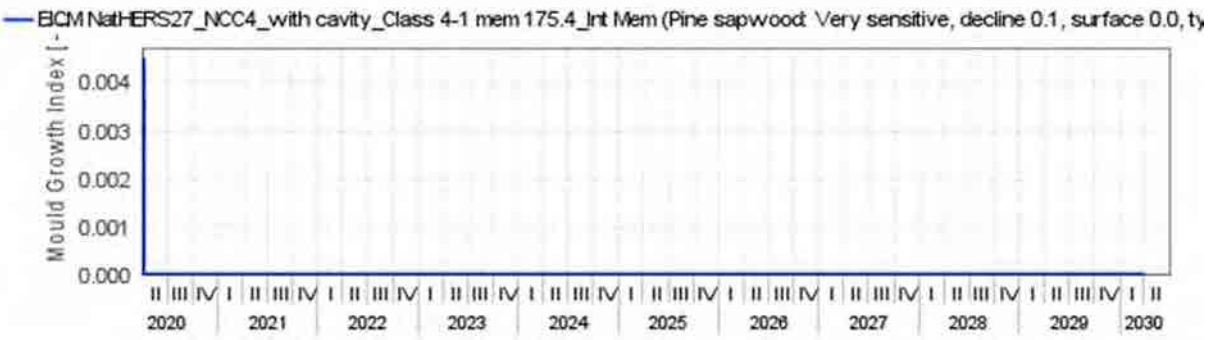

Figure 16: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

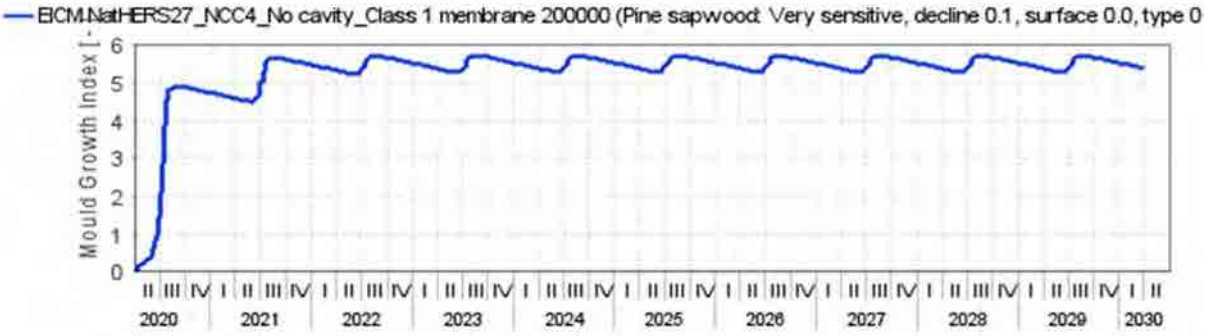

Figure 17: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

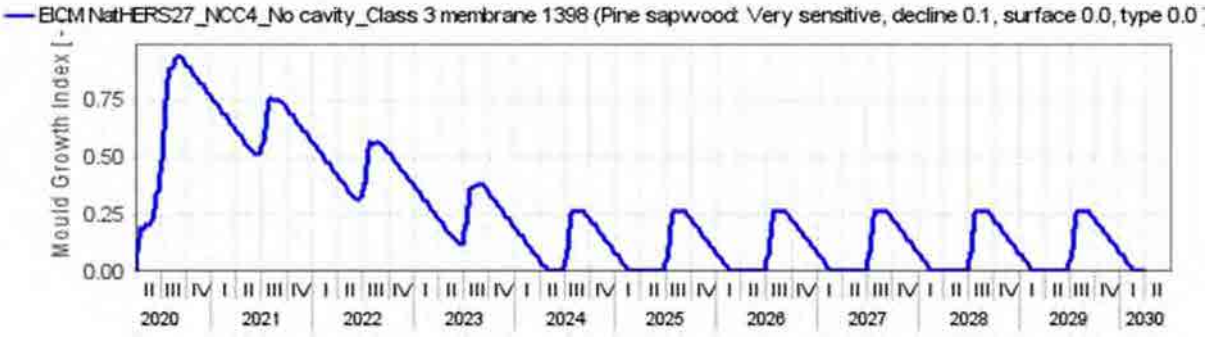

Figure 18: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

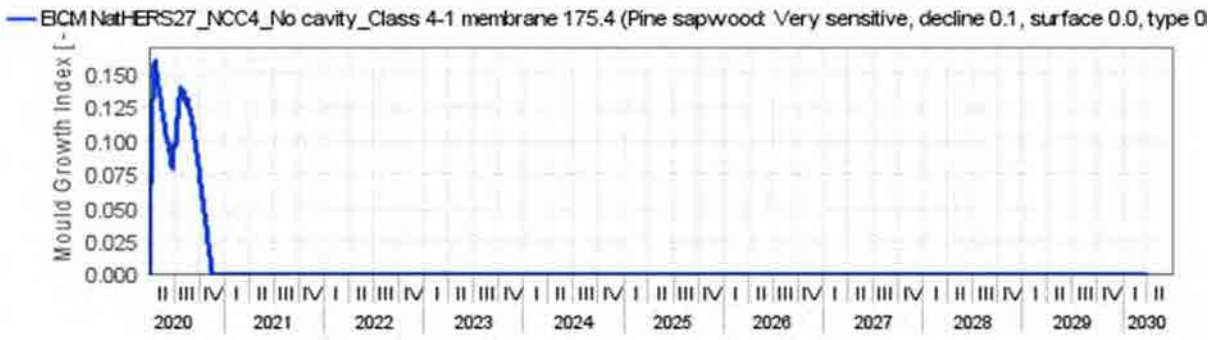

Figure 19: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

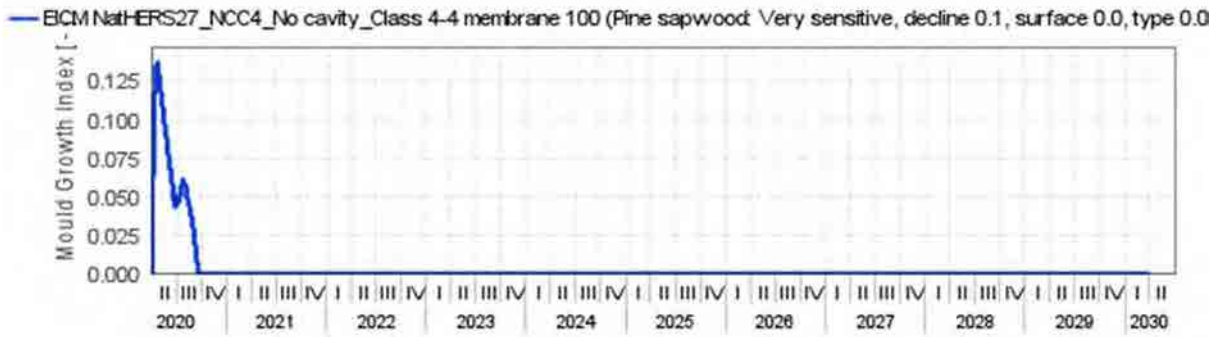

Figure 20 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

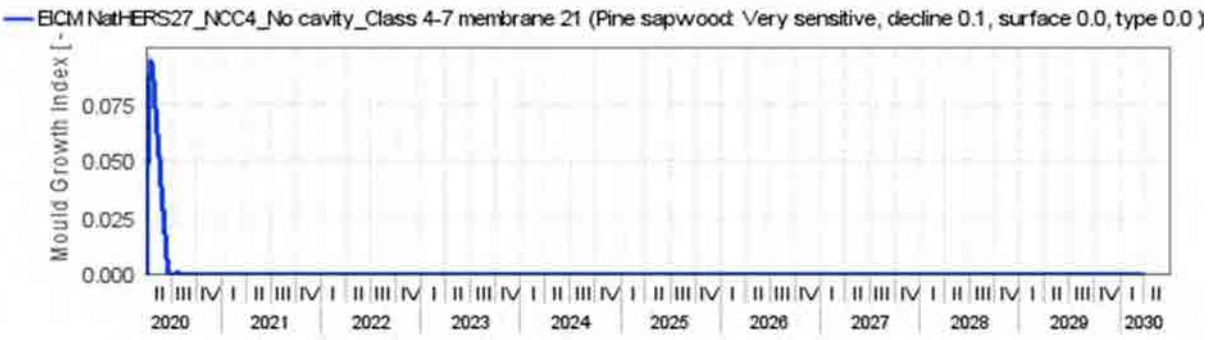

Figure 21: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

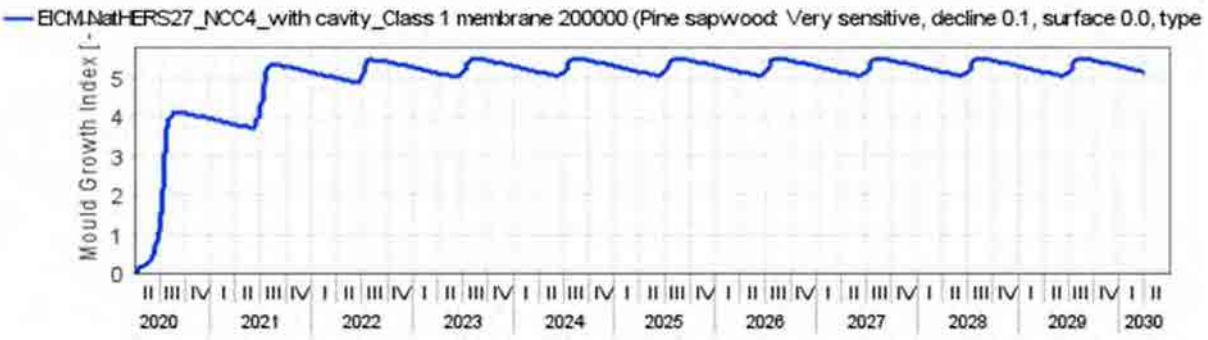

Figure 22: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

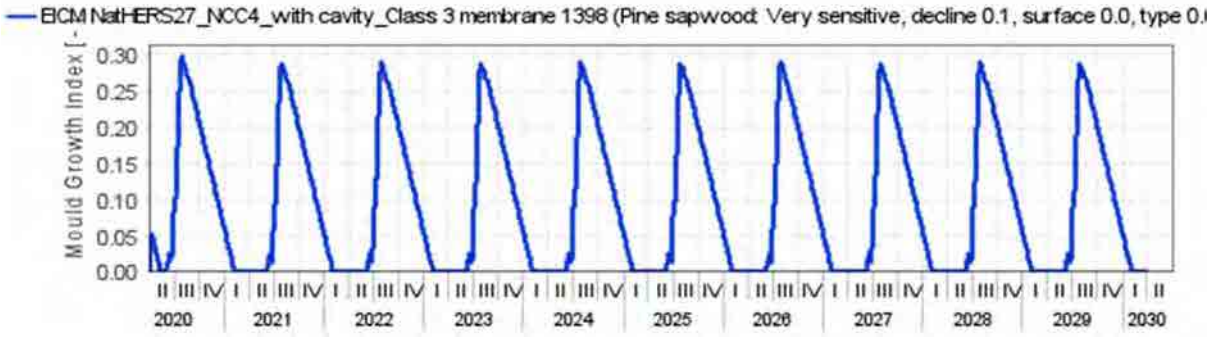

Figure 23: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

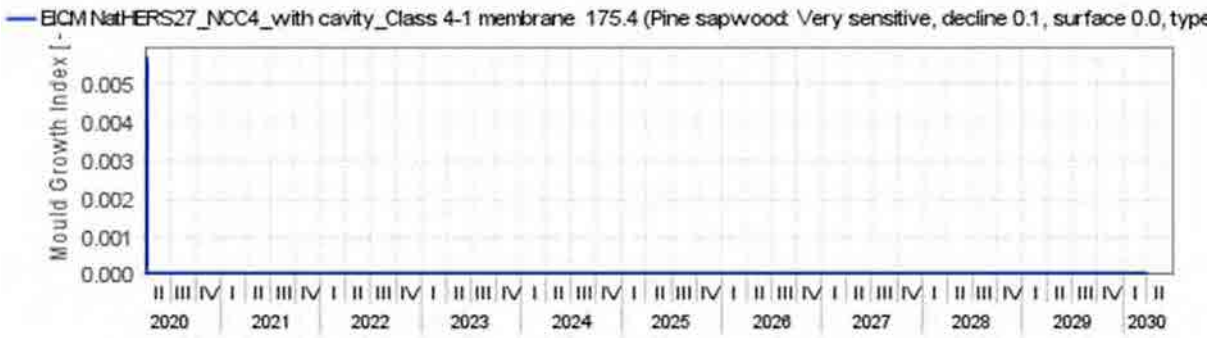

Figure 24: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

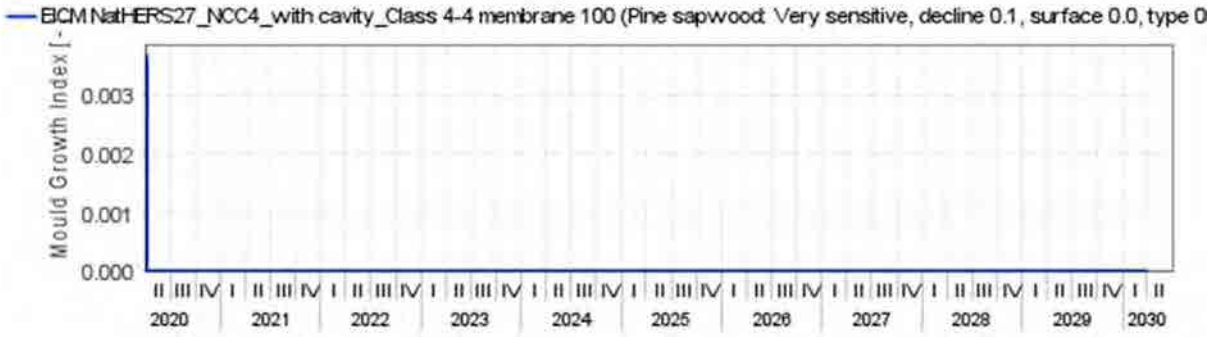

Figure 25 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

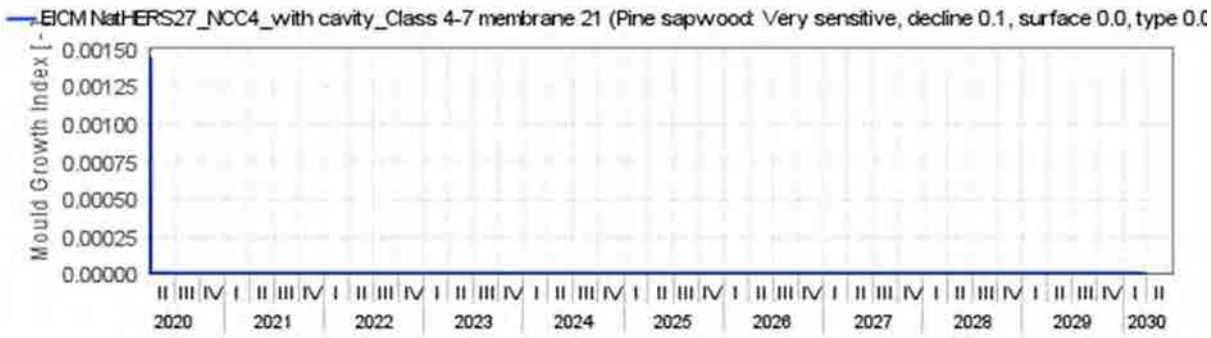

Figure 26: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

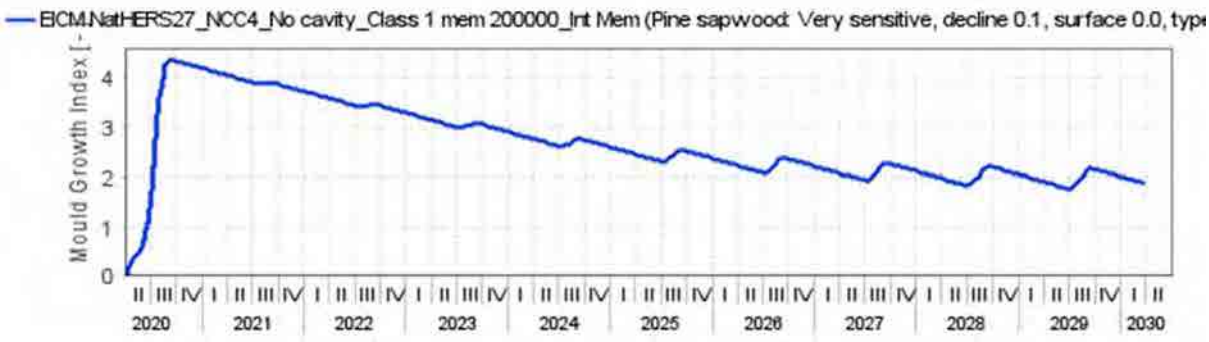

Figure 27: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

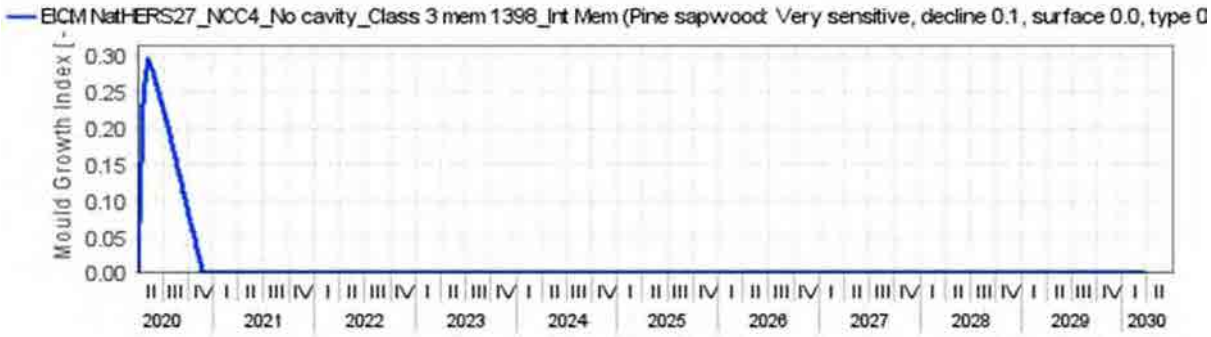

Figure 28: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

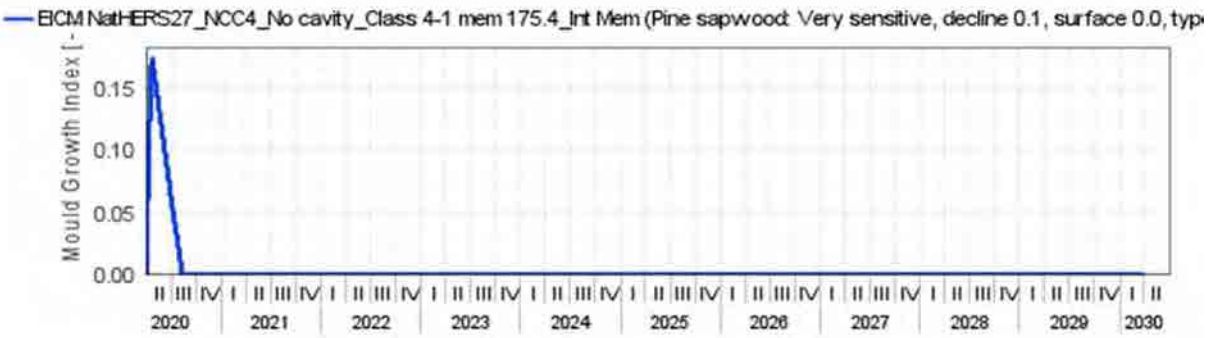

Figure 29: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

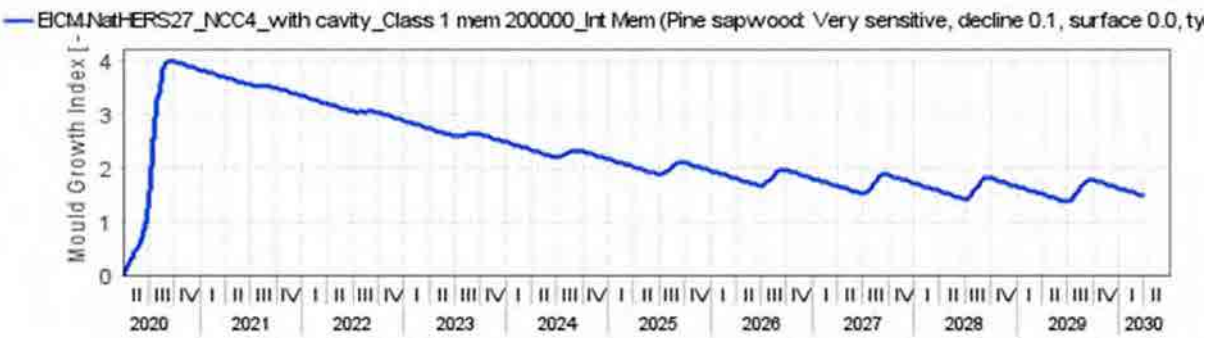

Figure 30: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

15. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

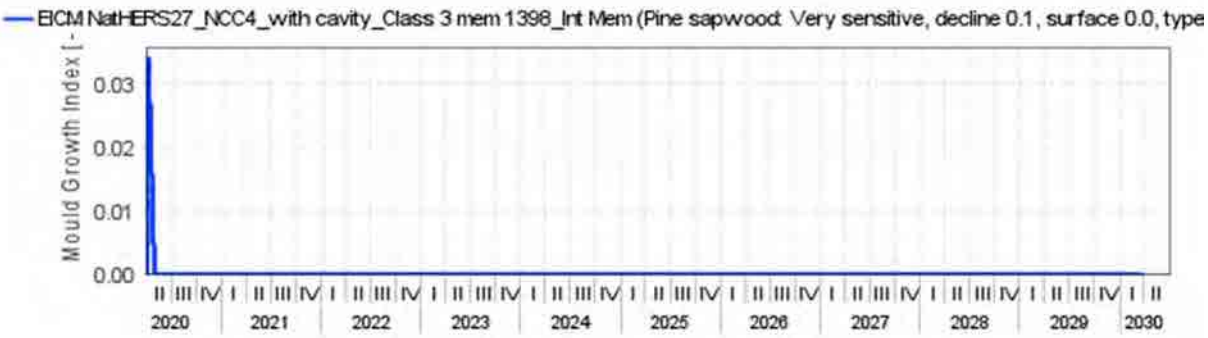

Figure 31: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

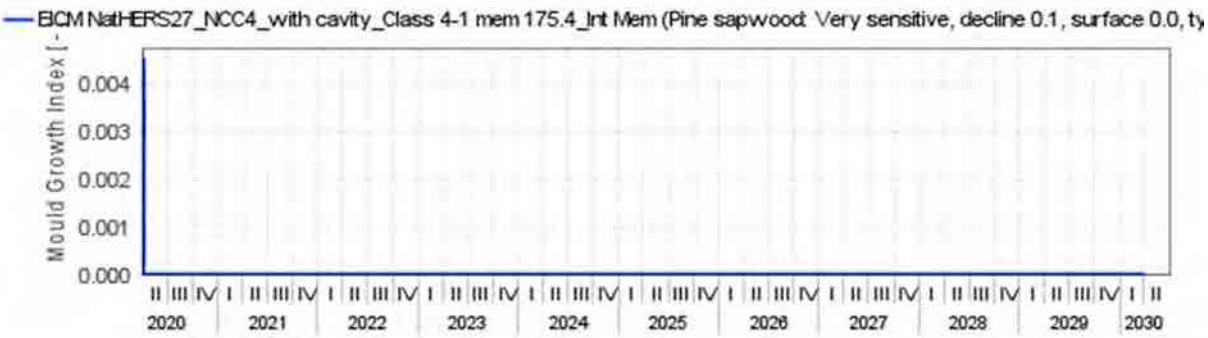

Figure 32: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

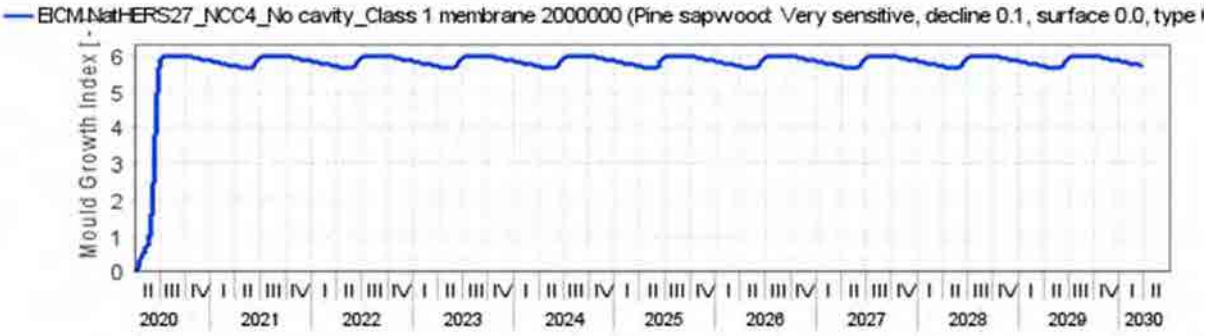

Figure 33: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

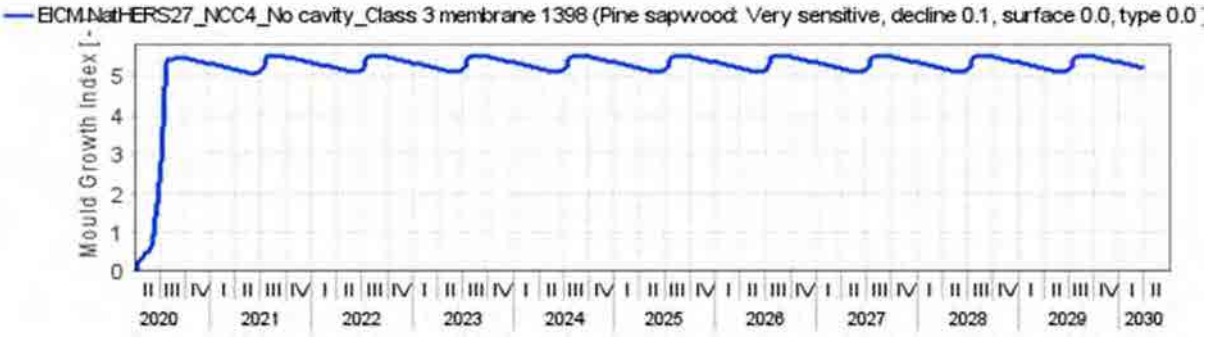

Figure 34: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

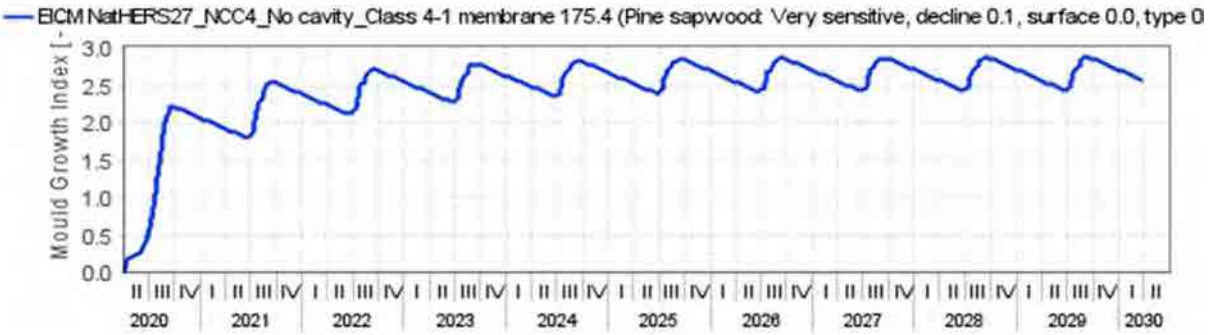

Figure 35: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

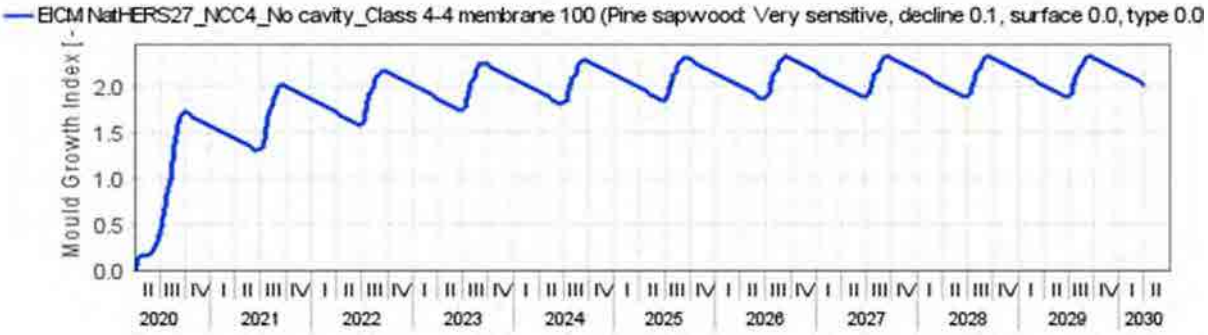

Figure 36 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – - The Mould Growth Index only exceeds 1.0 in the first year.

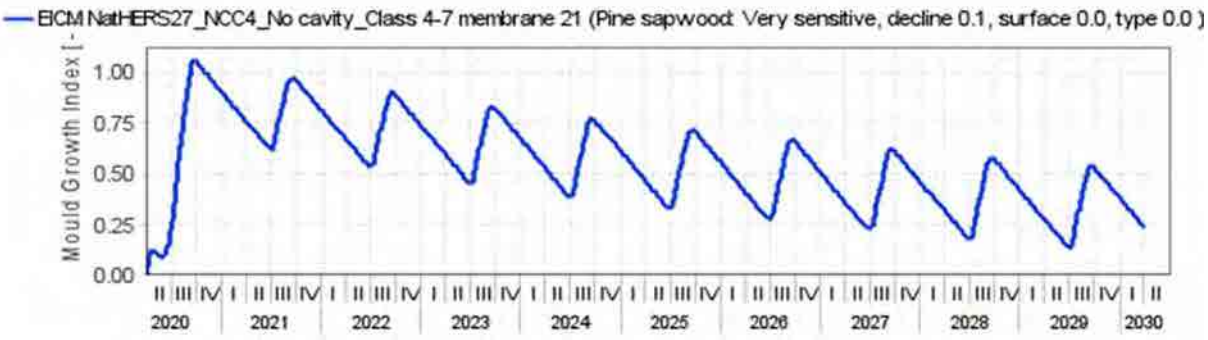

Figure 37: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

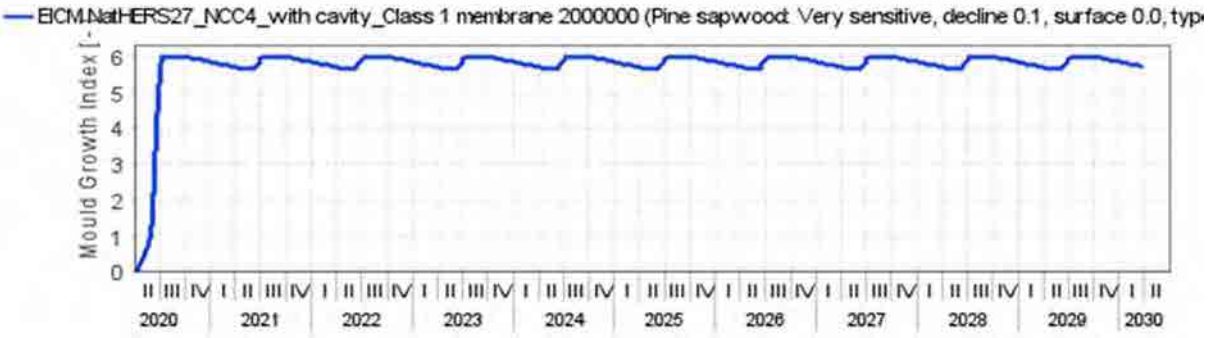

Figure 38: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

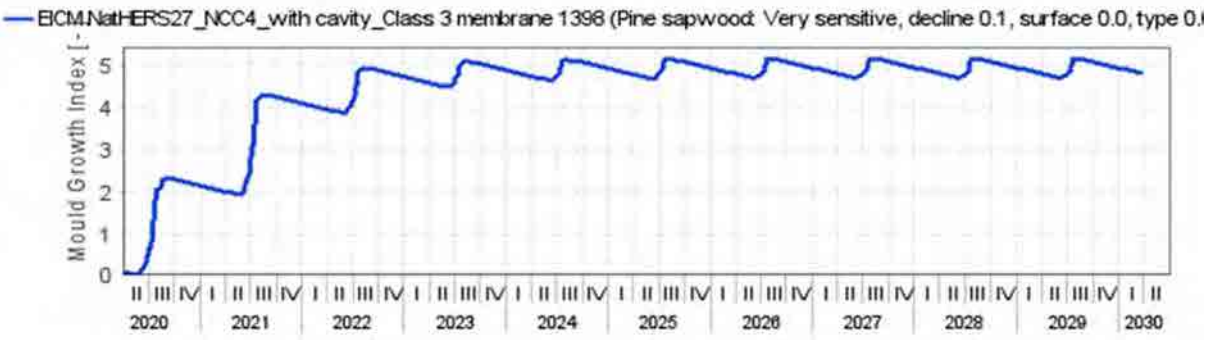

Figure 39: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

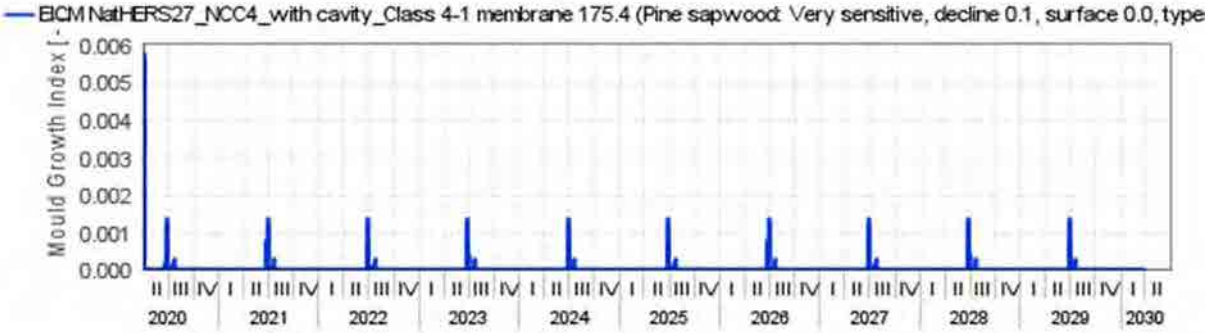

Figure 40: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

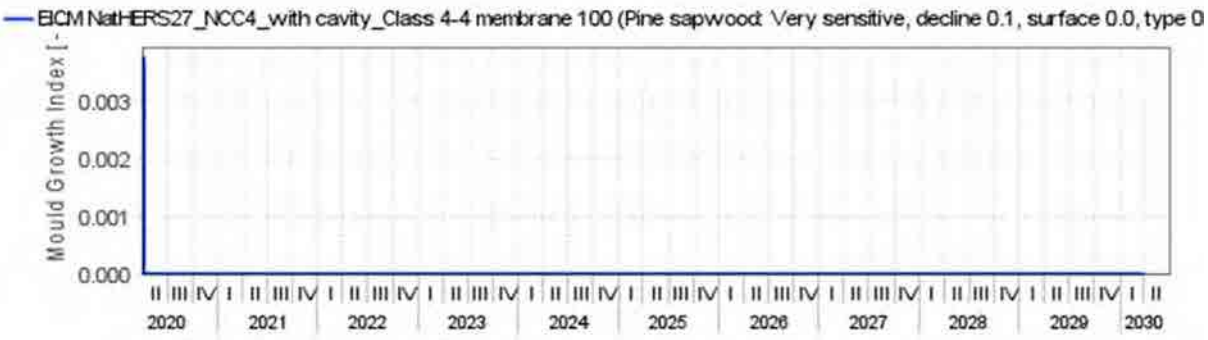

Figure 41 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

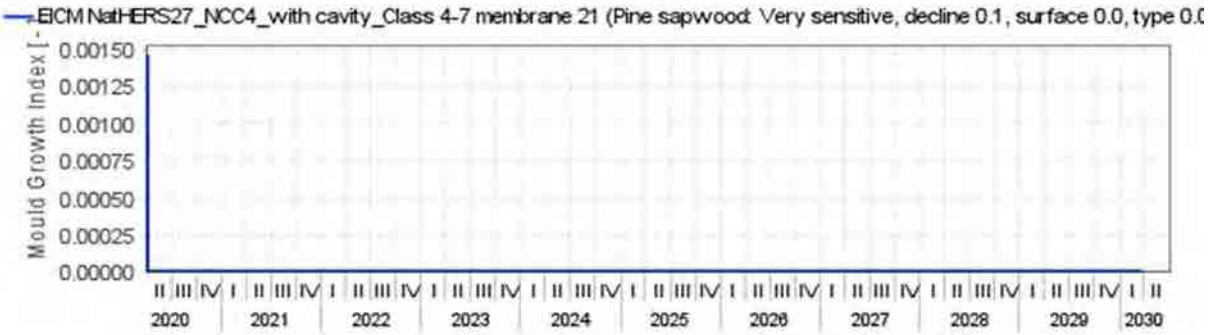

Figure 42: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

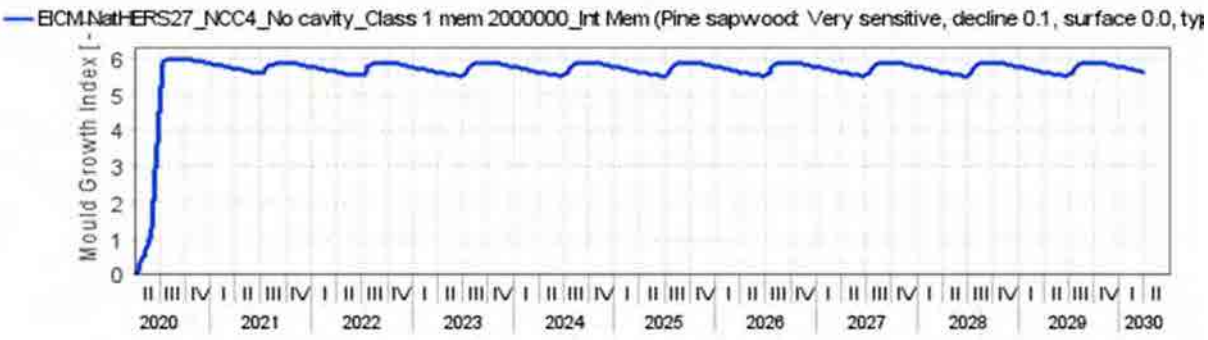

Figure 43: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

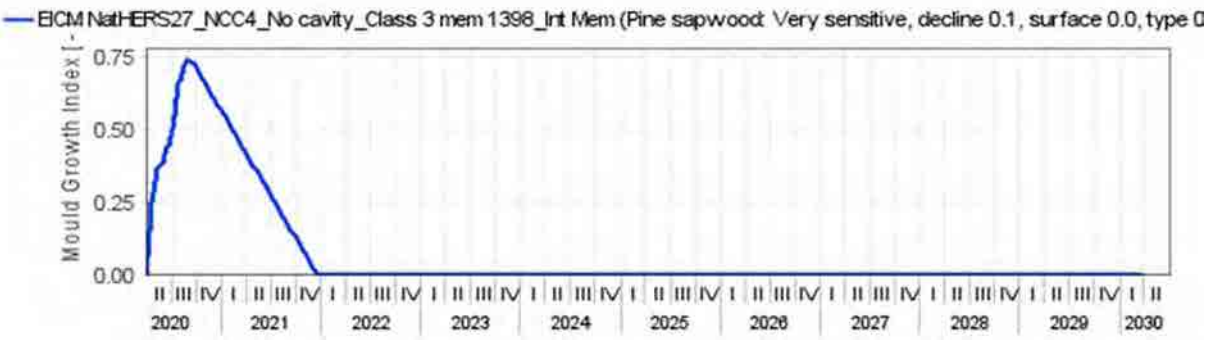

Figure 44: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

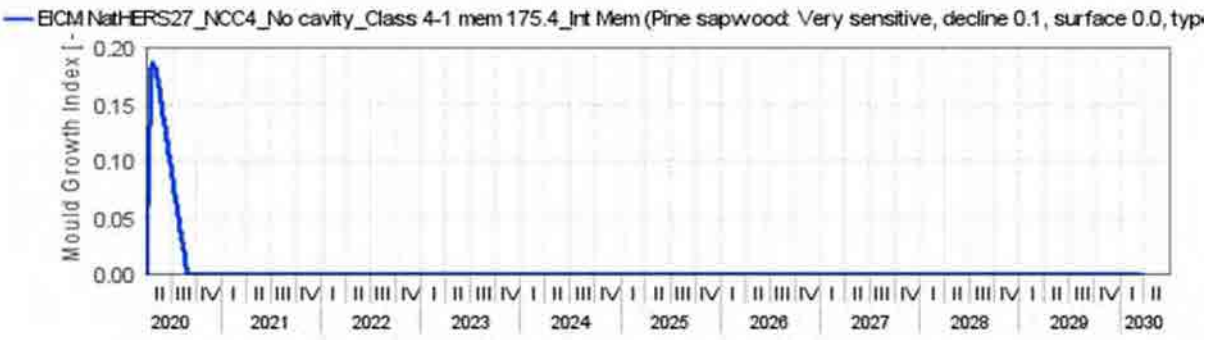

Figure 45: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 46: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

15. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

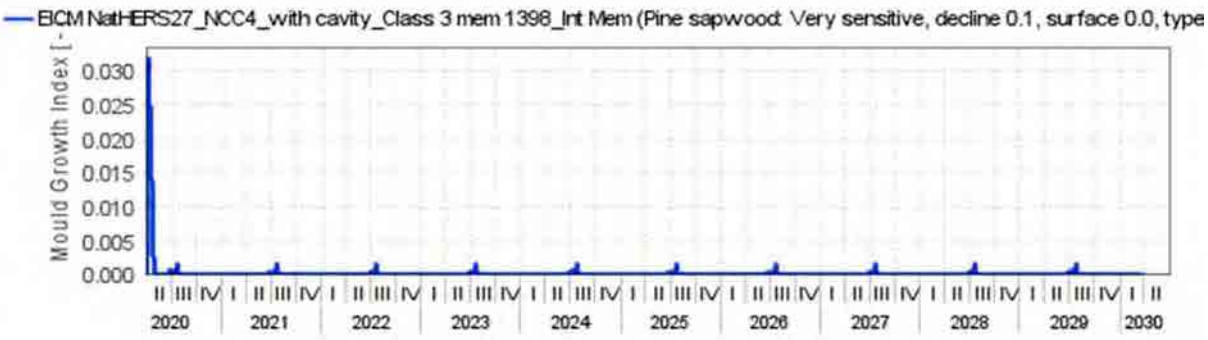

Figure 47: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

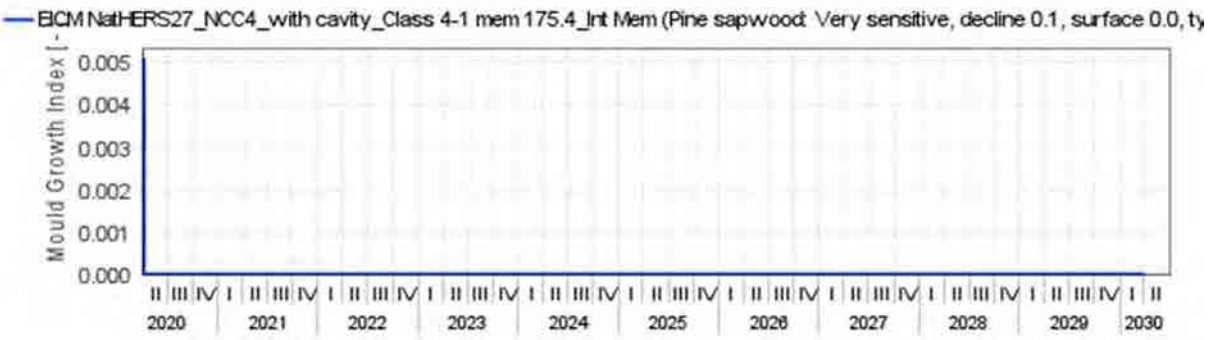

Figure 48: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

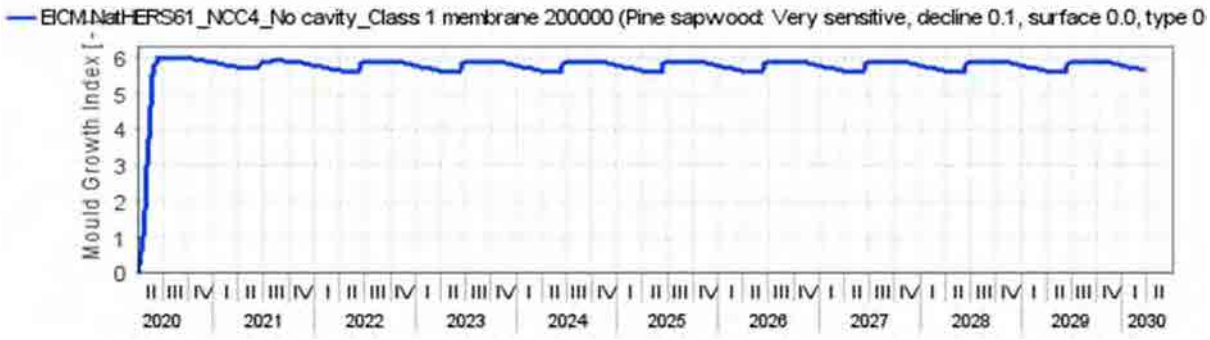

Figure 49: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

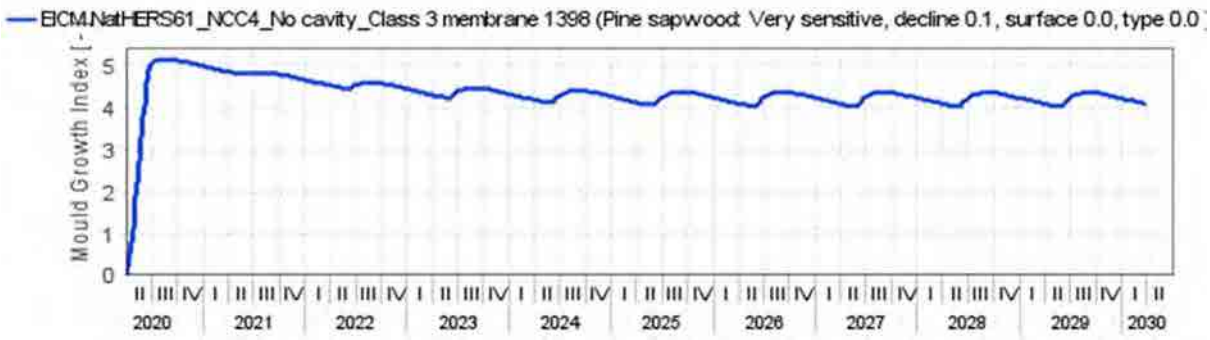

Figure 50: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

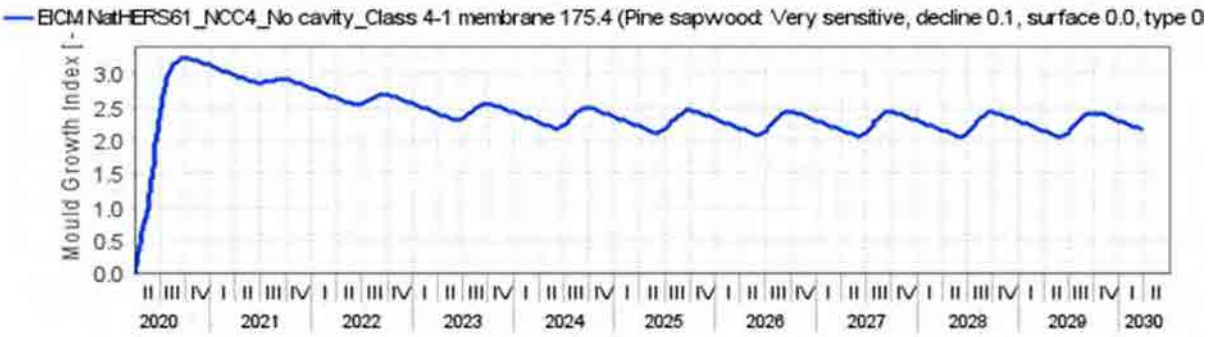

Figure 51: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

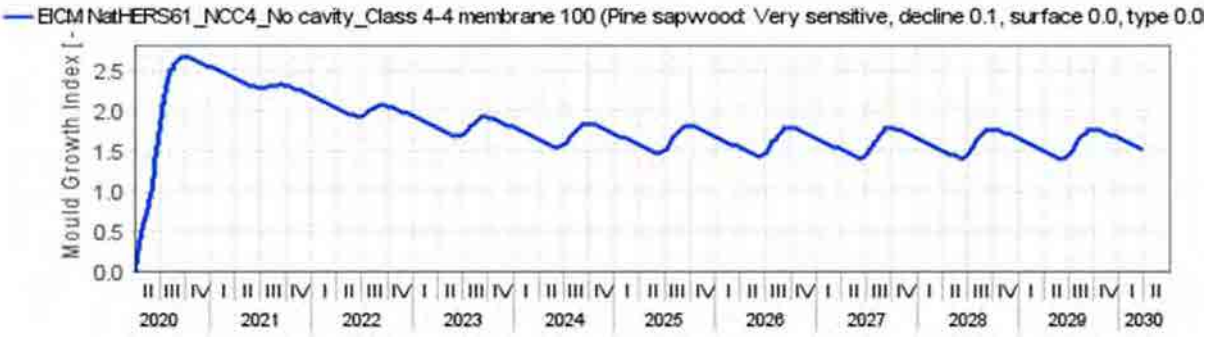

Figure 52 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

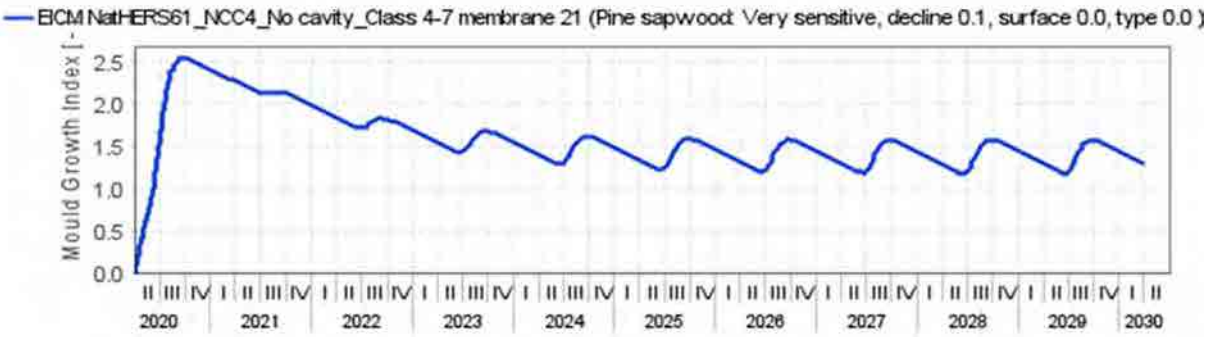

Figure 53: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

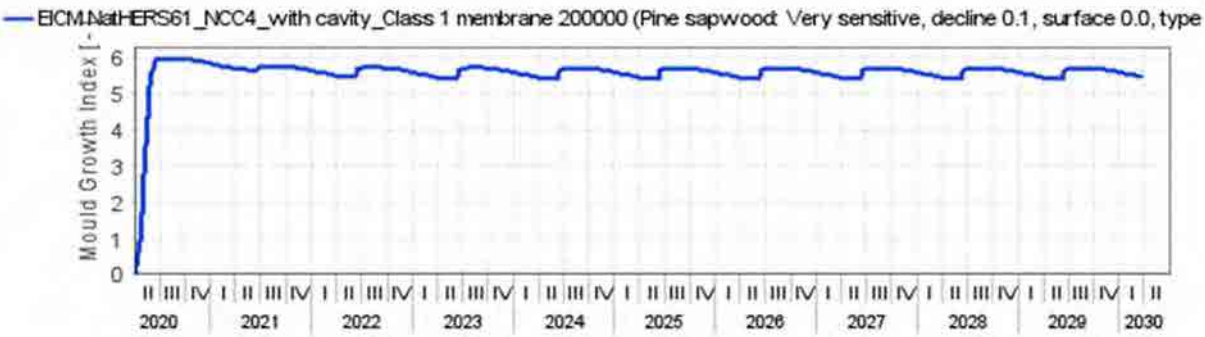

Figure 54: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

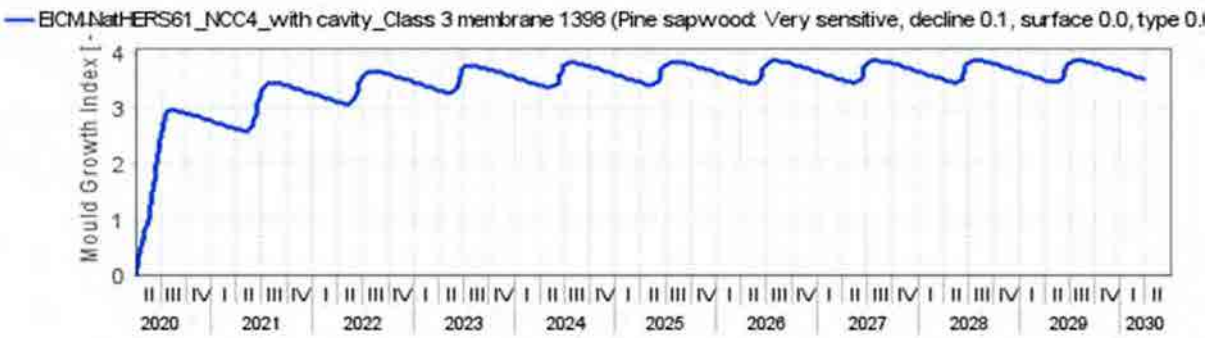

Figure 55: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

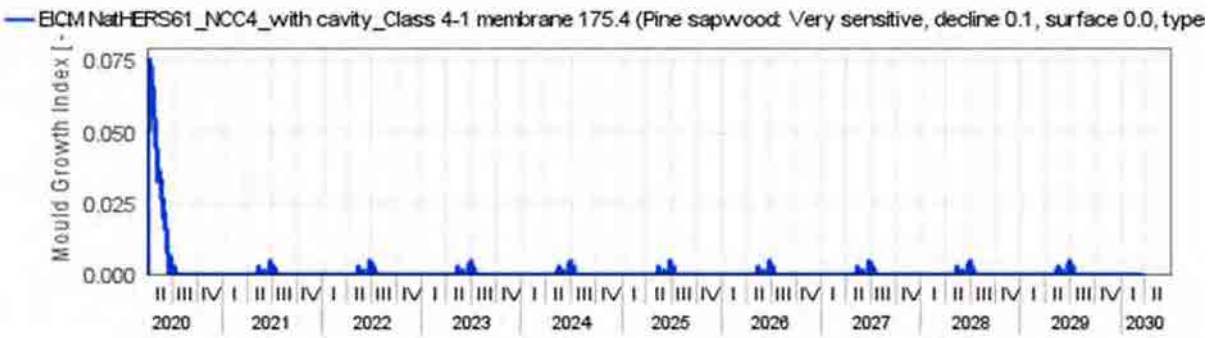

Figure 56: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

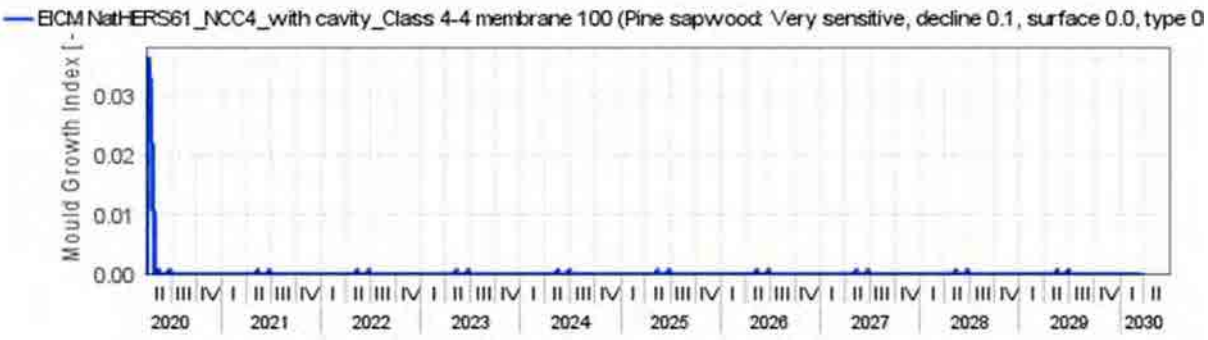

Figure 57 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

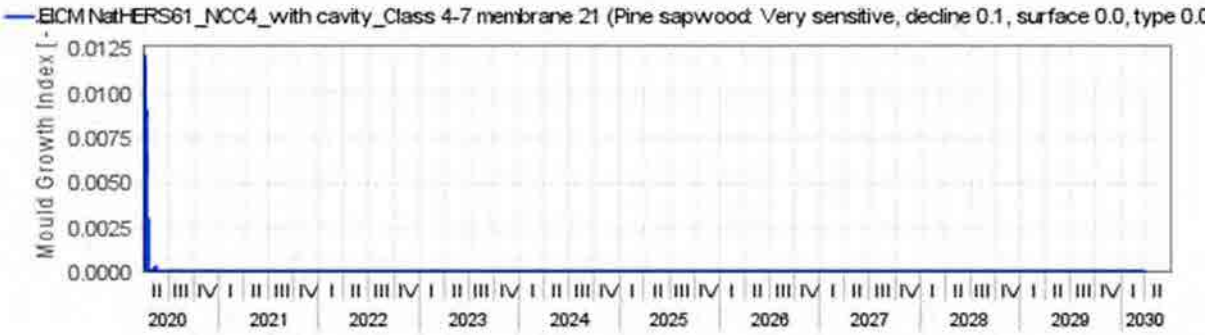

Figure 58: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

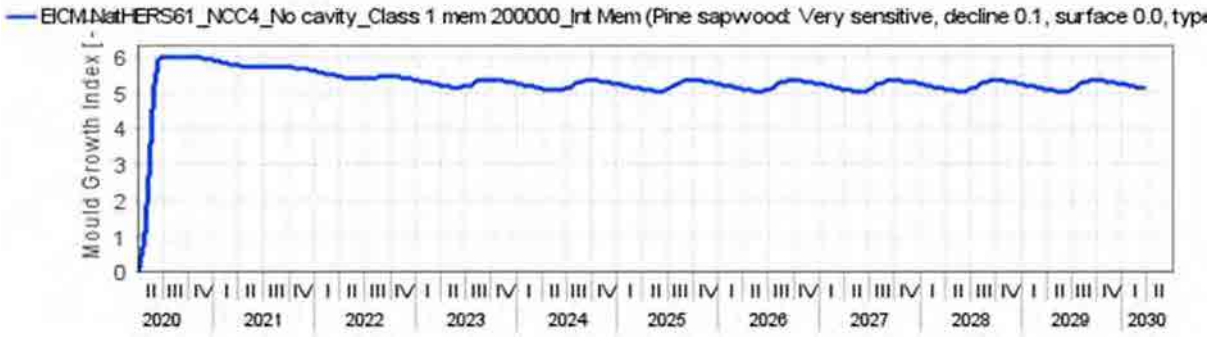

Figure 59: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

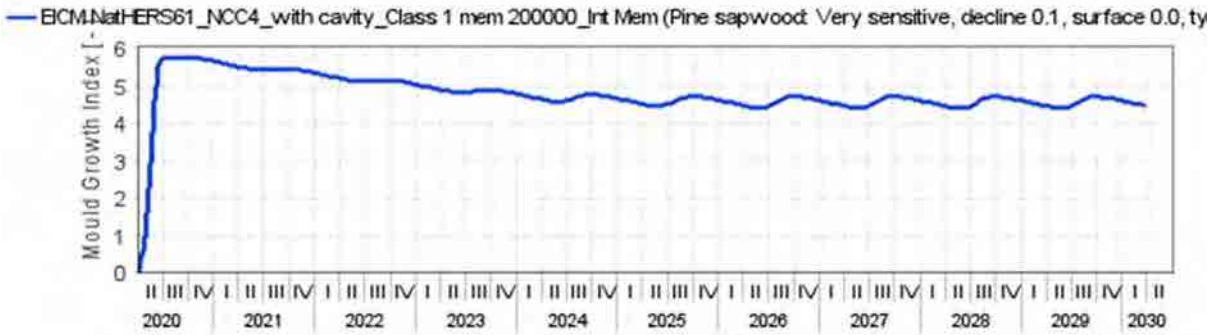

Figure 60: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

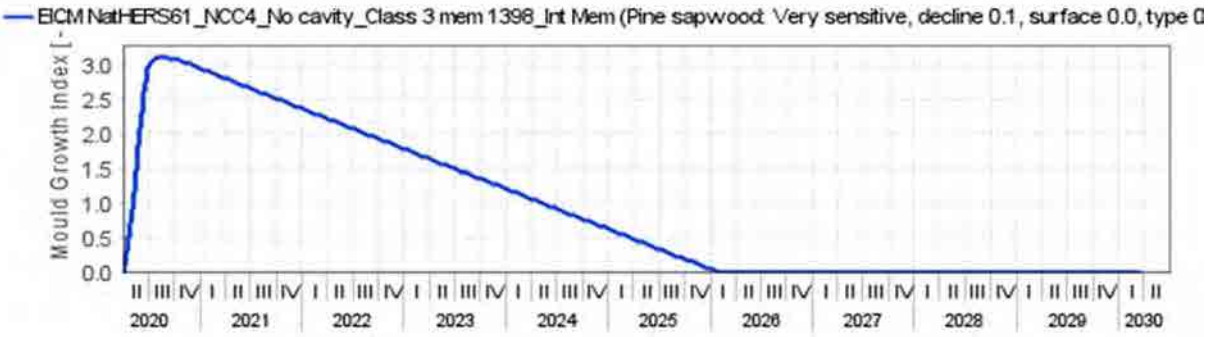

Figure 61: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

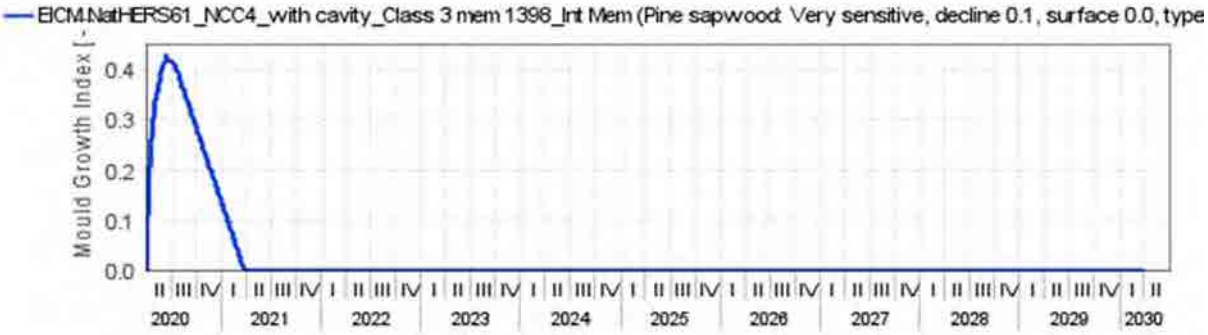

Figure 62: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

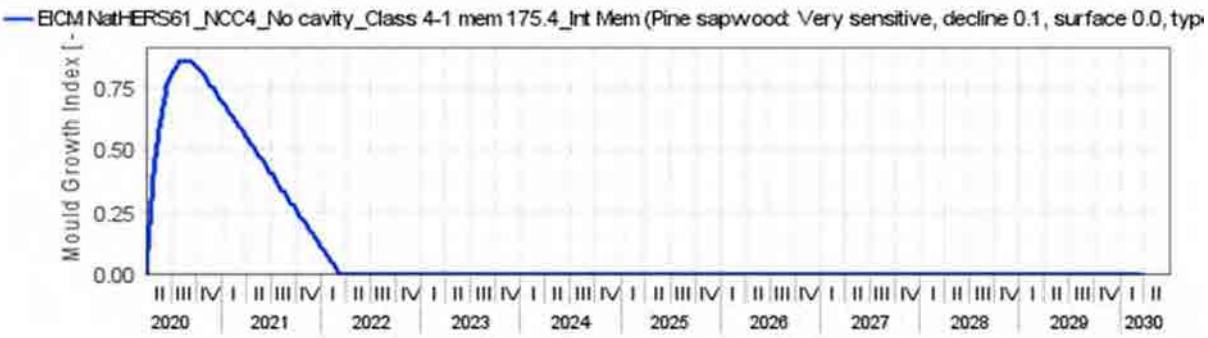

Figure 63: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

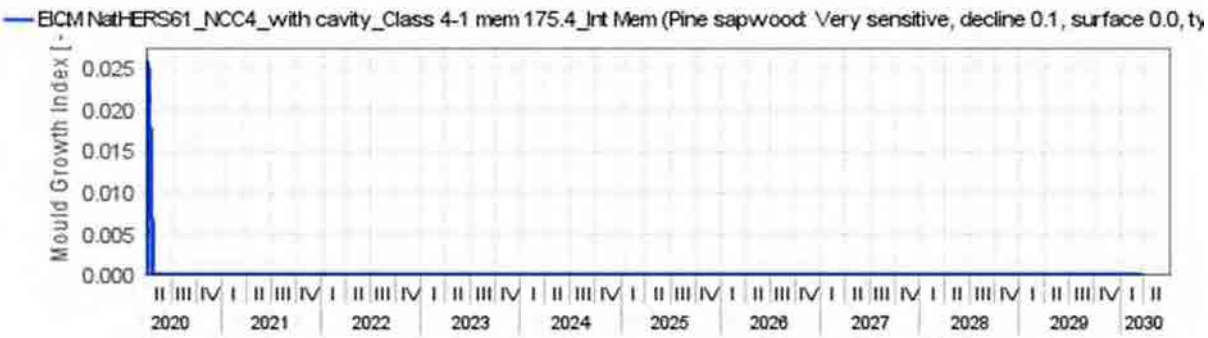

Figure 64: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

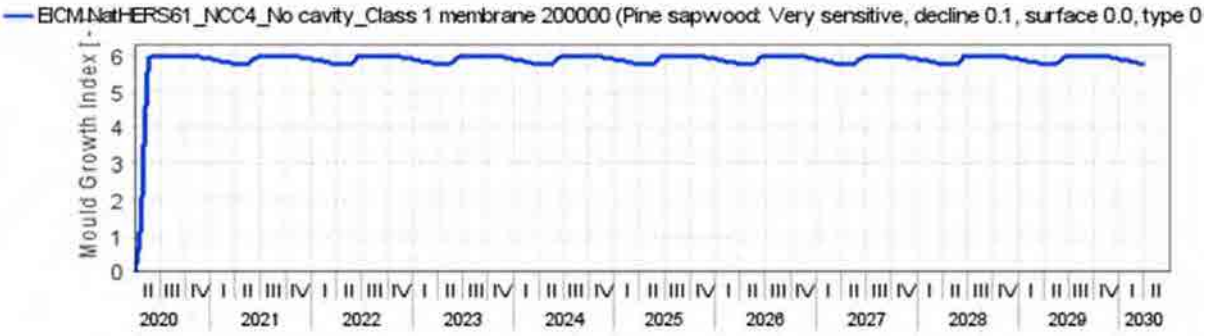

Figure 65: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

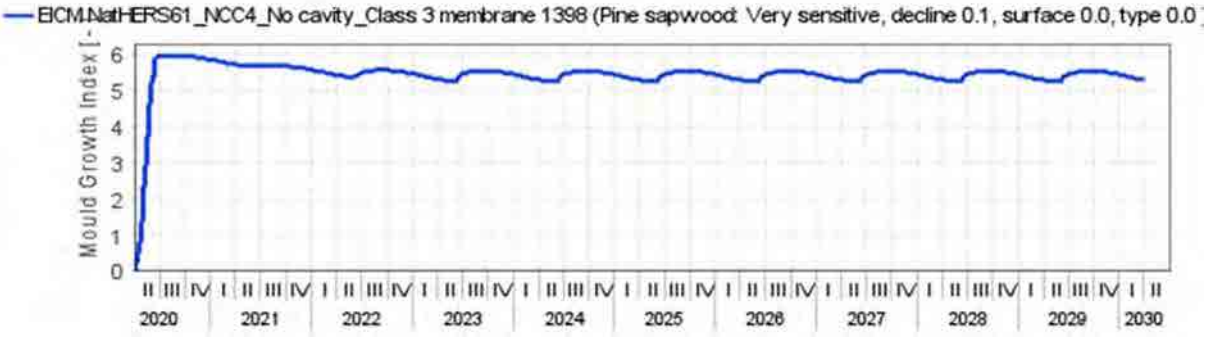

Figure 66: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

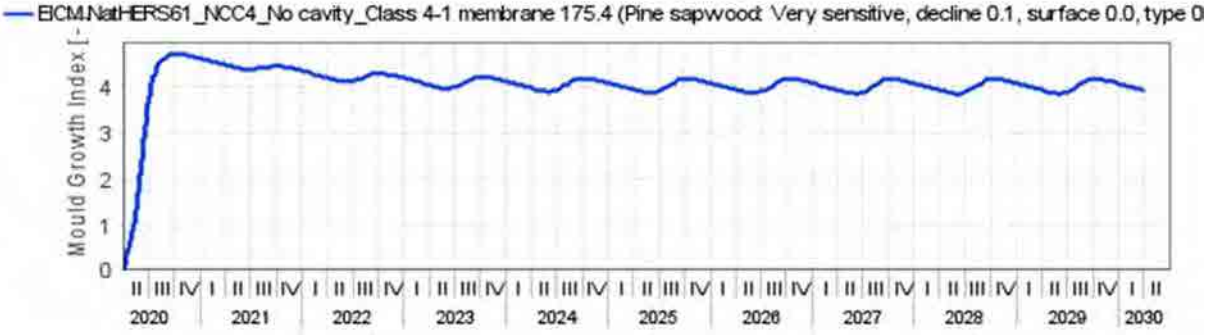

Figure 67: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

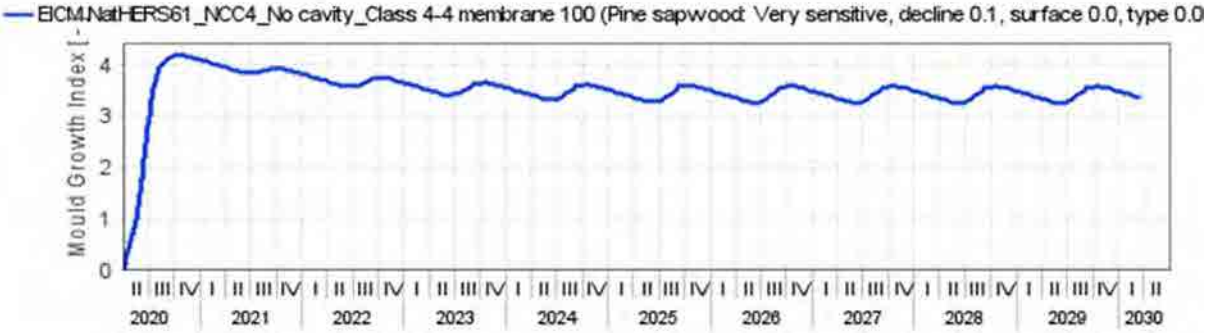

Figure 68 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

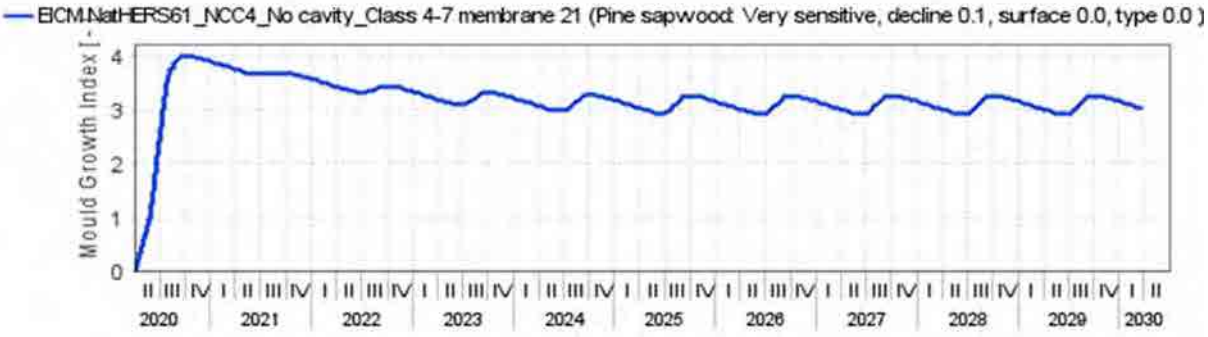

Figure 69: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

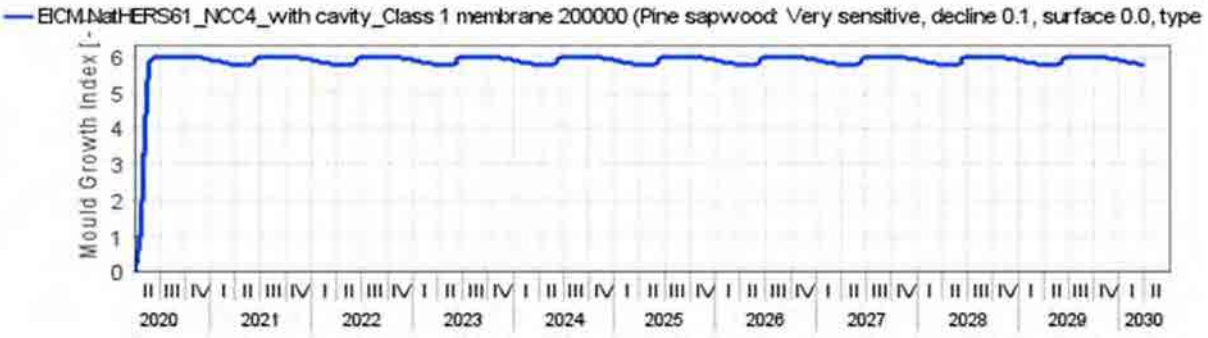

Figure 70: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

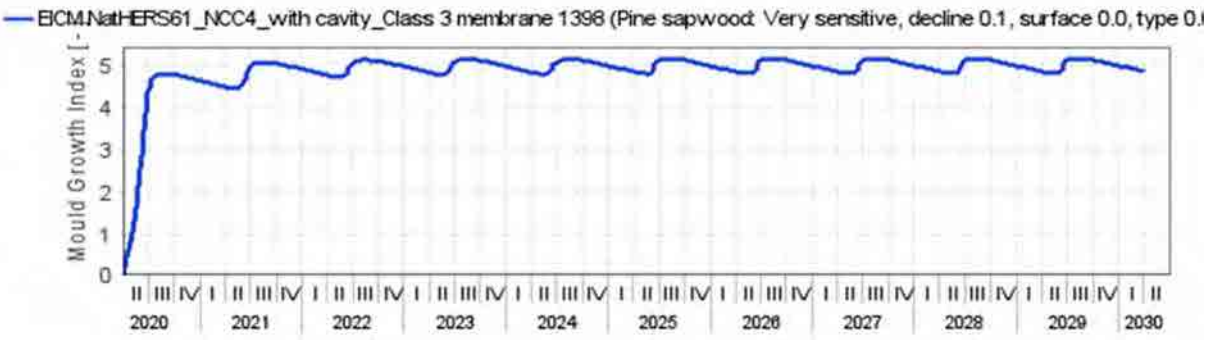

Figure 71: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

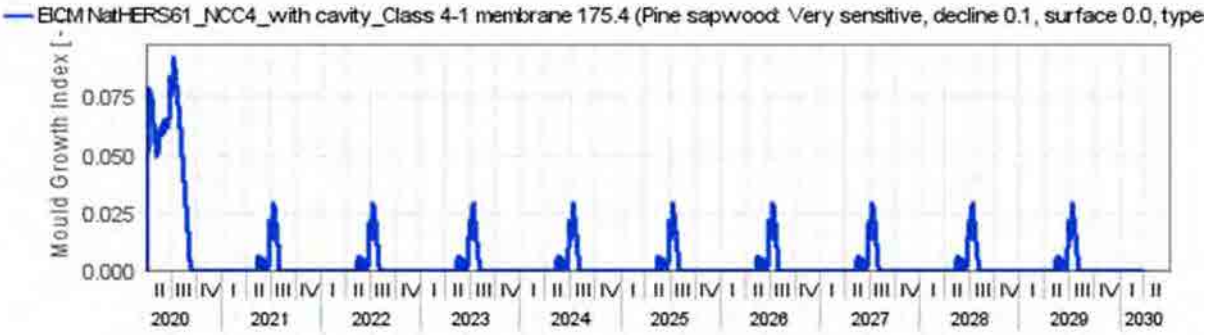

Figure 72: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

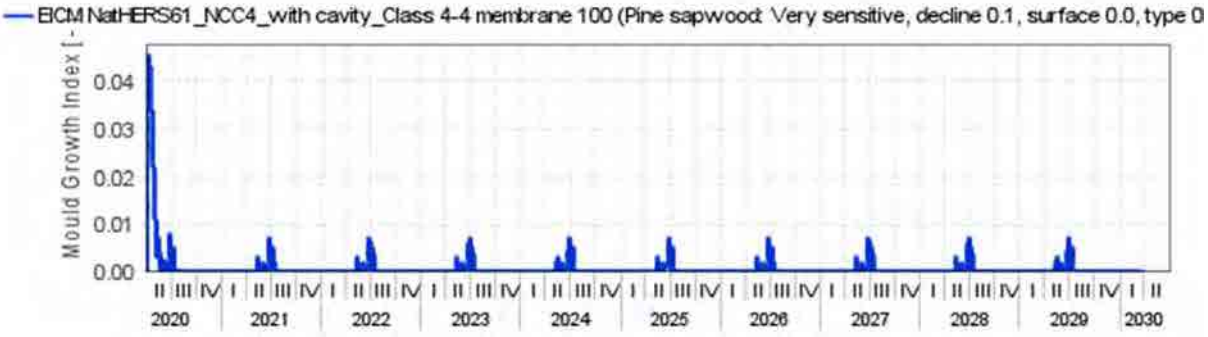

Figure 73 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

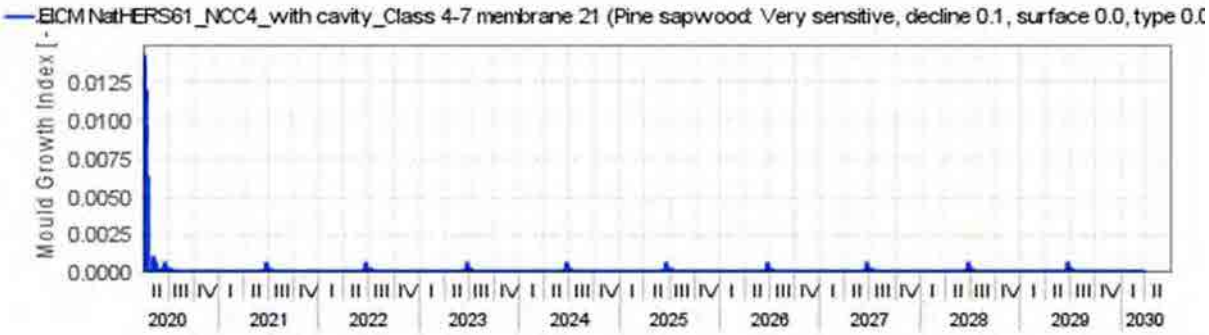

Figure 74: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

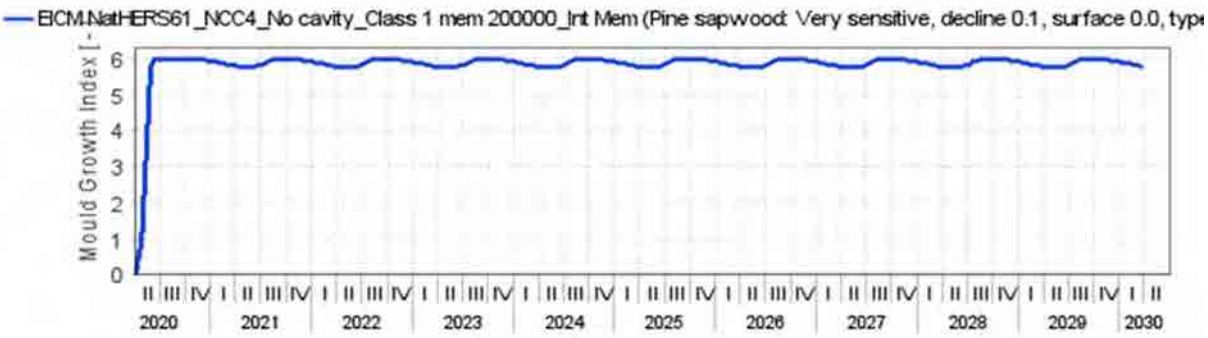

Figure 75: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

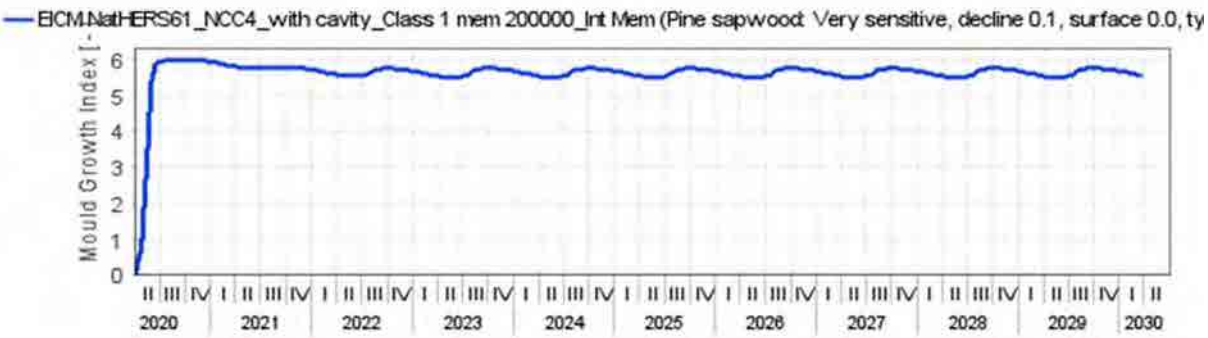

Figure 76: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

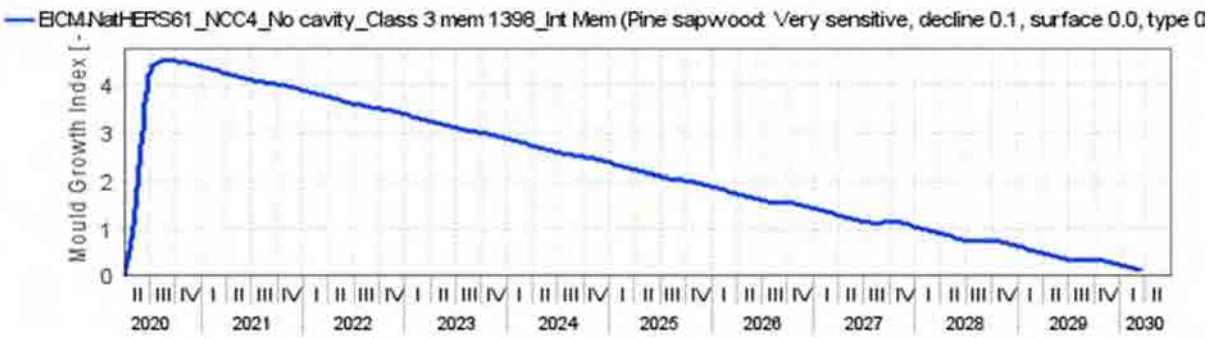

Figure 77: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

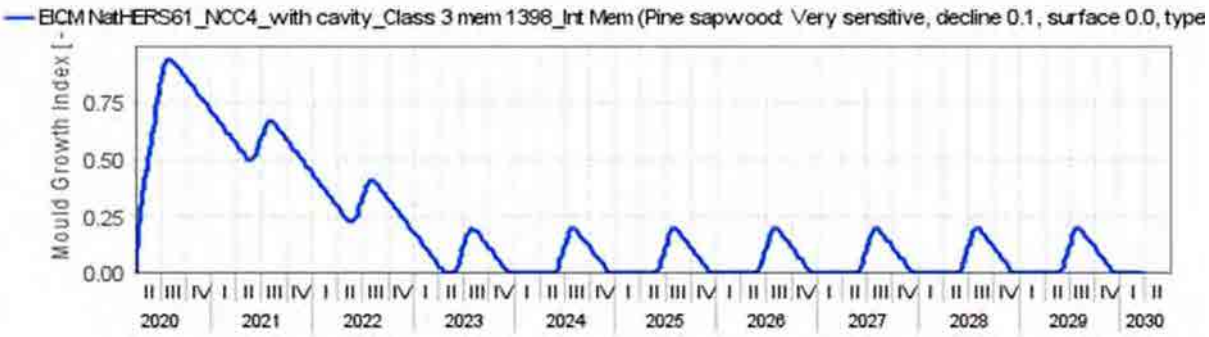

Figure 78: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

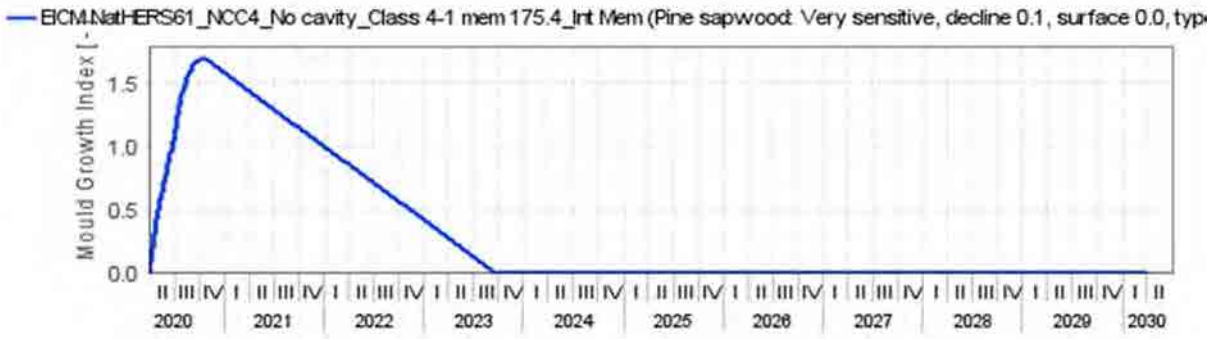

Figure 79: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

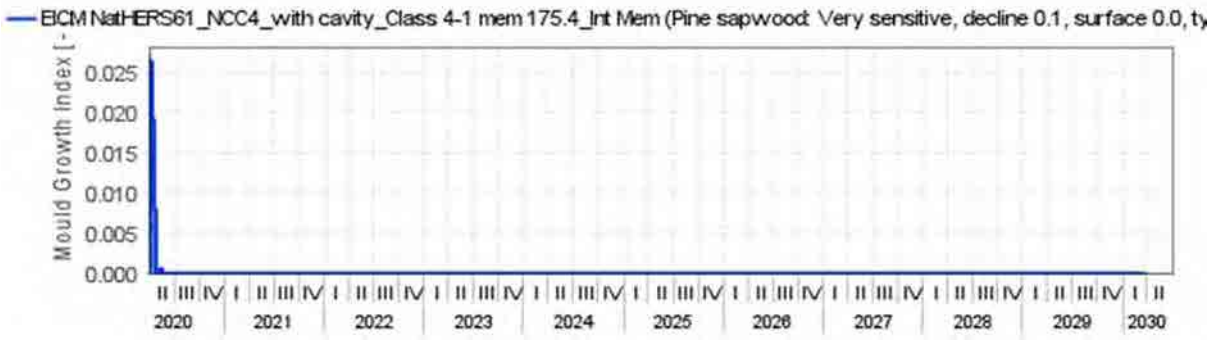

Figure 80: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

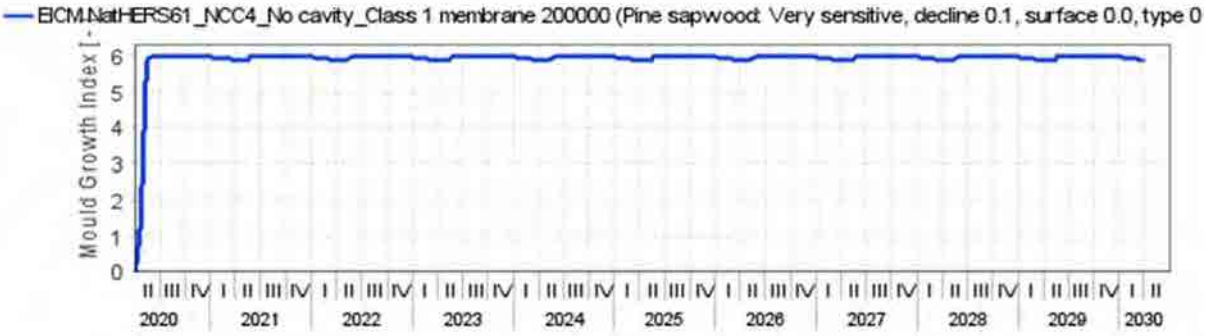

Figure 81: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

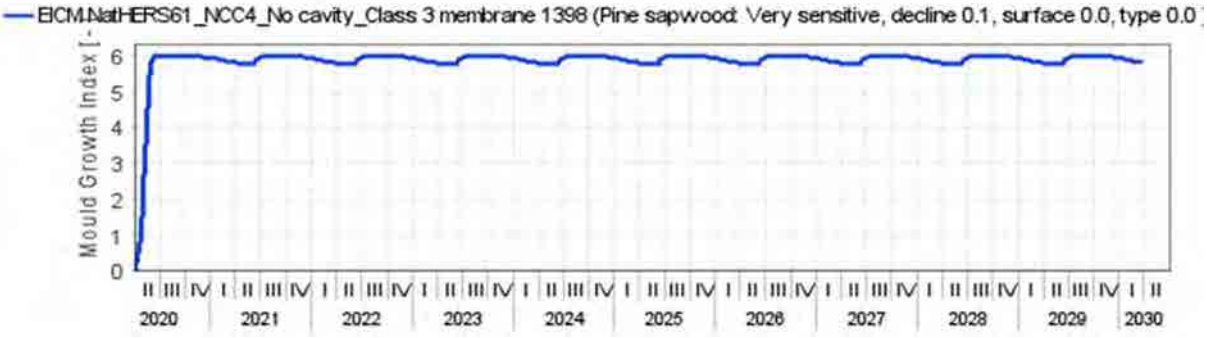

Figure 82: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

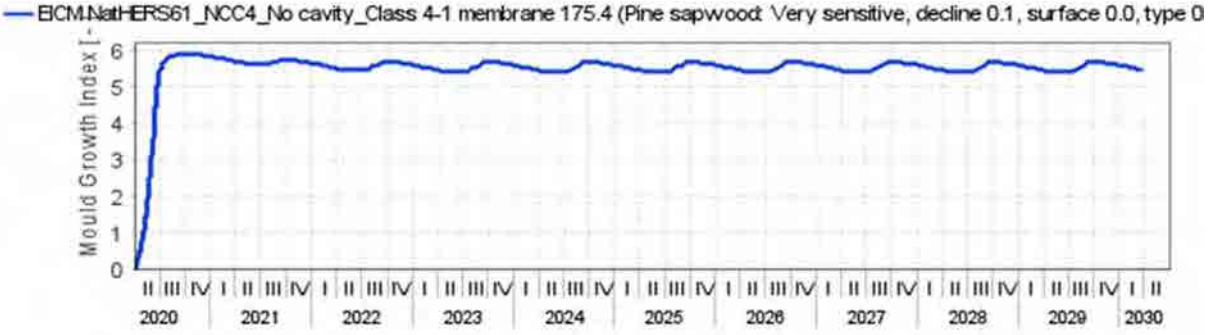

Figure 83: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

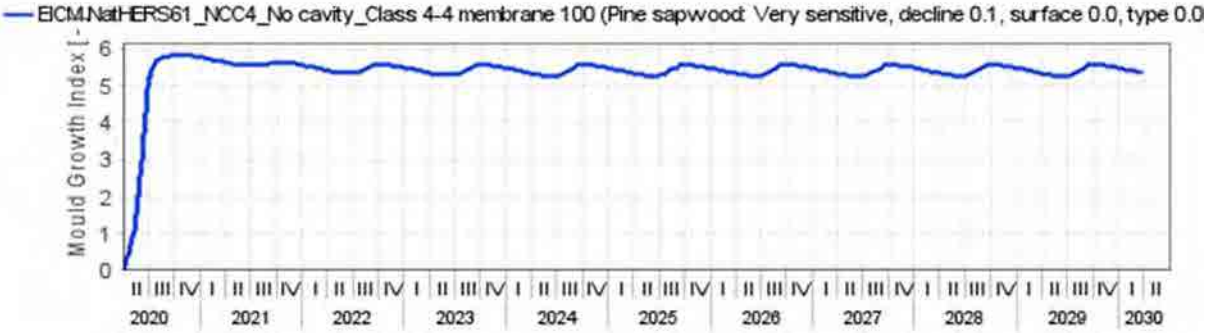

Figure 84 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

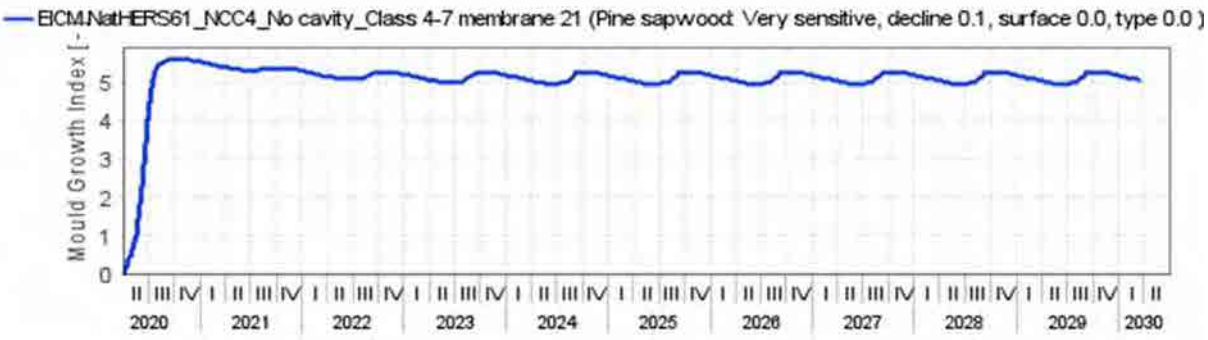

Figure 85: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

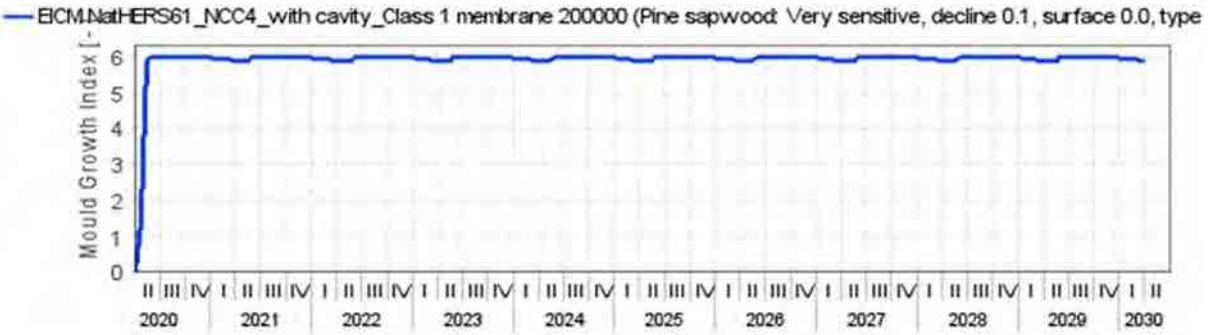

Figure 86: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

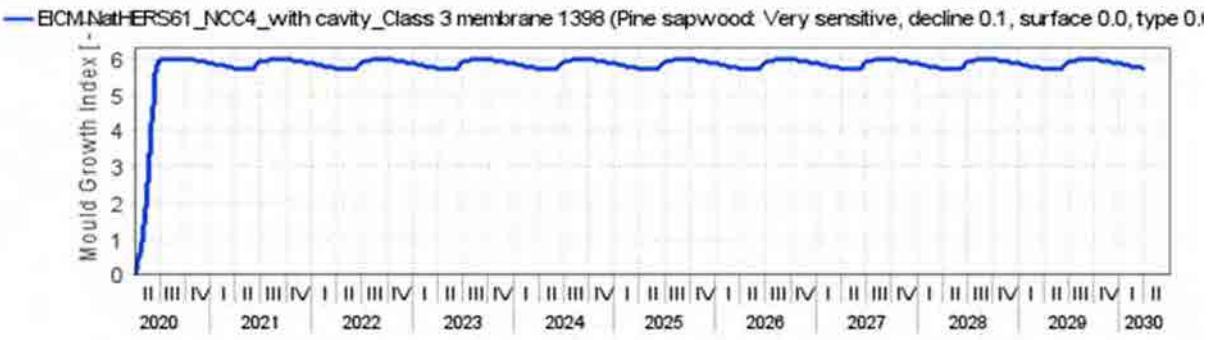

Figure 87: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

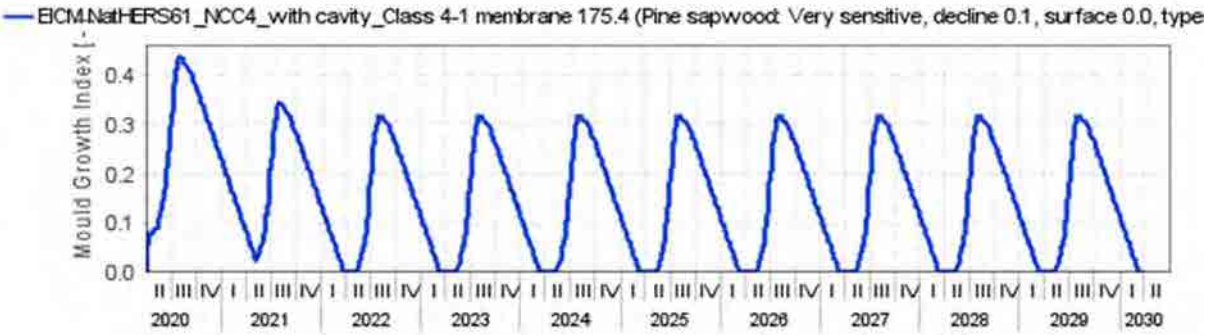

Figure 88: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

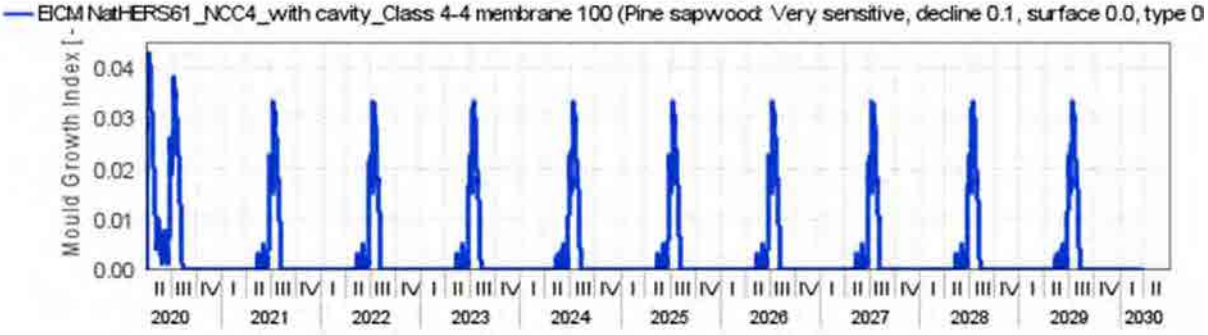

Figure 89 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

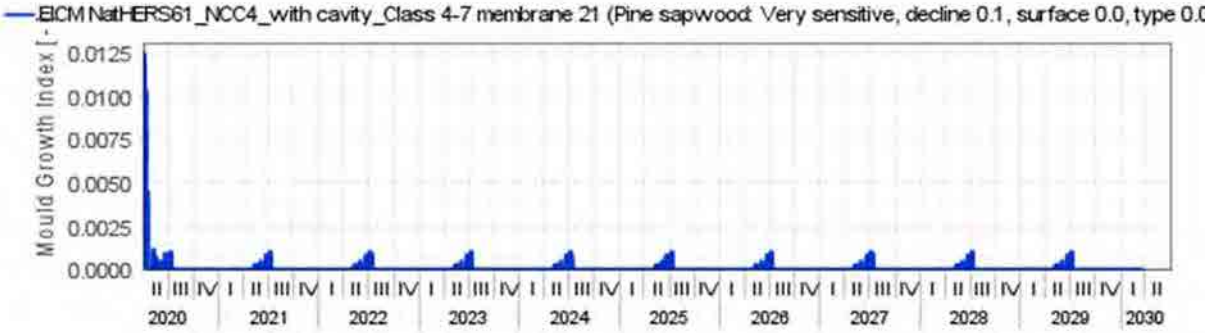

Figure 90: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

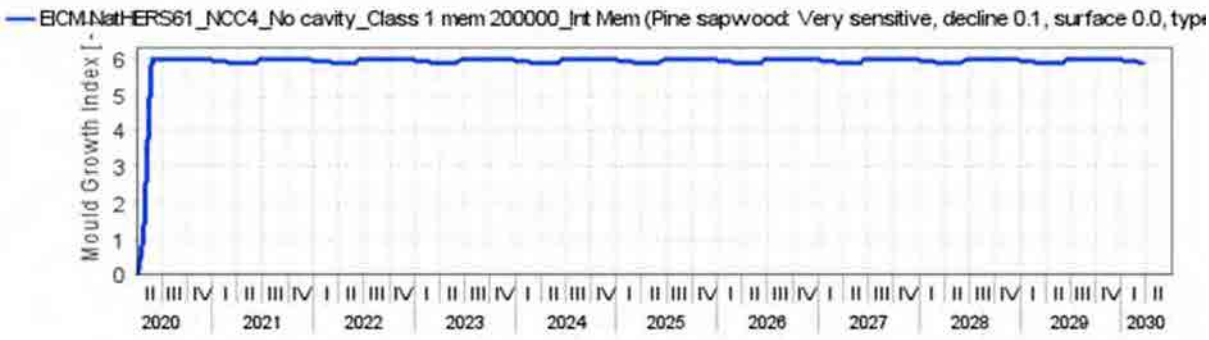

Figure 91: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

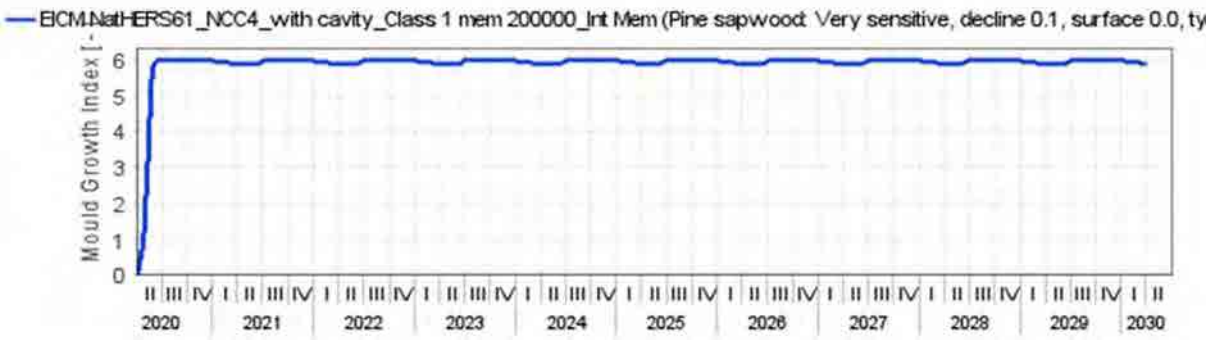

Figure 92: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

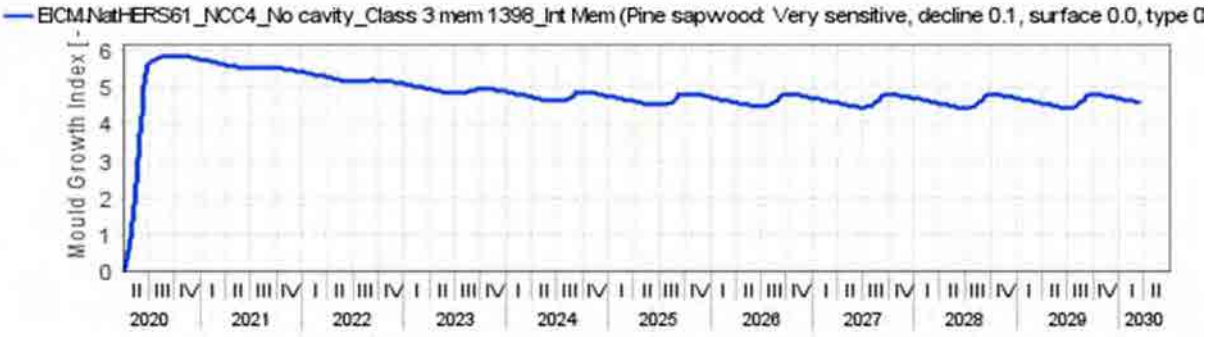

Figure 93: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

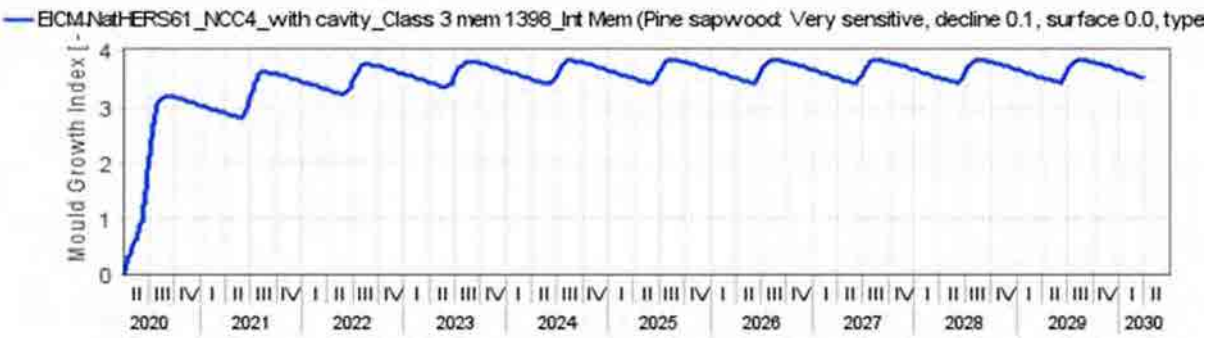

Figure 94: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

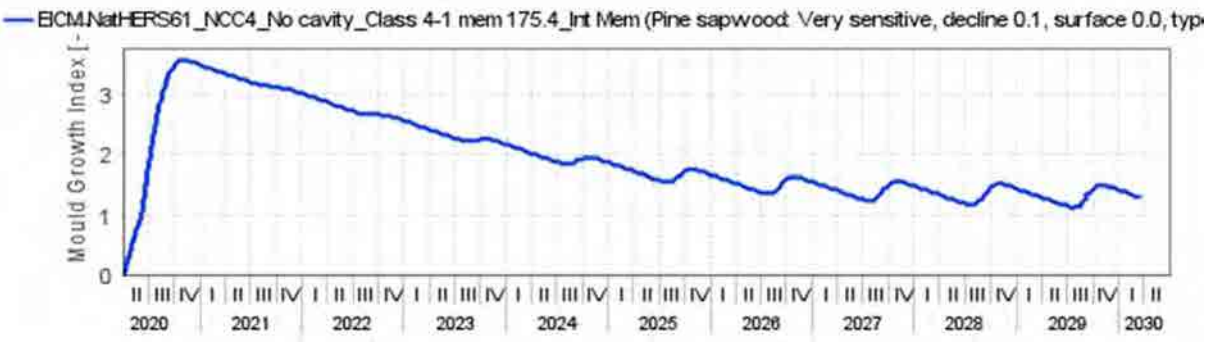

Figure 95: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

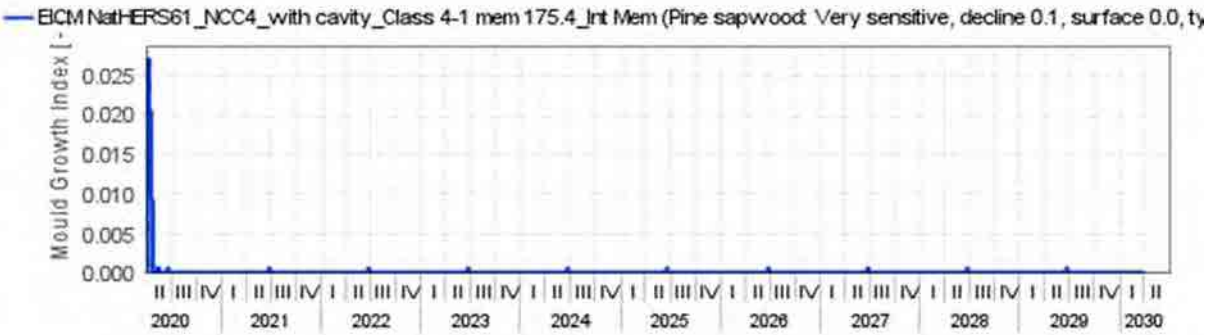

Figure 96: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

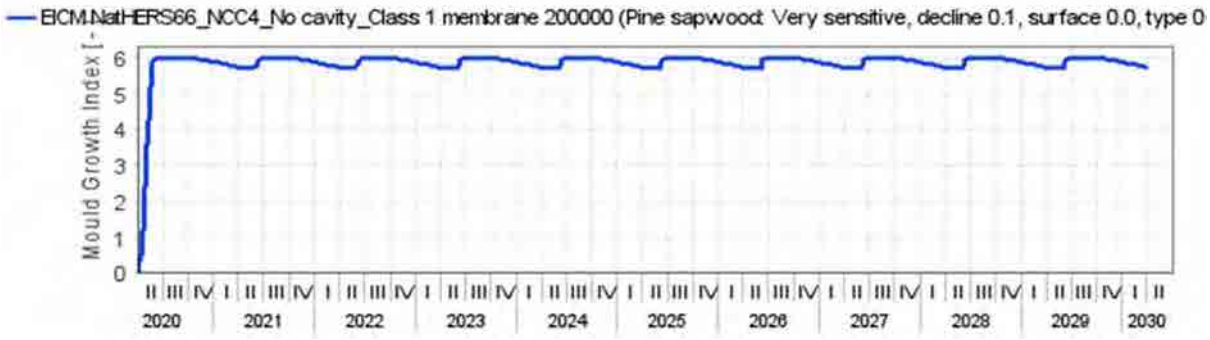

Figure 97: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

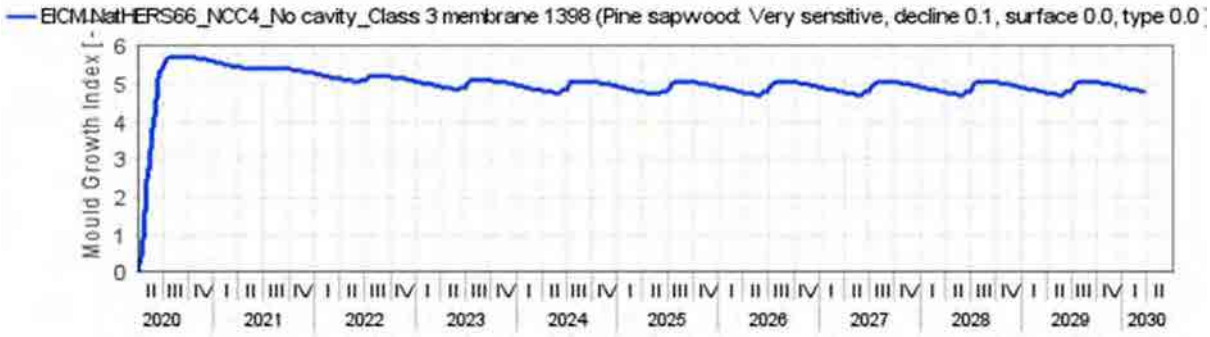

Figure 98: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

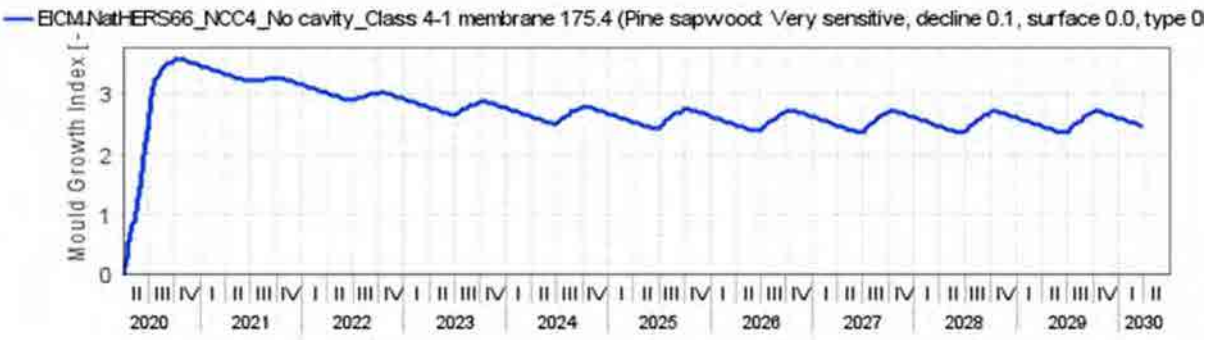

Figure 99: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

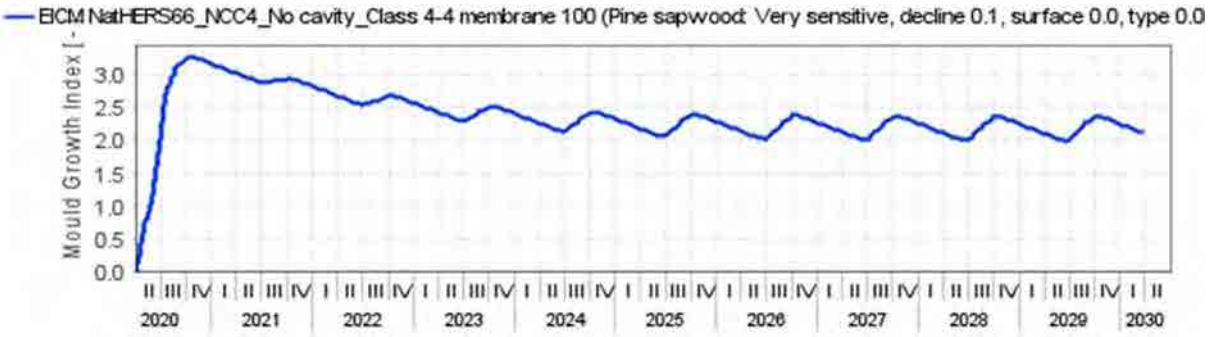

Figure 100 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

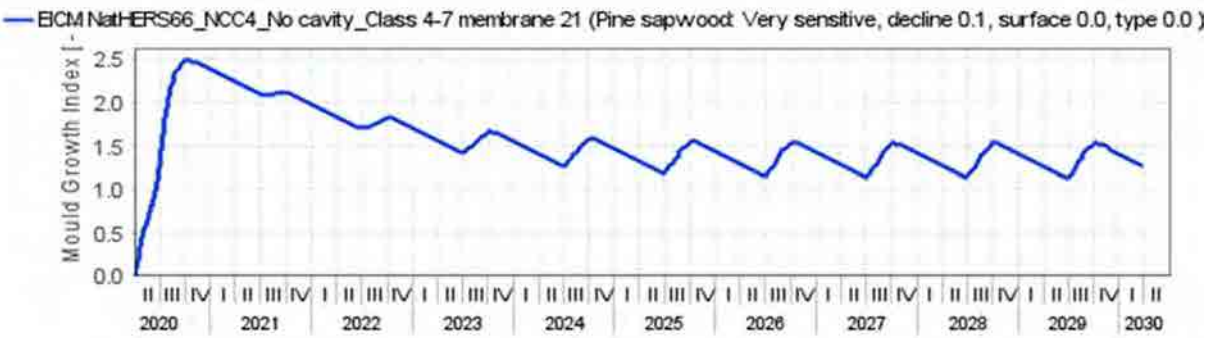

Figure 101: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

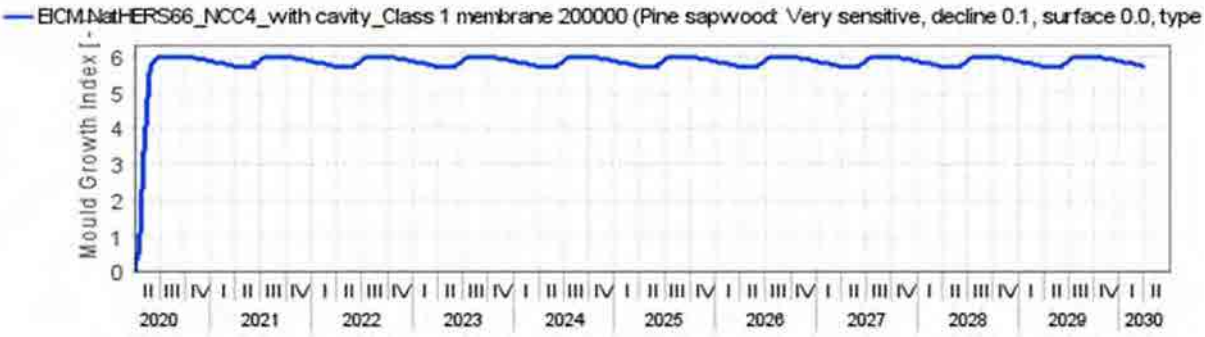

Figure 102: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

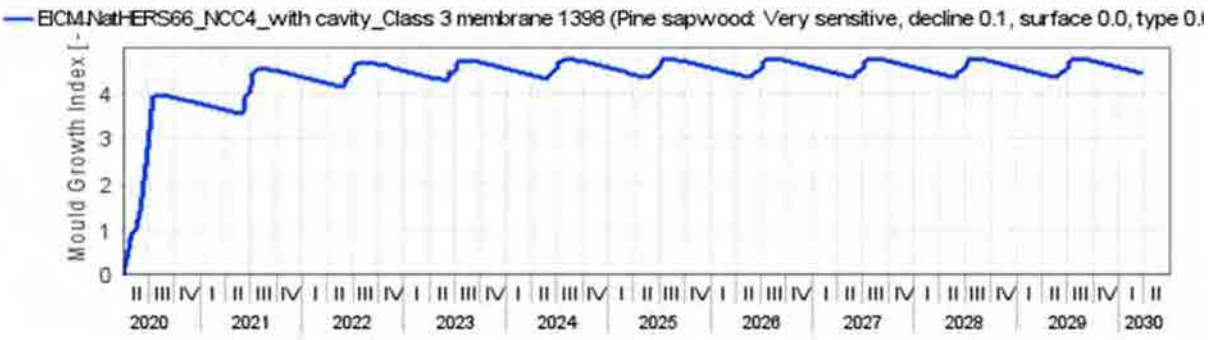

Figure 103: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

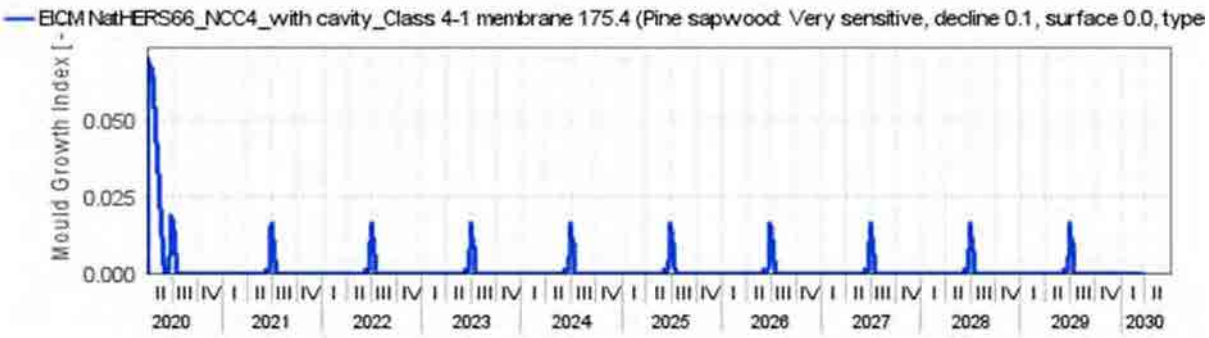

Figure 104: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

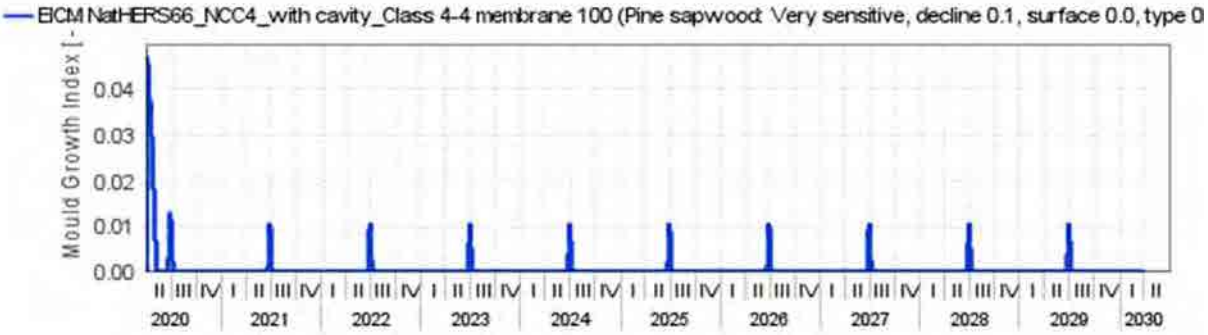

Figure 105 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

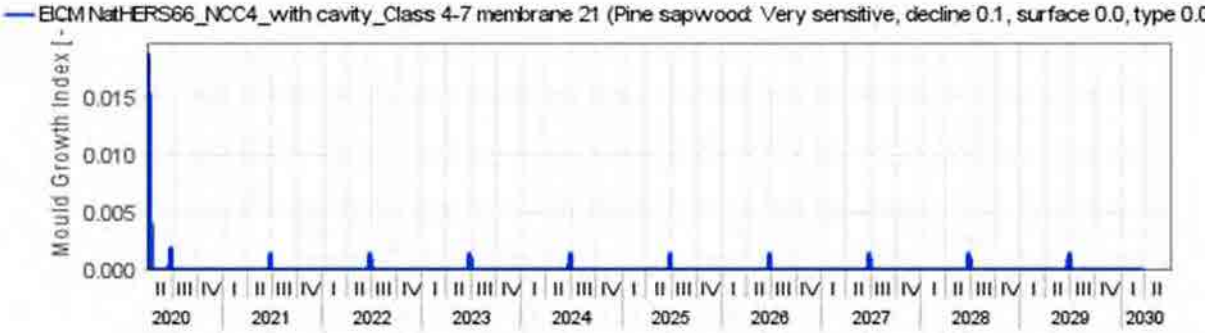

Figure 106: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

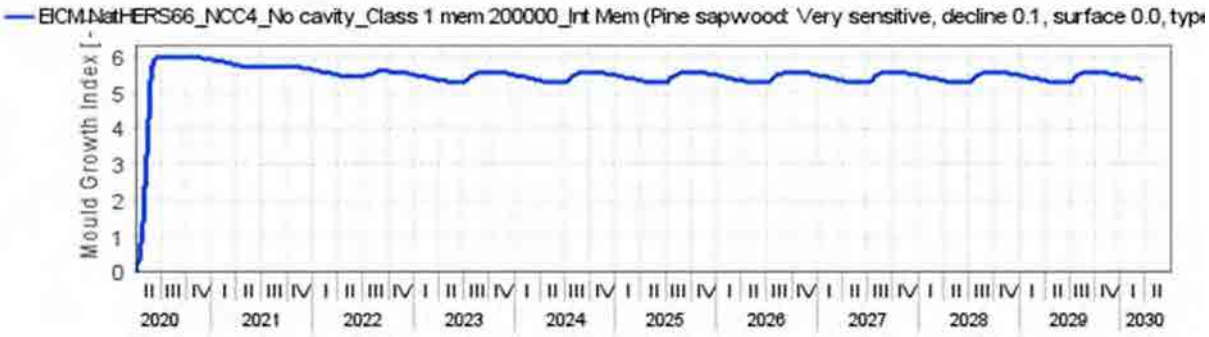

Figure 107: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

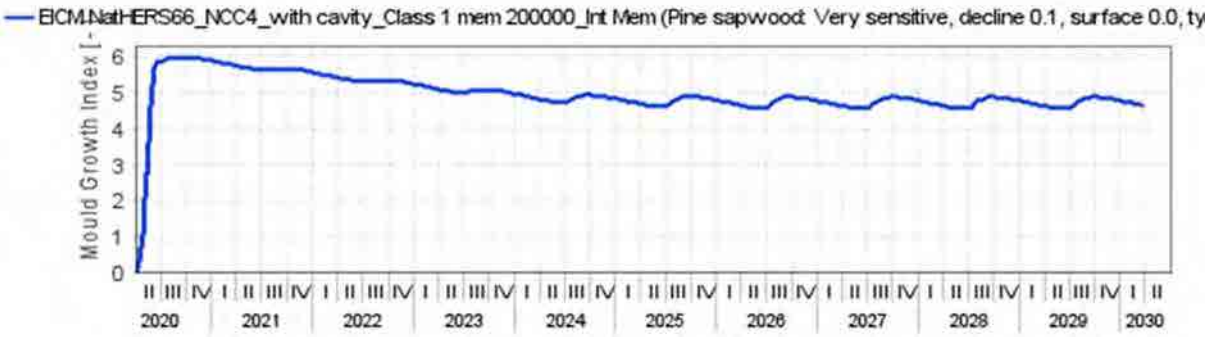

Figure 108: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

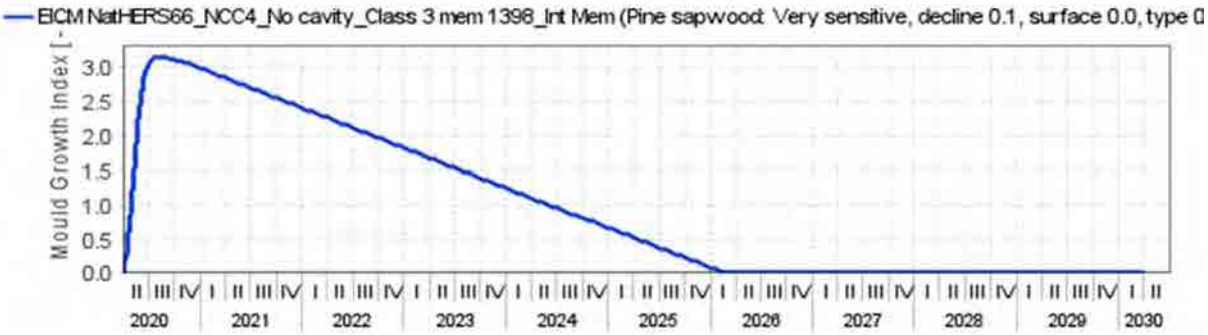

Figure 109: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

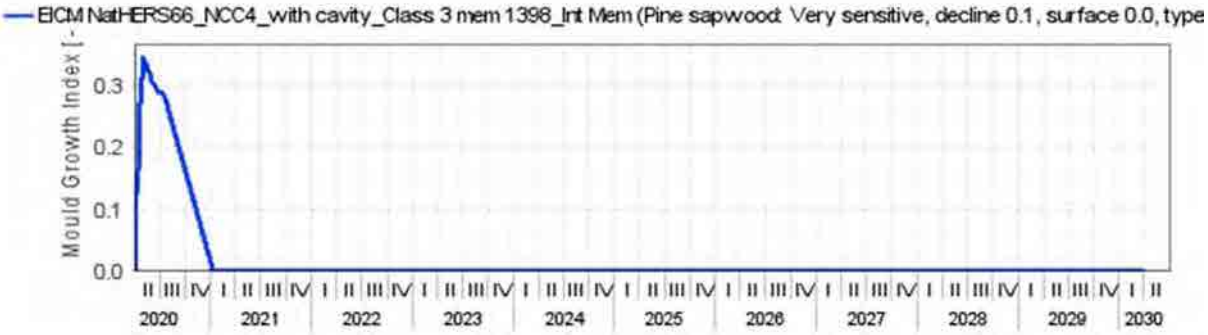

Figure 110: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

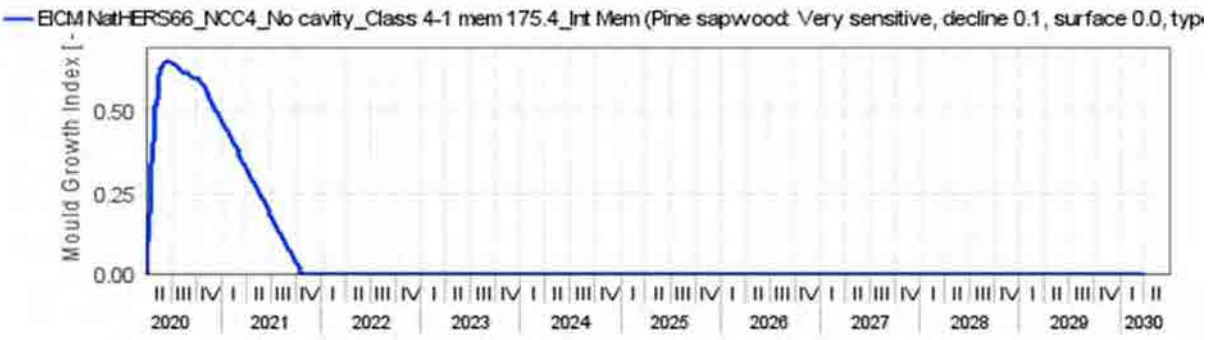

Figure 111: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

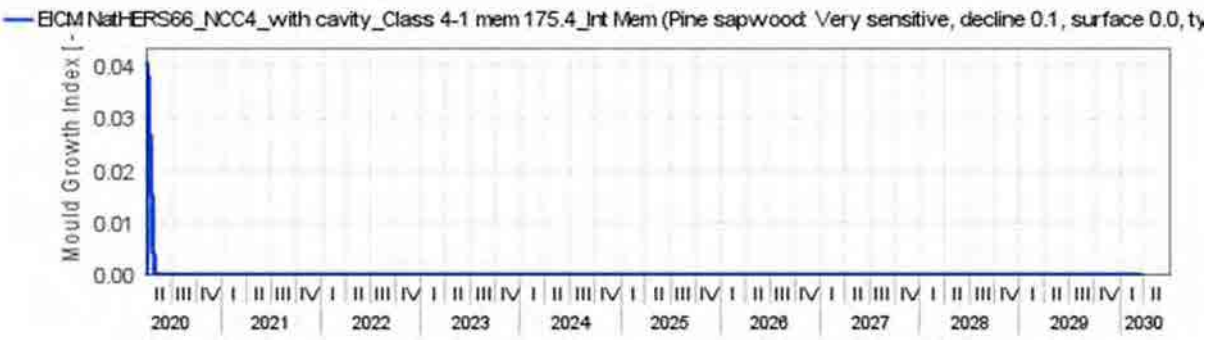

Figure 112: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

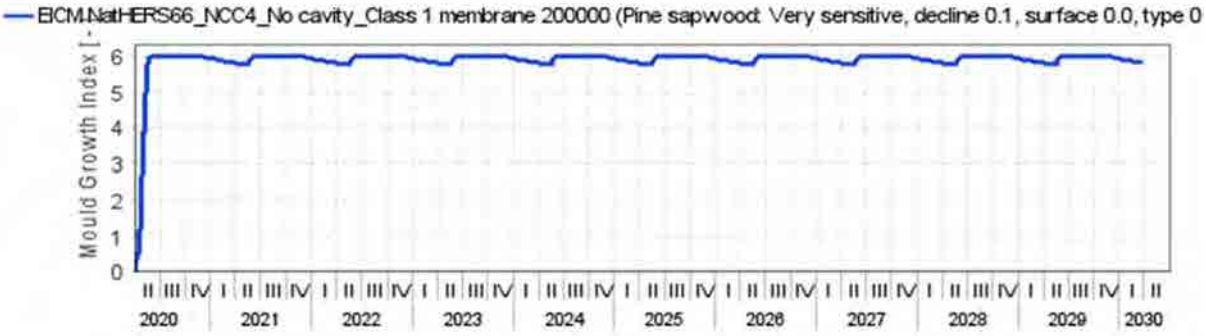

Figure 113: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

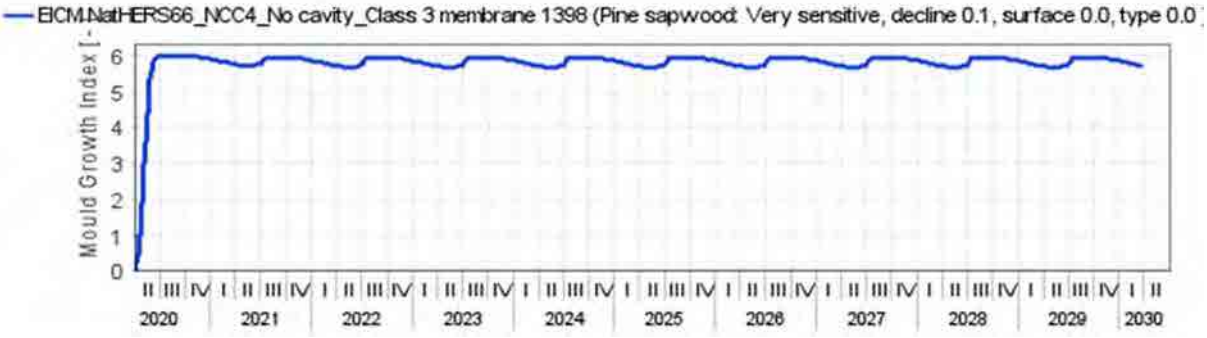

Figure 114: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

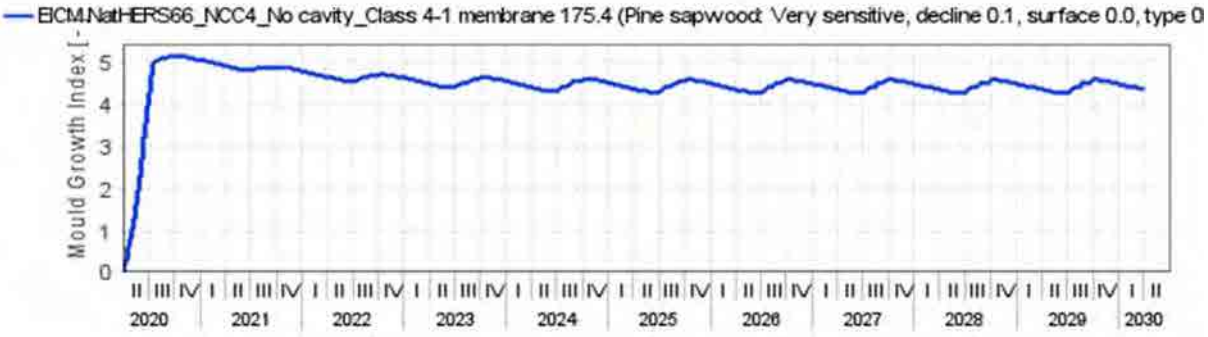

Figure 115: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

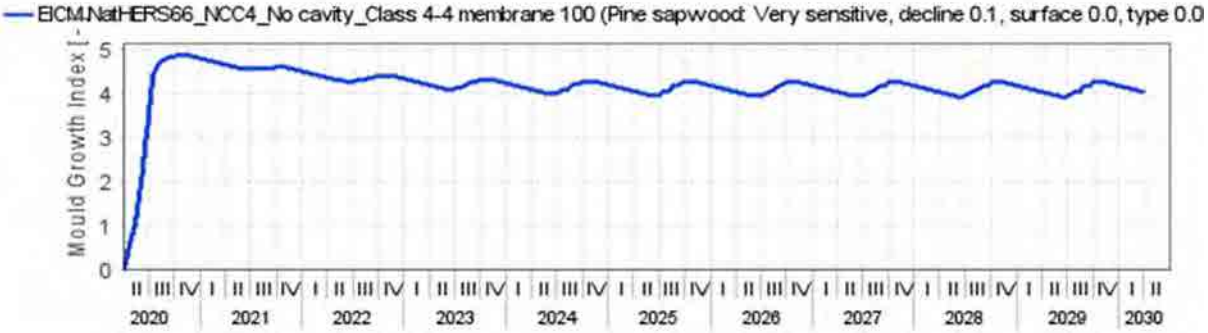

Figure 116 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

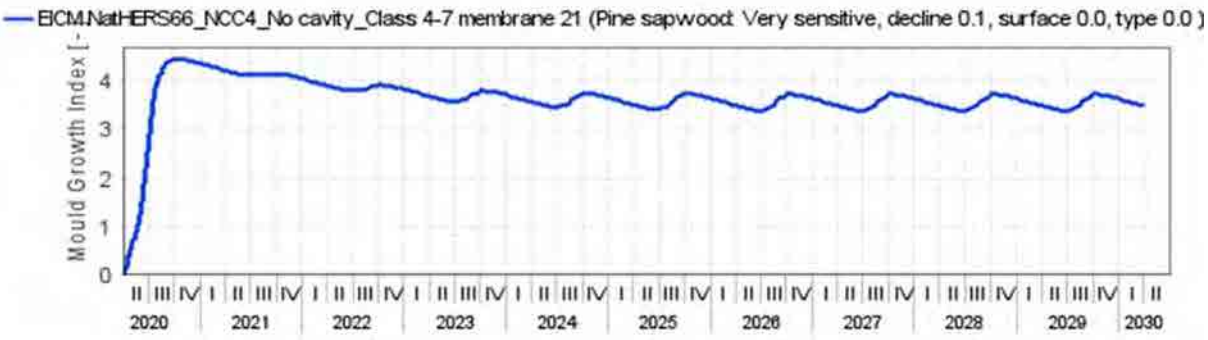

Figure 117: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

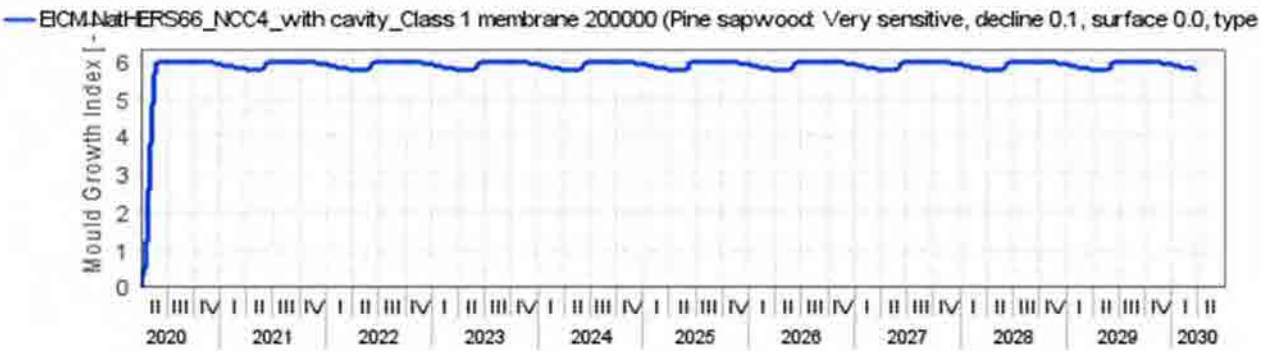

Figure 118: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

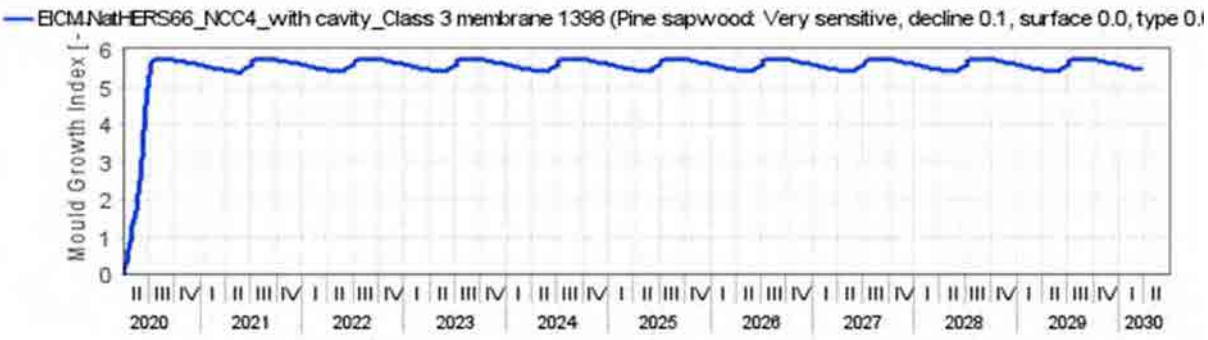

Figure 119: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

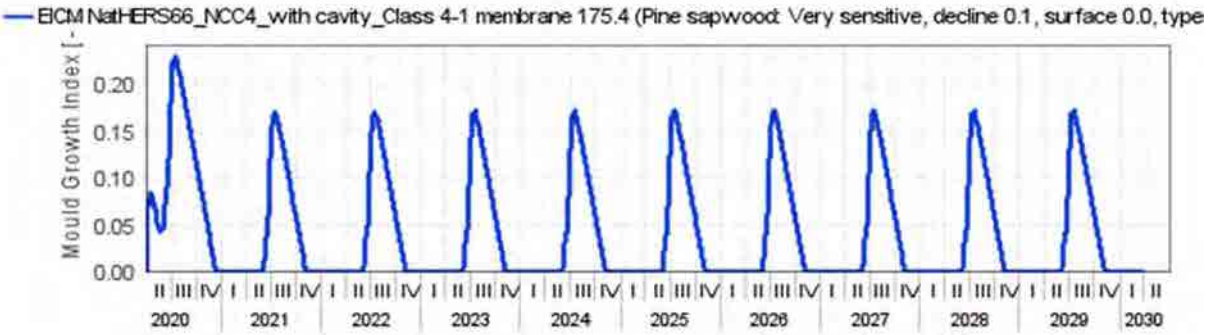

Figure 120: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

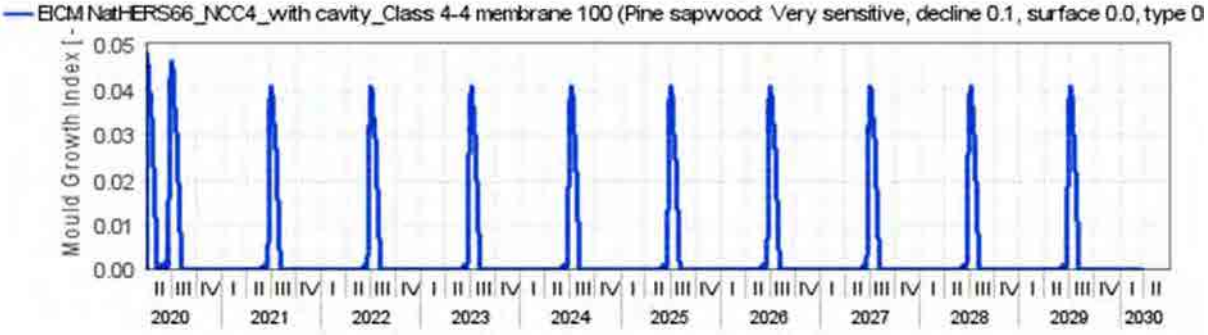

Figure 121 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

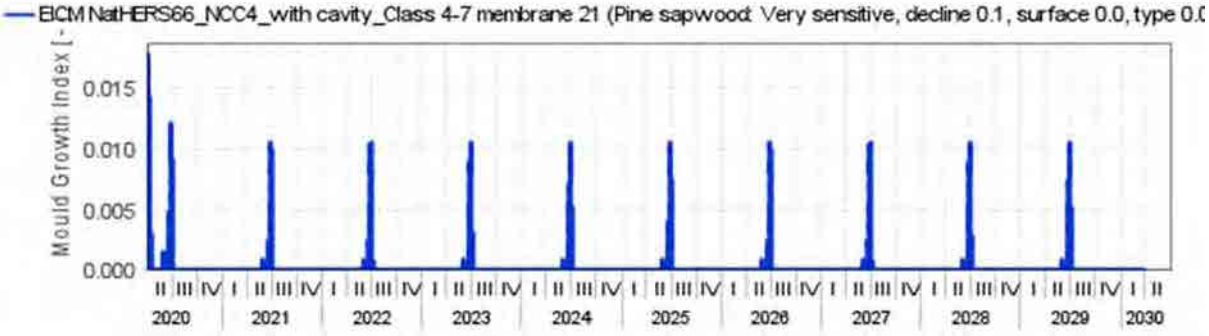

Figure 122: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

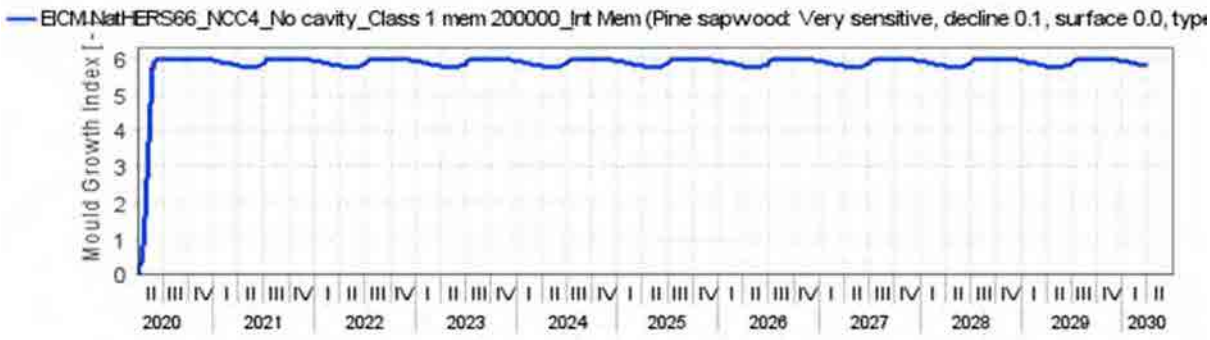

Figure 123: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

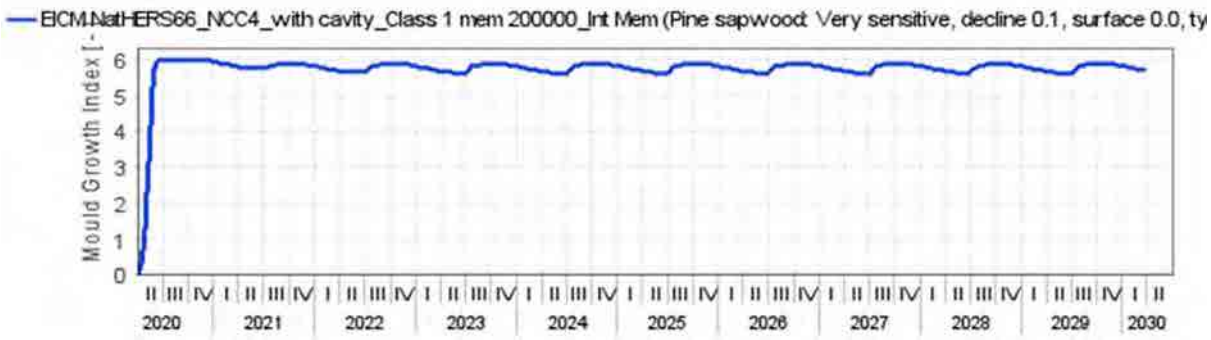

Figure 124: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

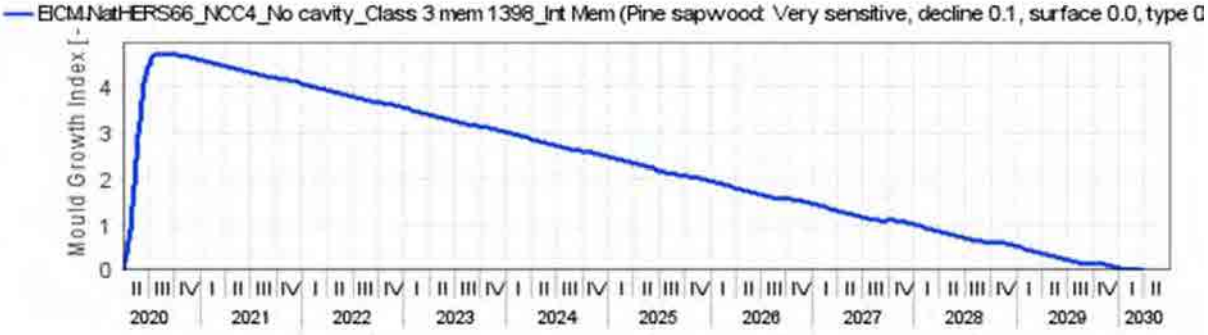

Figure 125: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

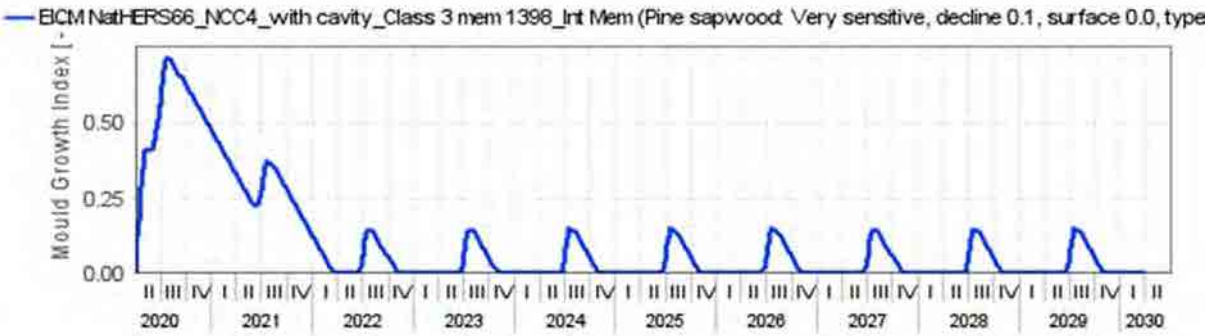

Figure 126: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

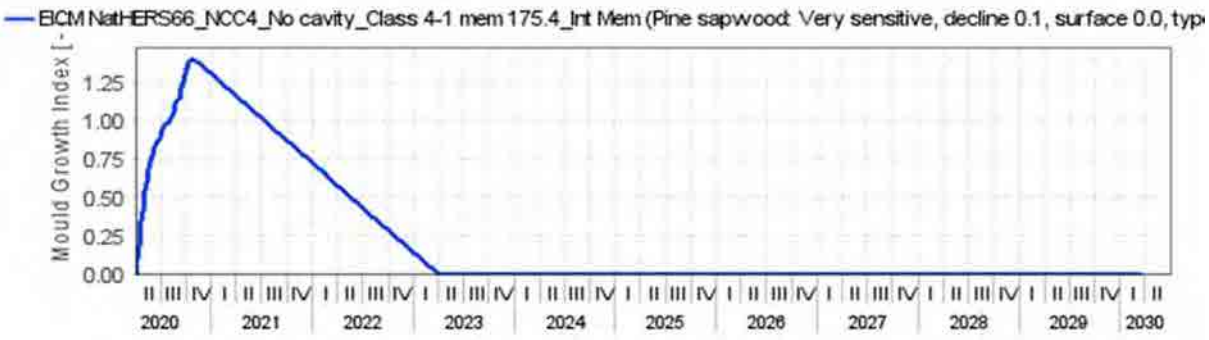

Figure 127: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

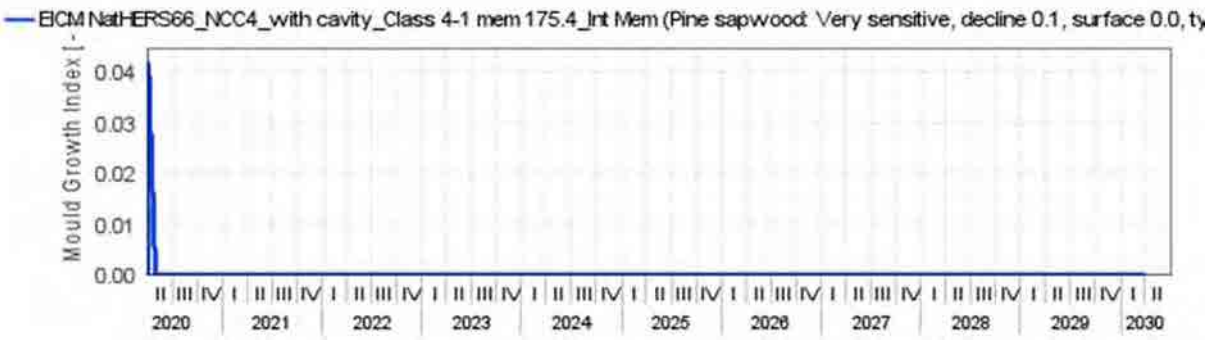

Figure 128: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

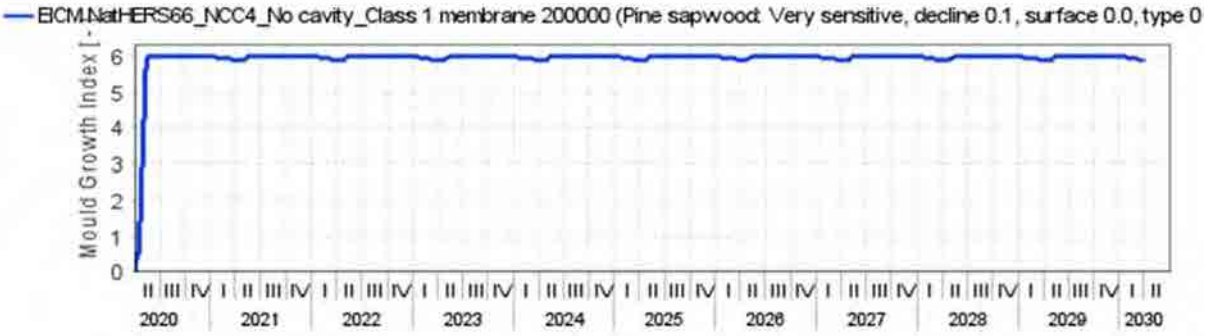

Figure 129: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

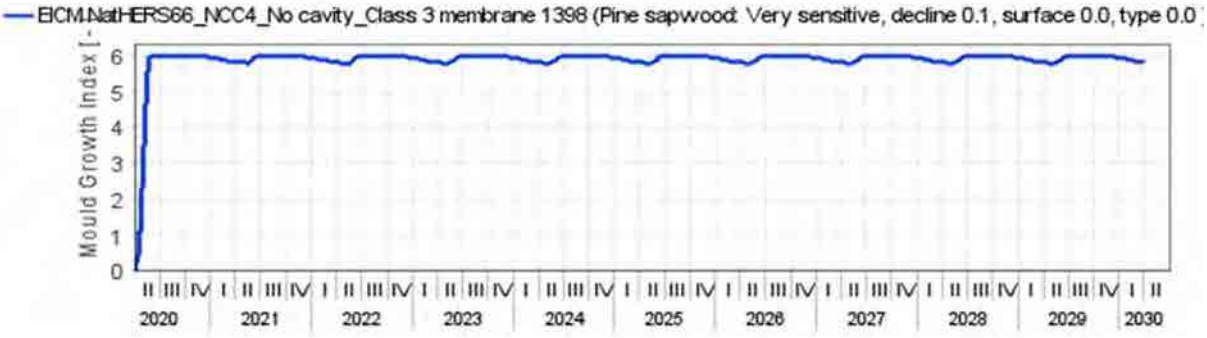

Figure 130: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

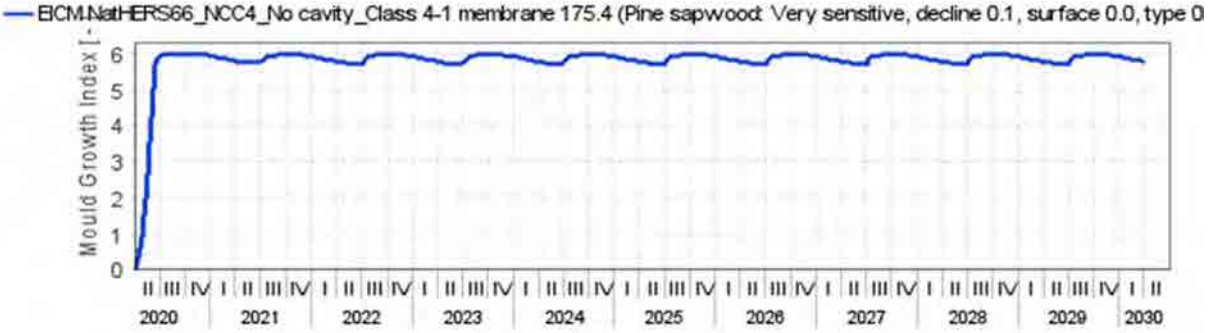

Figure 131: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

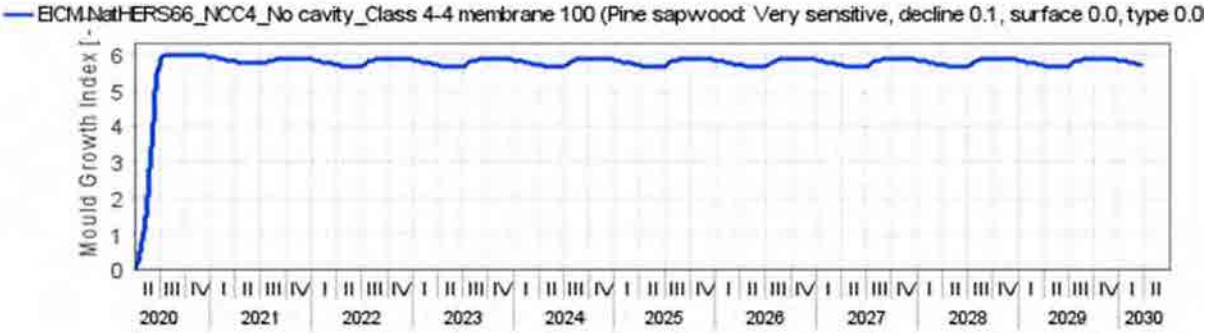

Figure 132 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

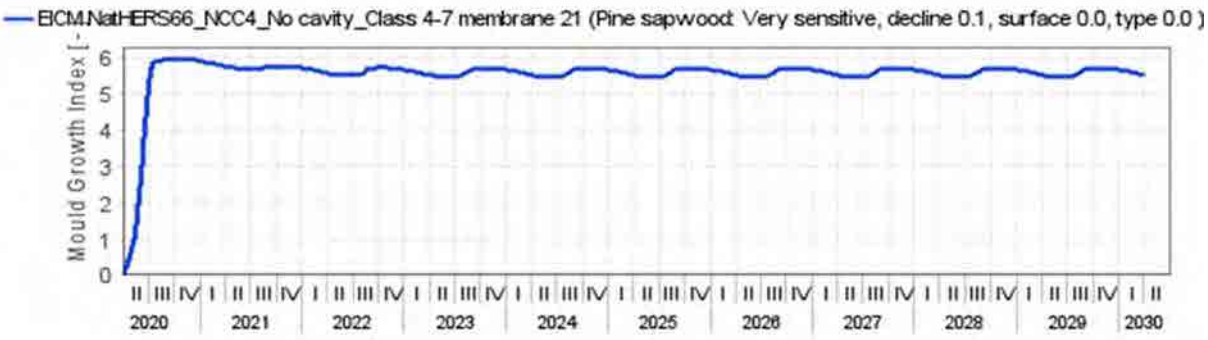

Figure 133: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

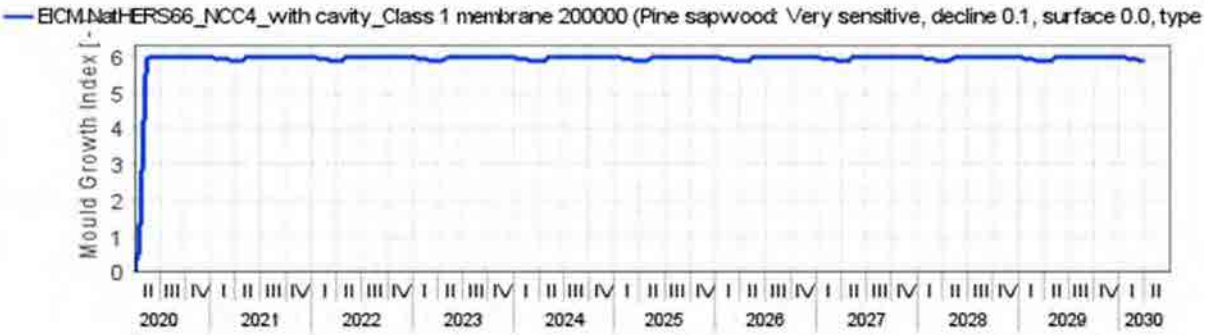

Figure 134: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

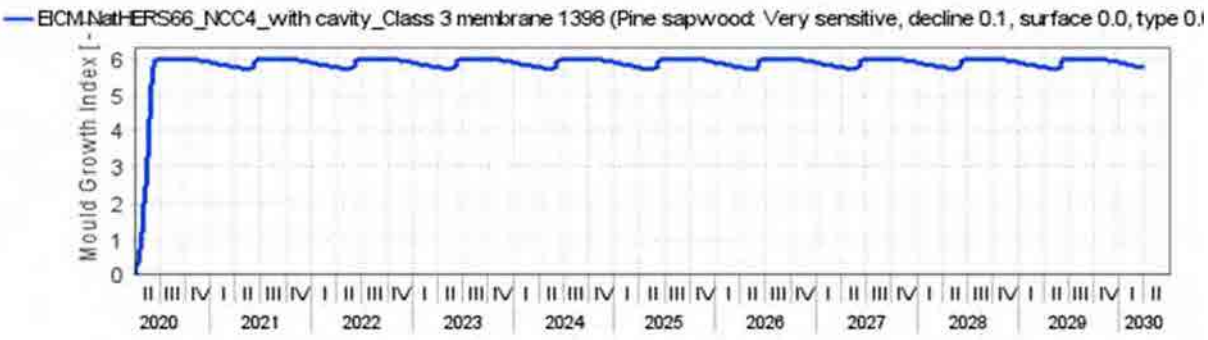

Figure 135: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

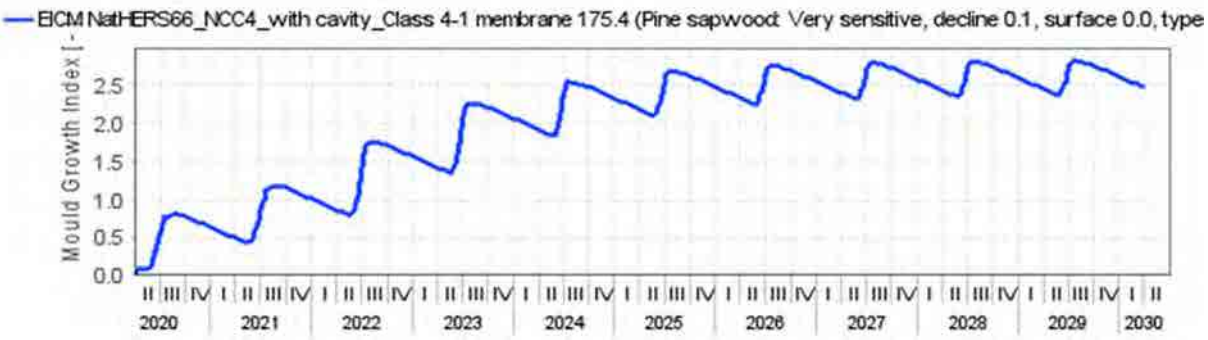

Figure 136: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

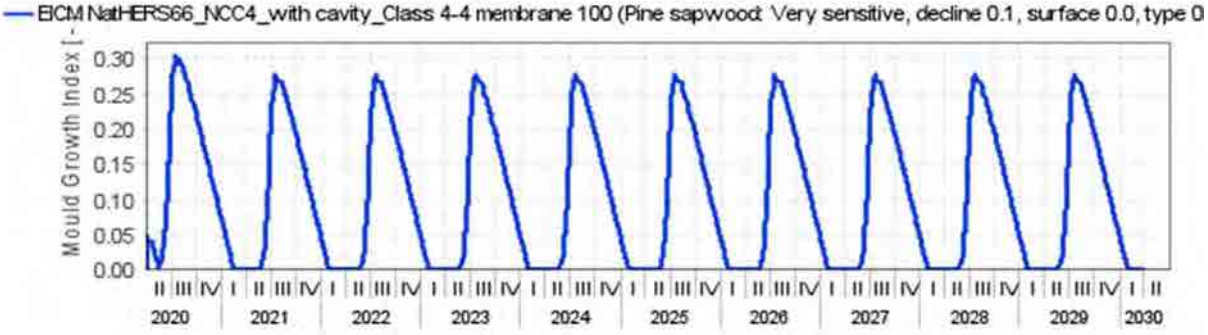

Figure 137 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

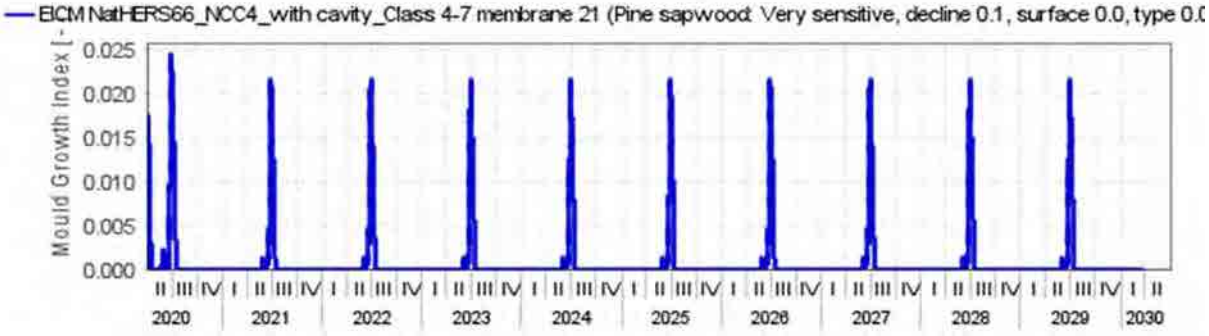

Figure 138: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

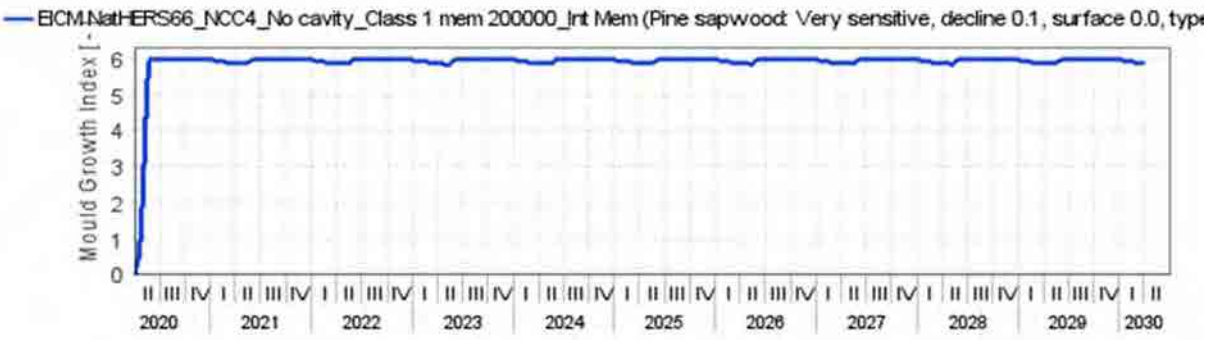

Figure 139: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane Class 1 – 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

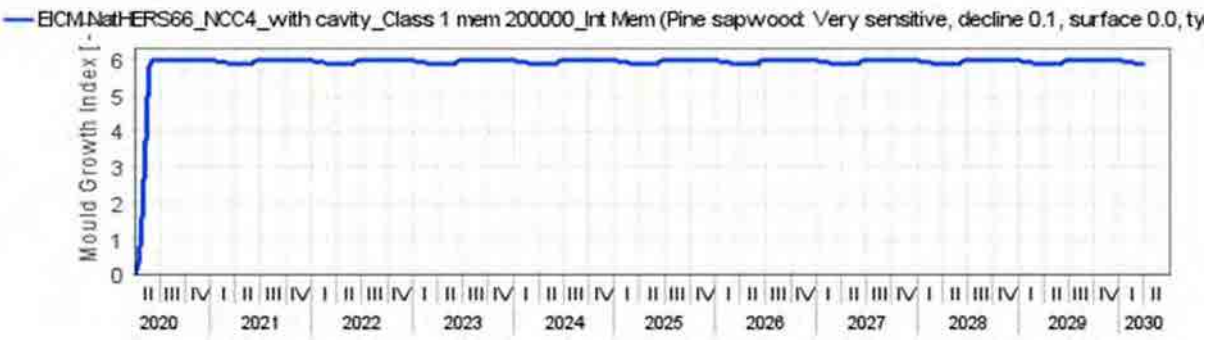

Figure 140: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1 – 200000 with Int. Memb. Mould growth within insulated timber frame

13. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

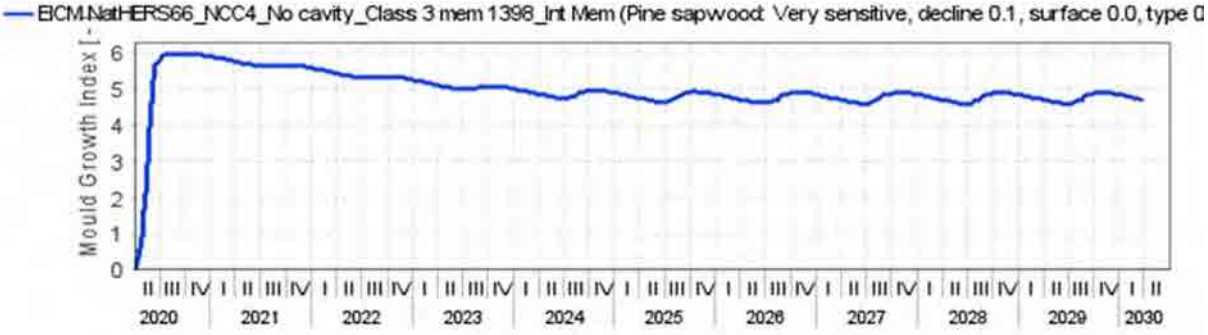

Figure 141: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

14. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 142: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

15. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

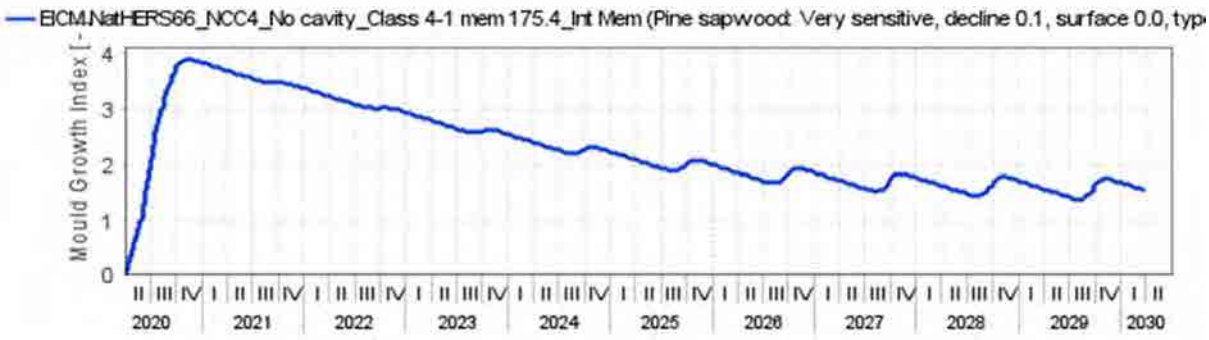

Figure 143: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

16. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

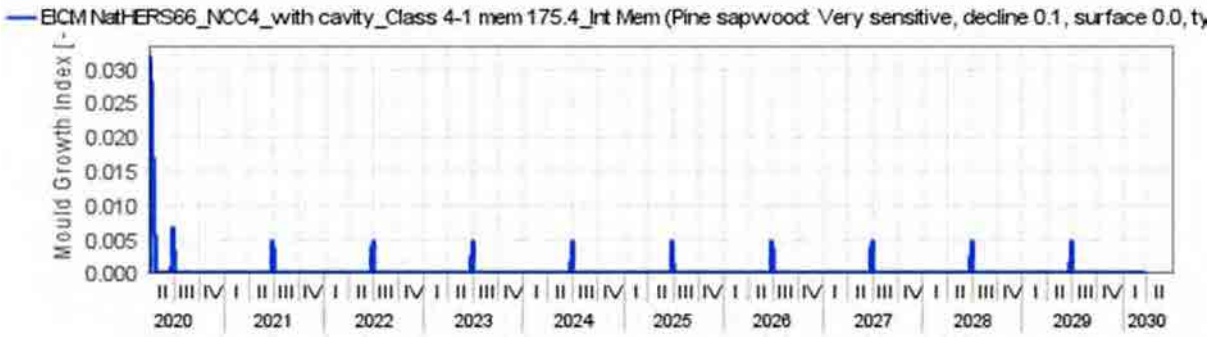

Figure 144: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NCC CZ6

NatHERS CZ 21, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

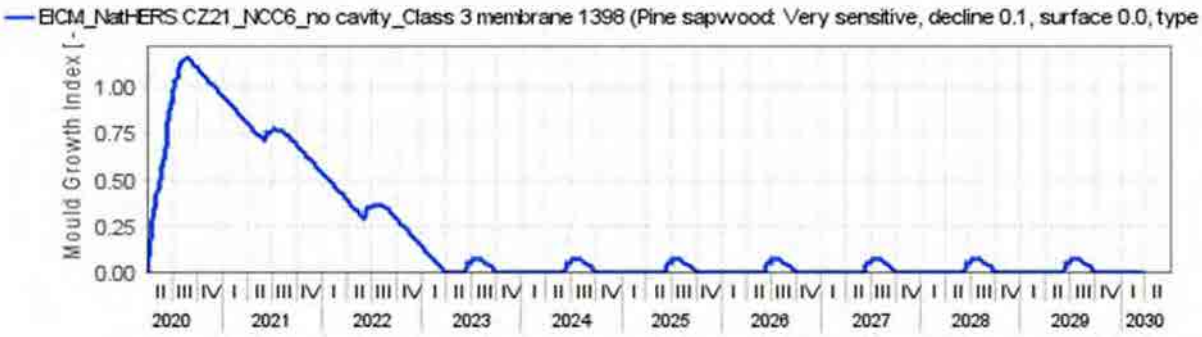

Figure 145: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

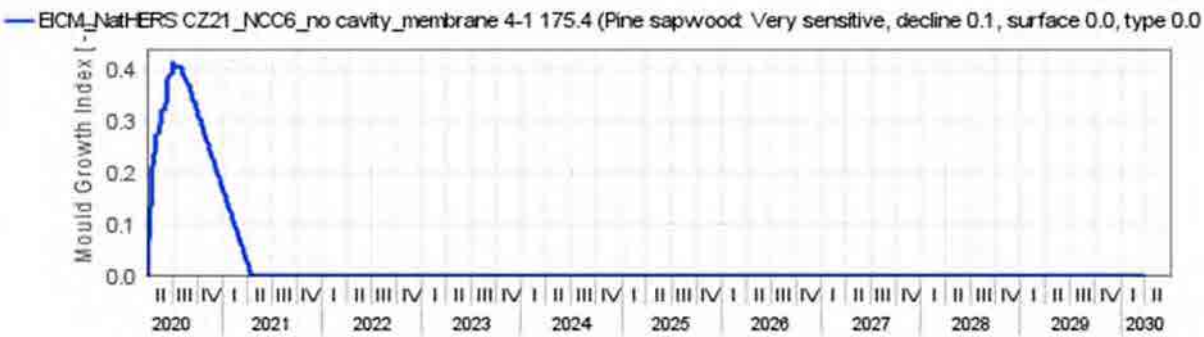

Figure 146: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

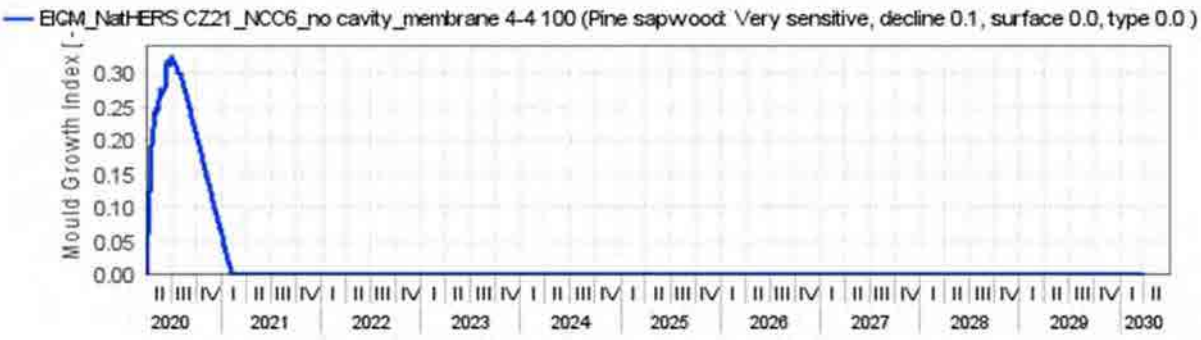

Figure 147 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

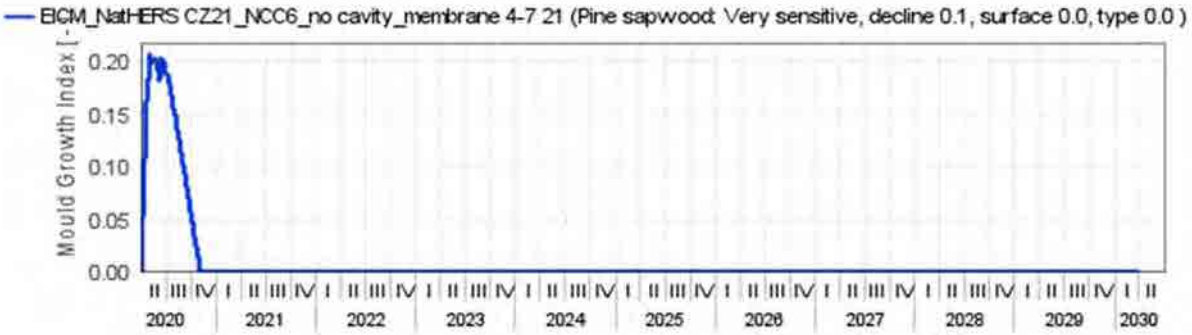

Figure 148: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

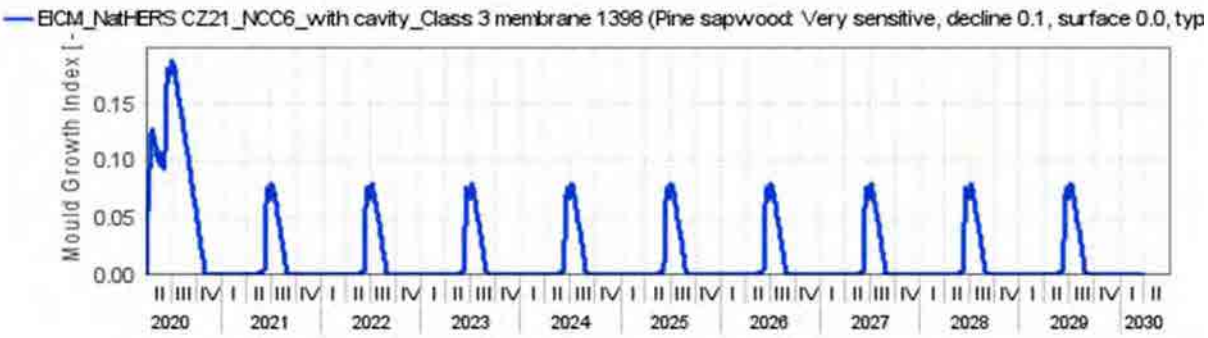

Figure 149: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

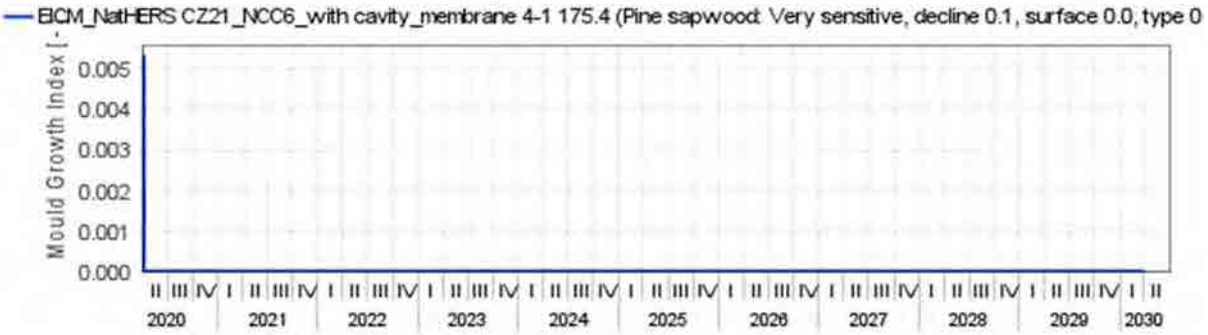

Figure 150: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

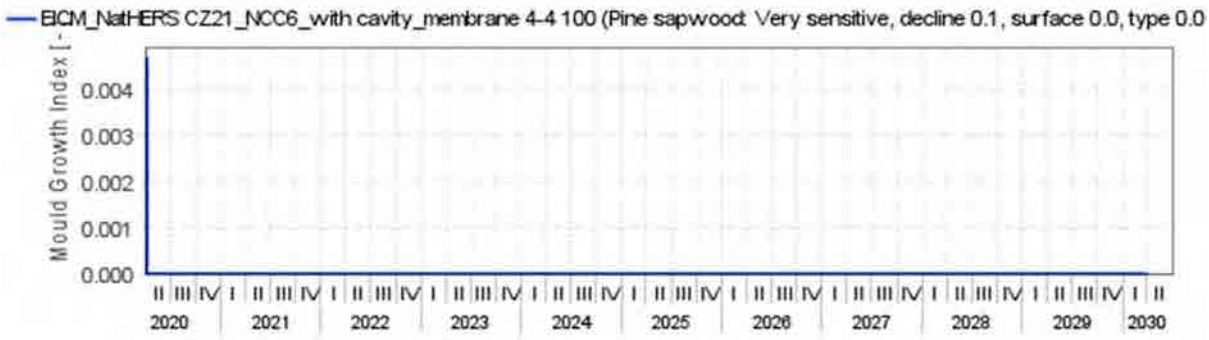

Figure 151 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

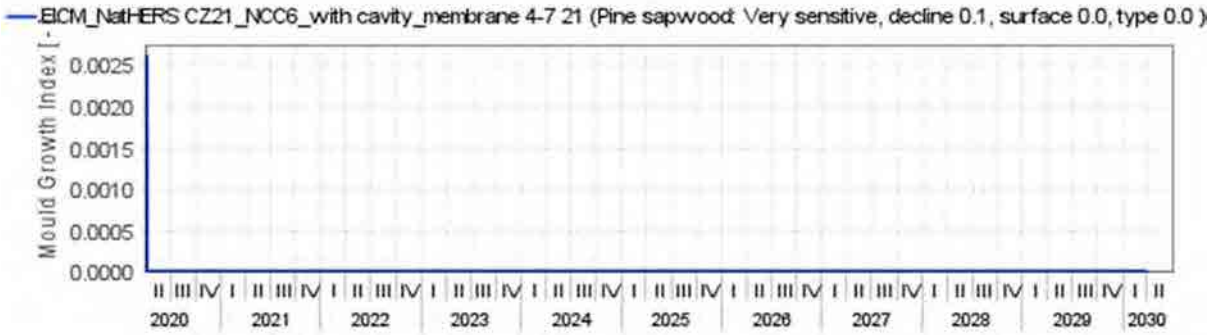

Figure 152: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

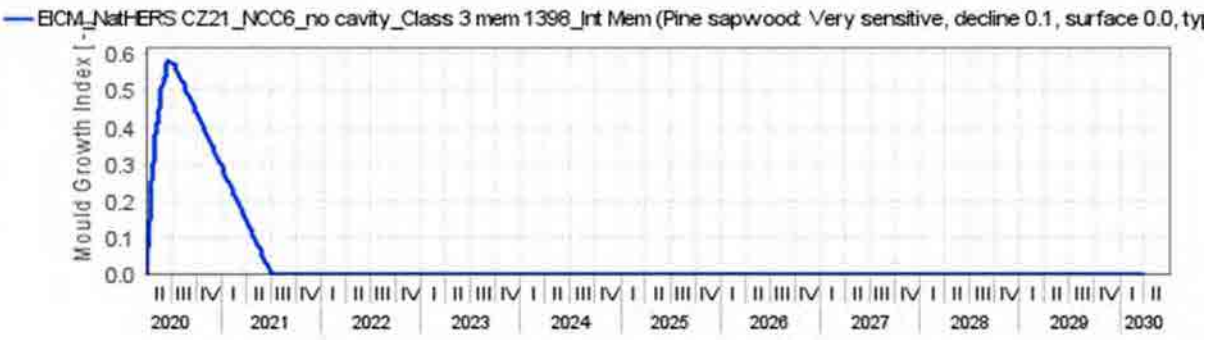

Figure 153: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

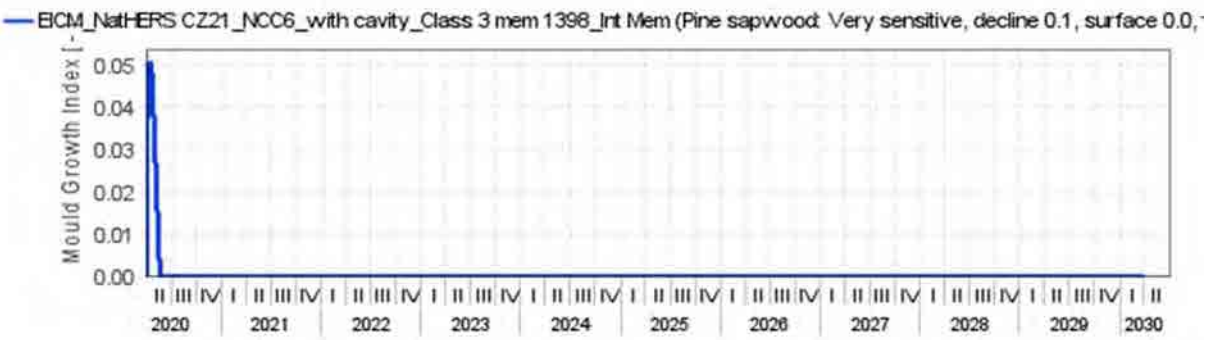

Figure 154: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

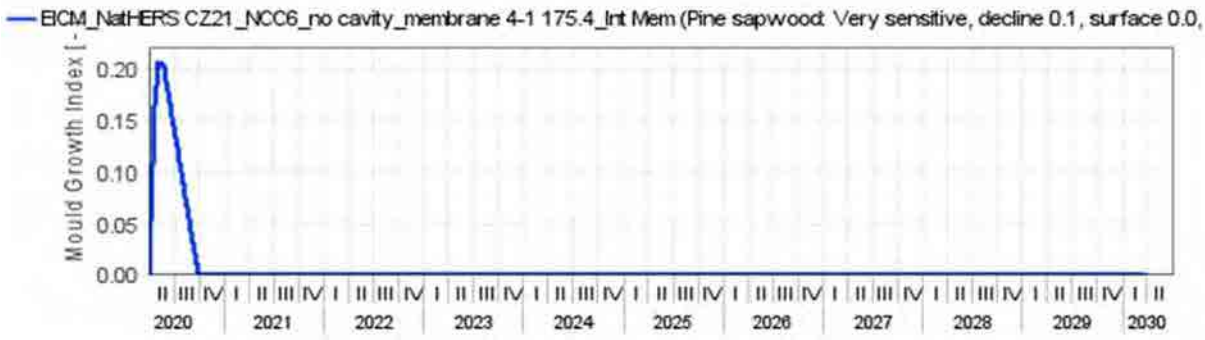

Figure 155: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

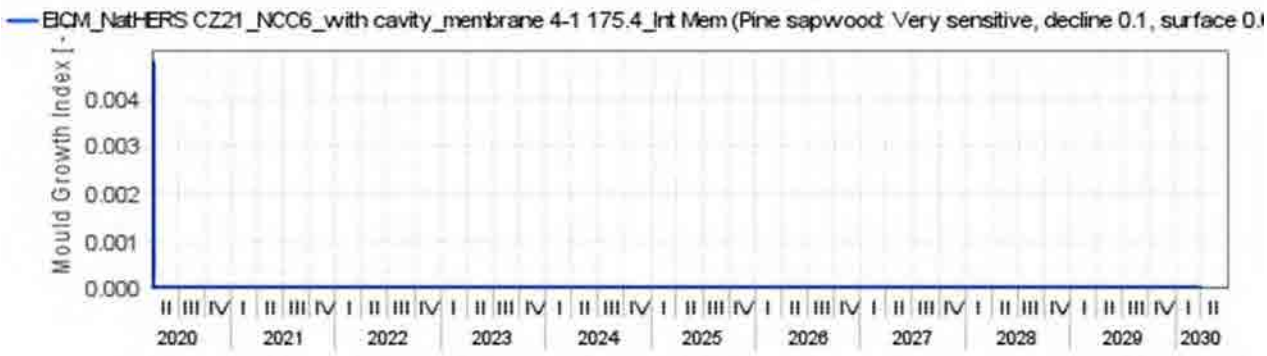

Figure 156: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

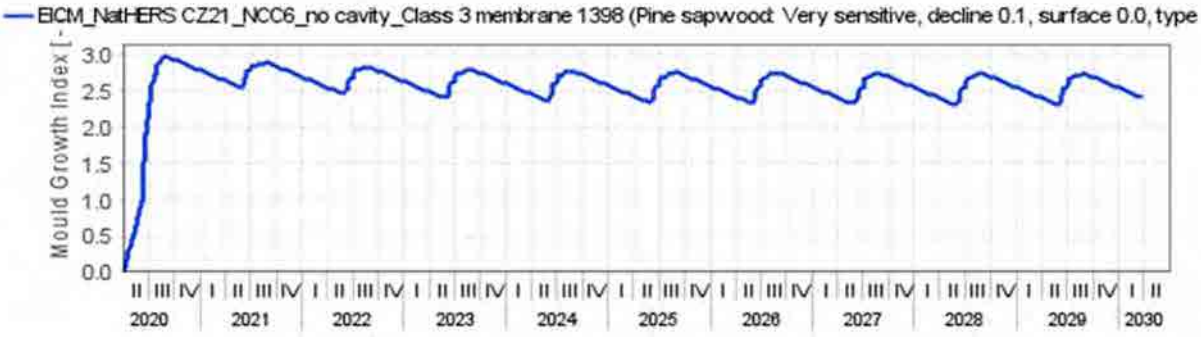

Figure 157: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

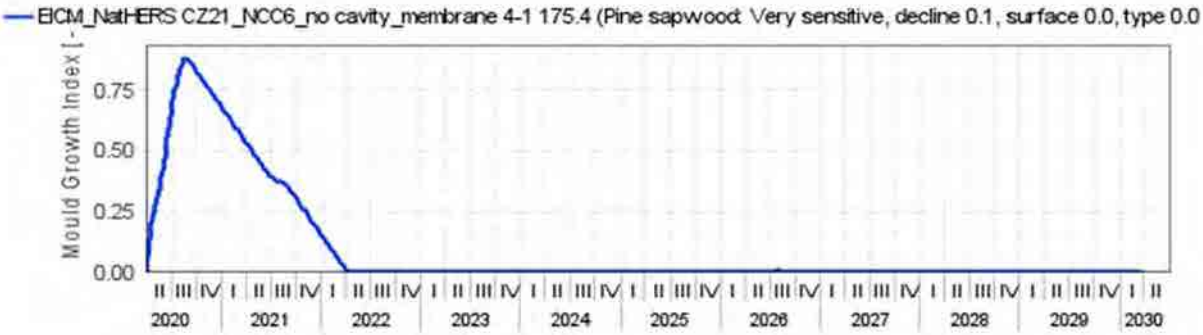

Figure 158: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

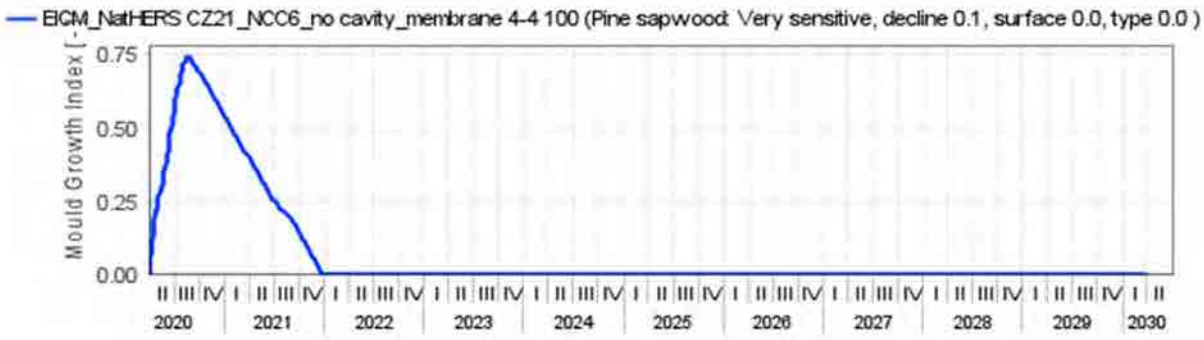

Figure 159 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

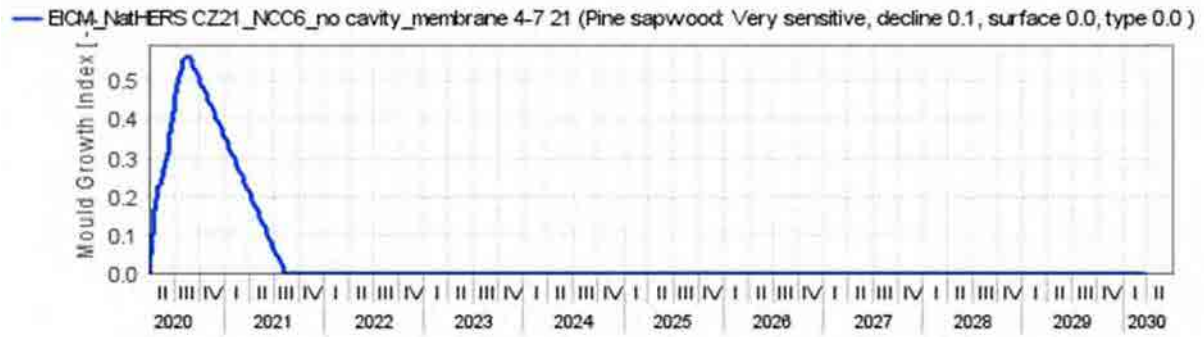

Figure 160: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

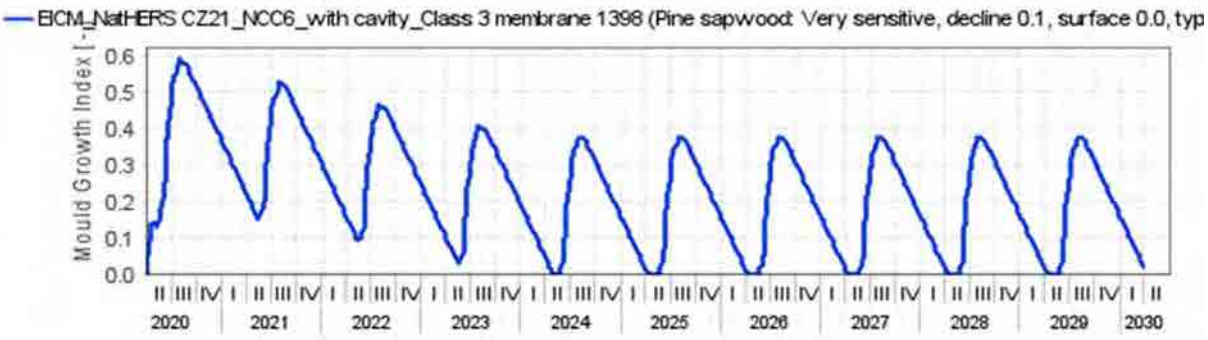

Figure 161: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

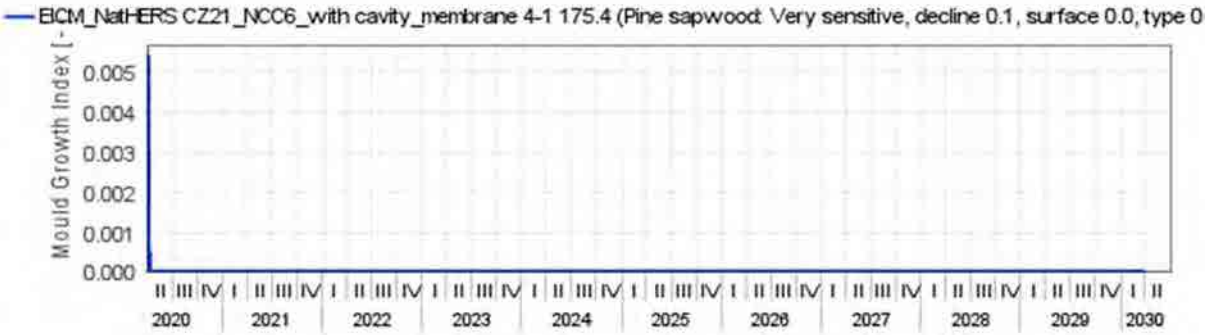

Figure 162: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

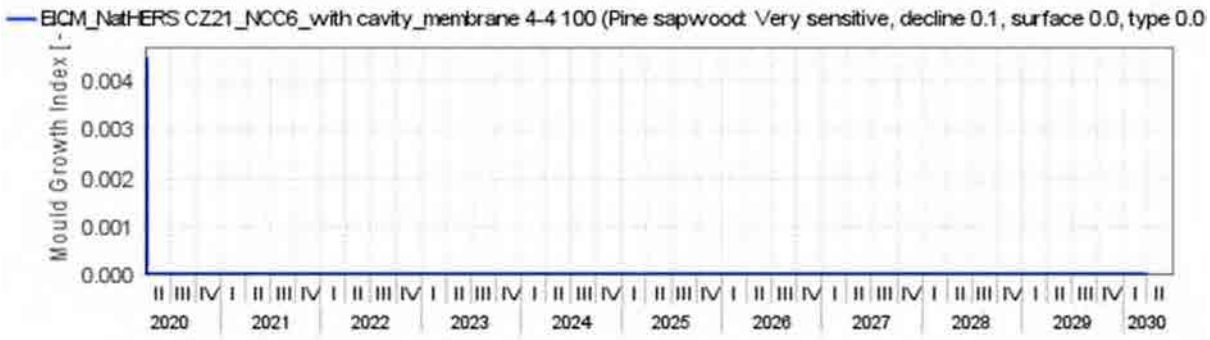

Figure 163 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

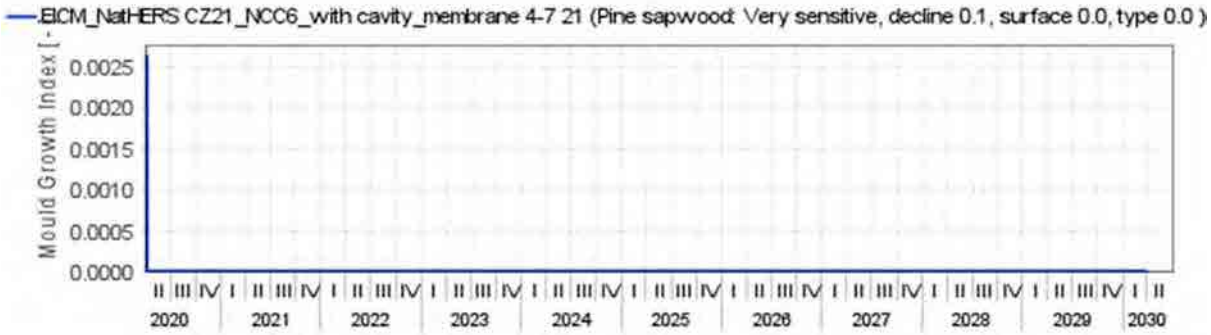

Figure 164: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

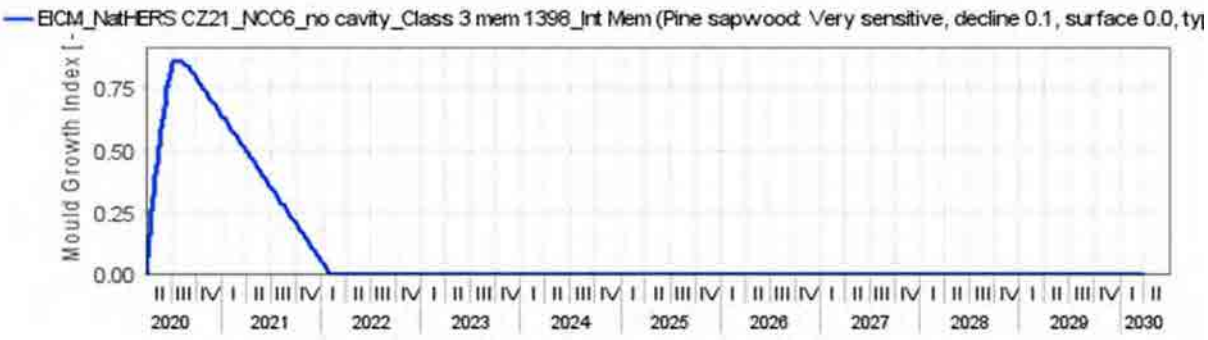

Figure 165: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

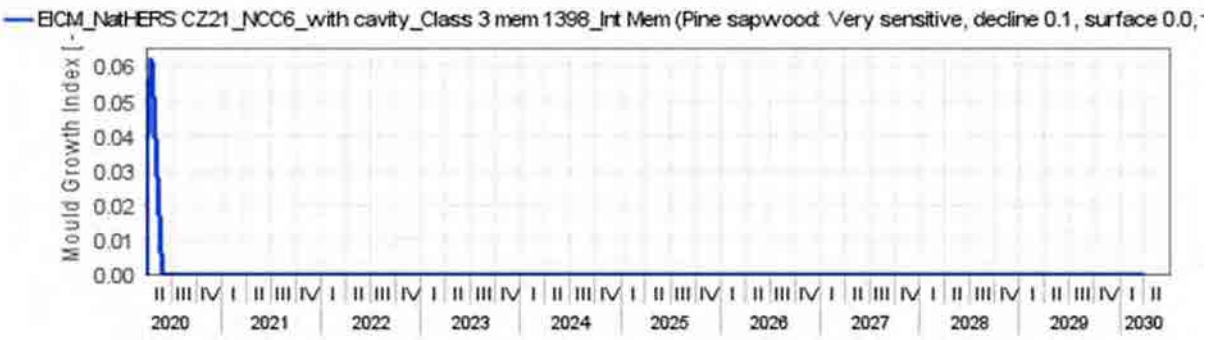

Figure 166: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

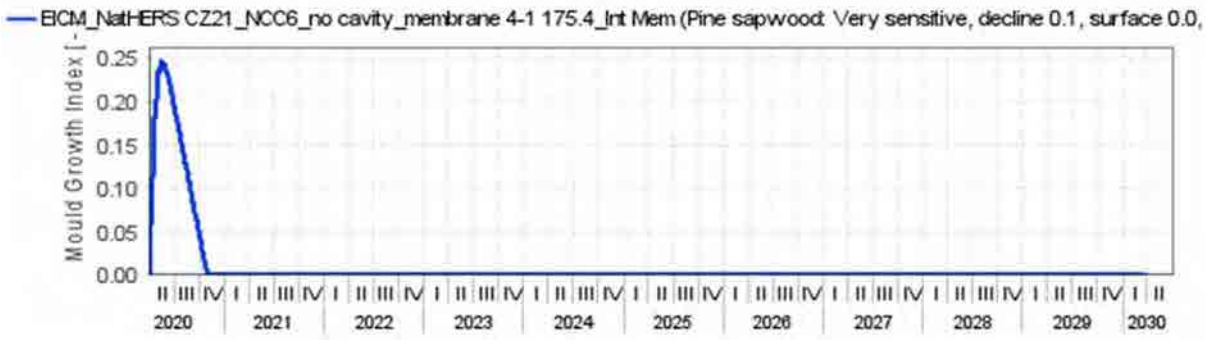

Figure 167: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

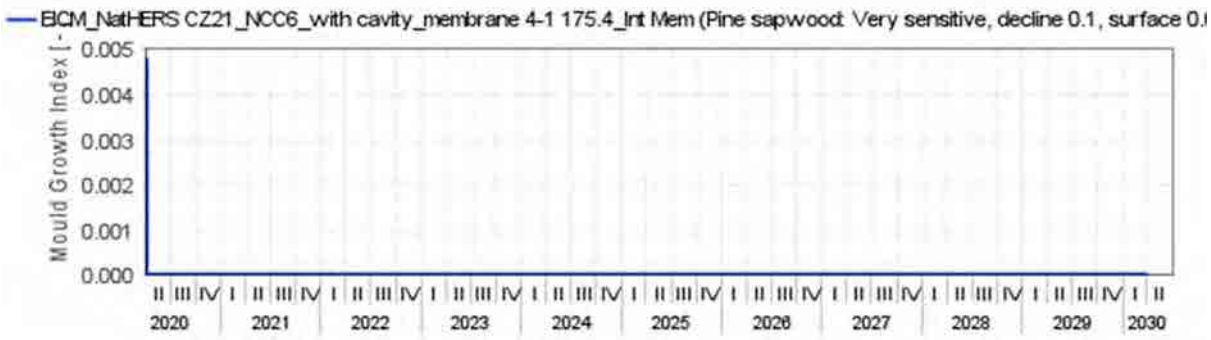

Figure 168: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

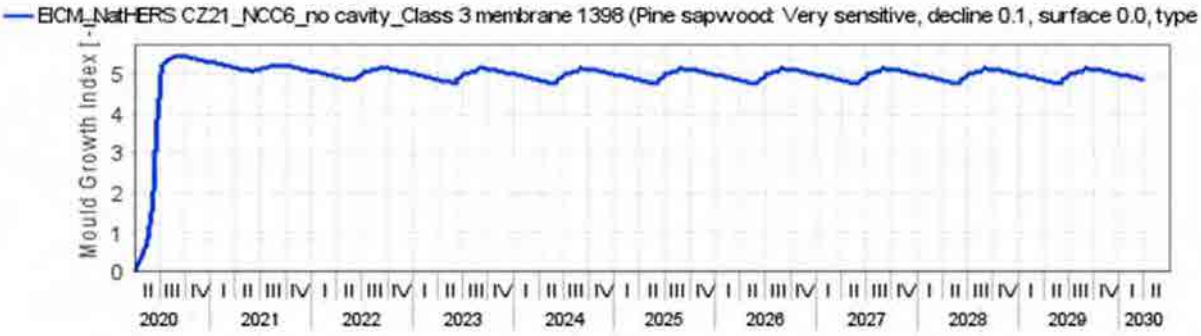

Figure 169: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

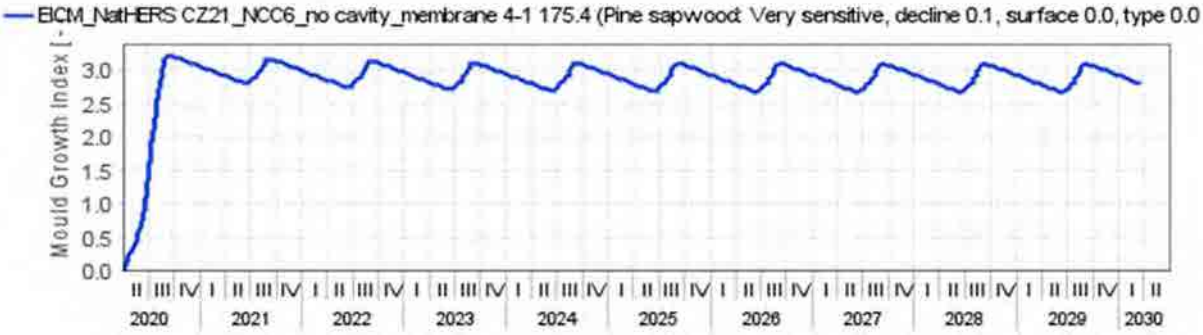

Figure 170: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

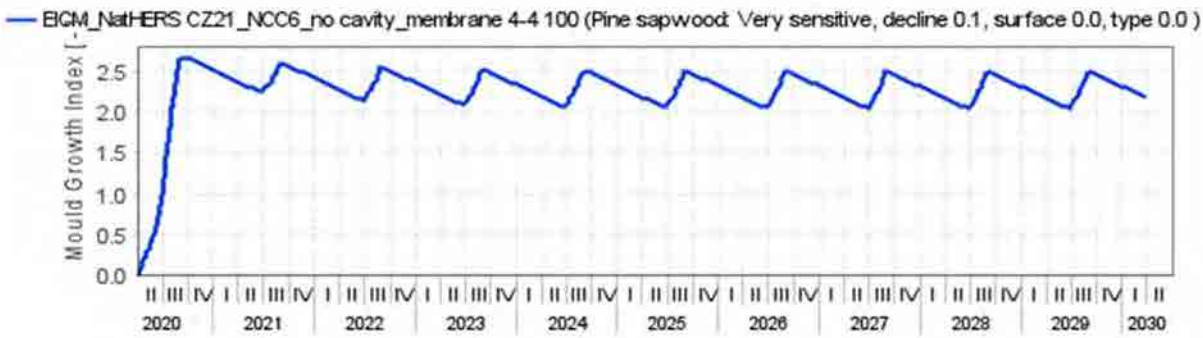

Figure 171 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

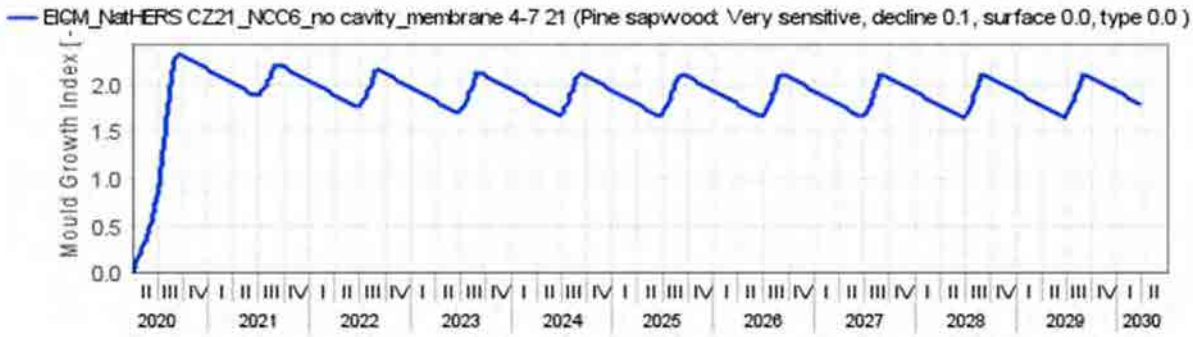

Figure 172: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

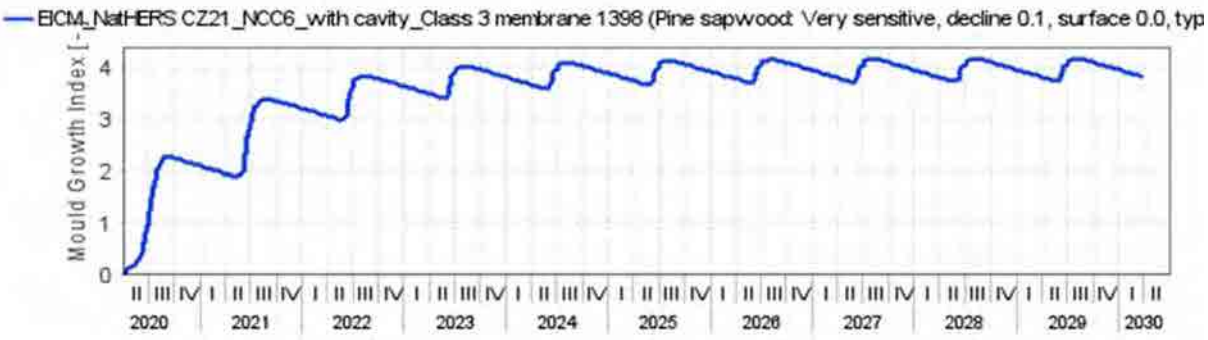

Figure 173: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

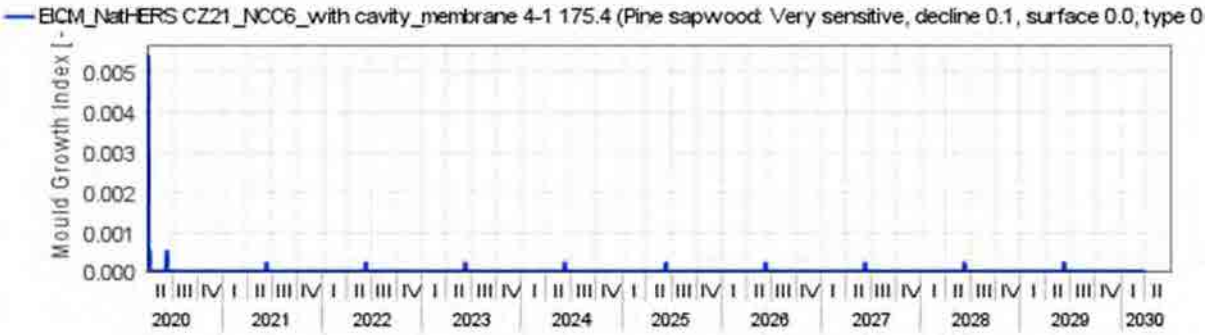

Figure 174: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

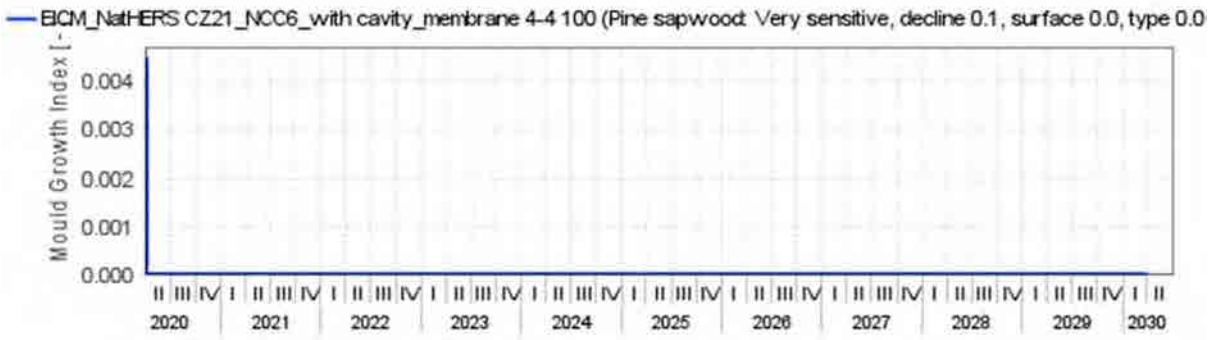

Figure 175 Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

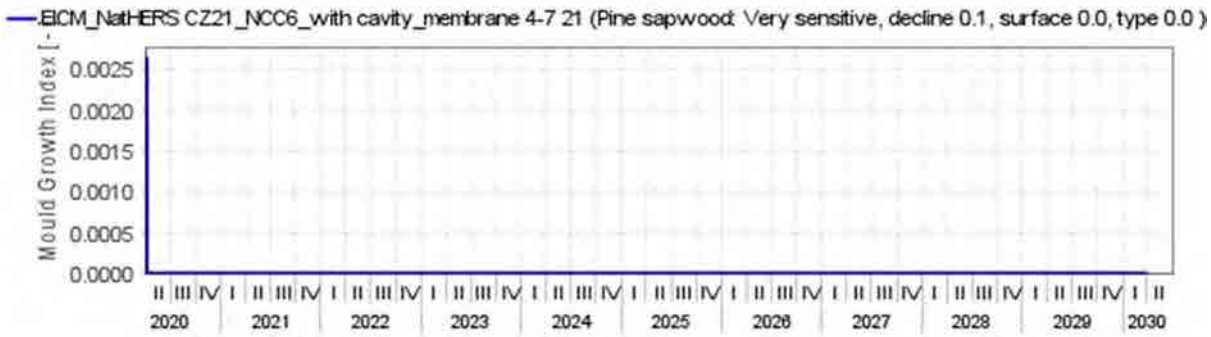

Figure 176: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

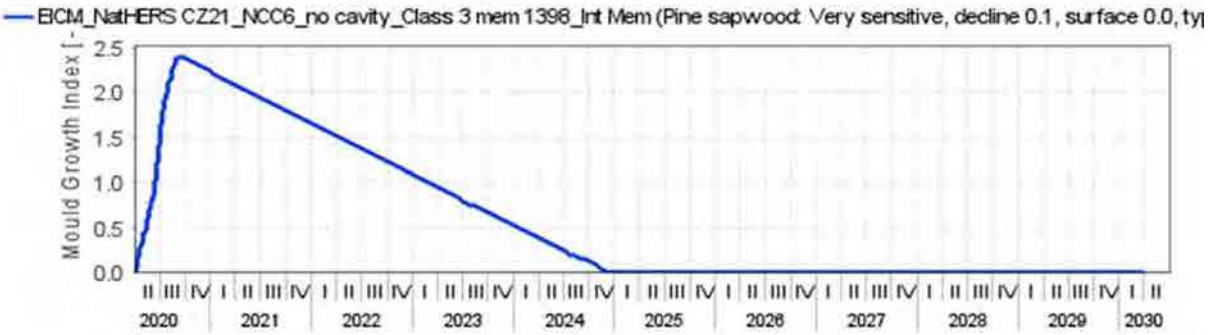

Figure 177: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

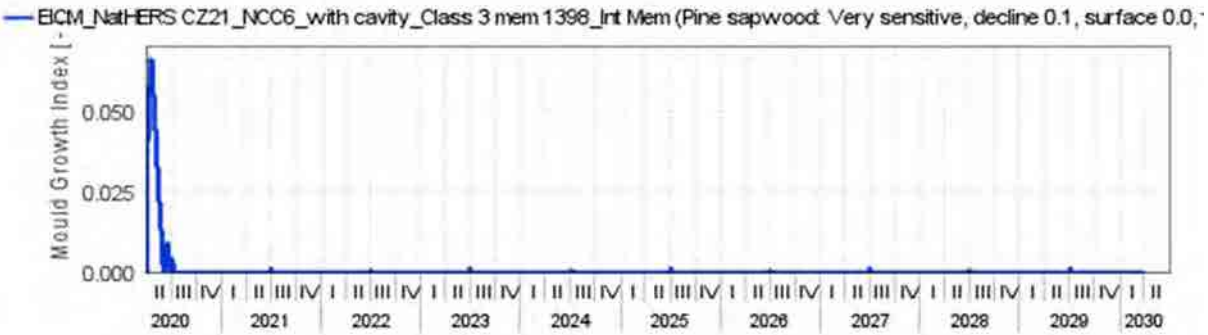

Figure 178: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

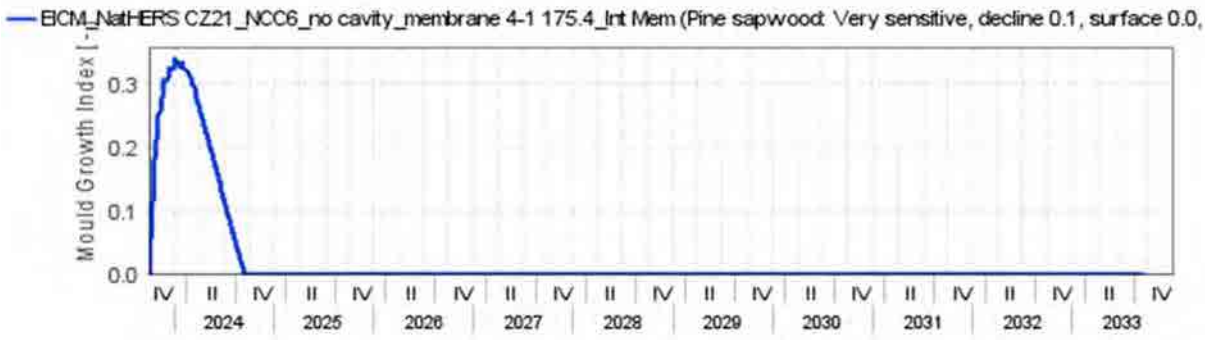

Figure 179: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

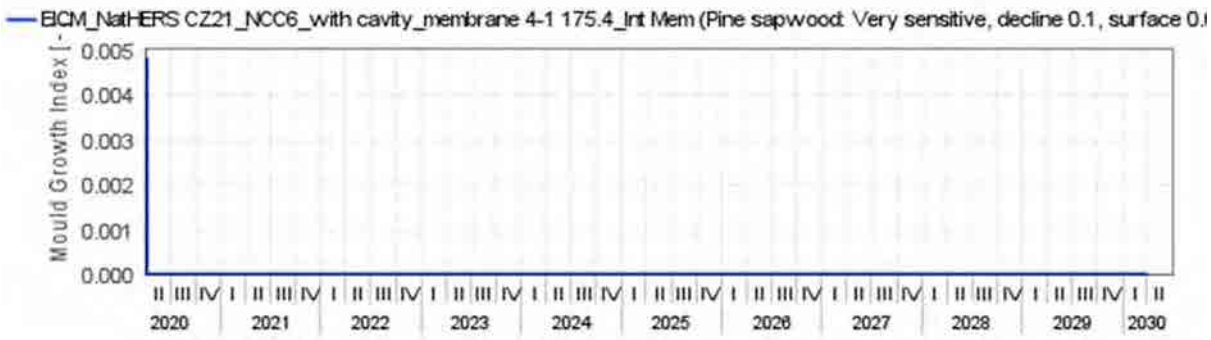

Figure 180: Ext. Ins. Clay Masonry NatHERS CZ 21 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

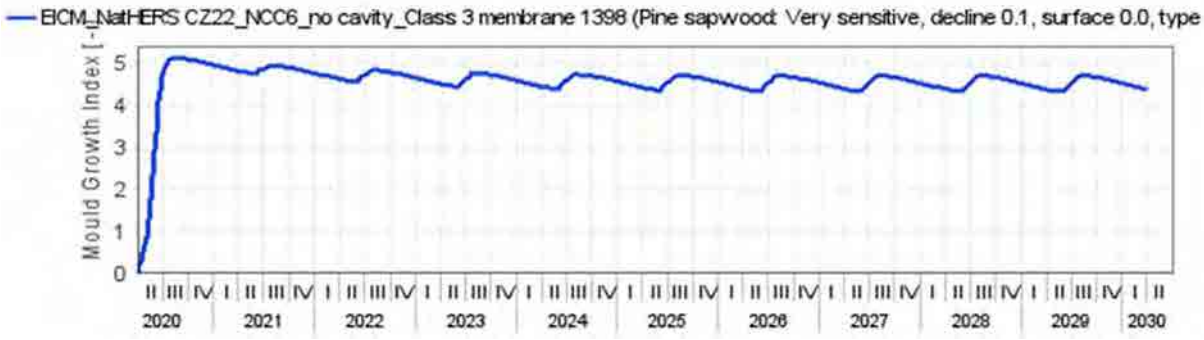

Figure 181: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

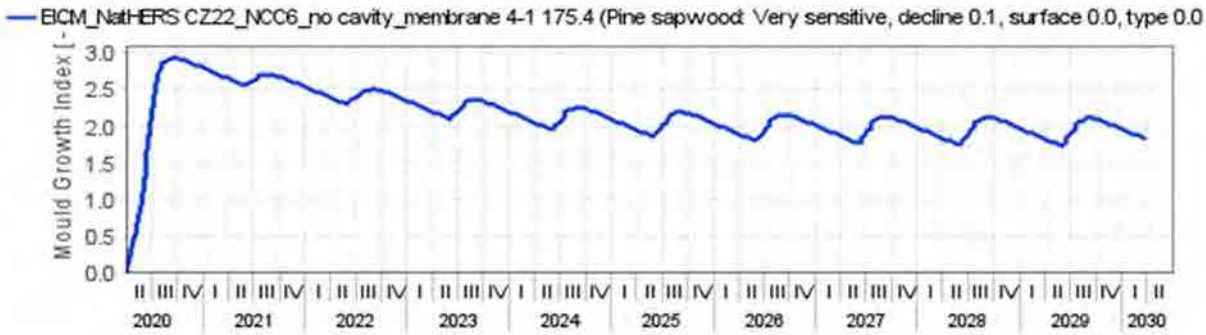

Figure 182: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

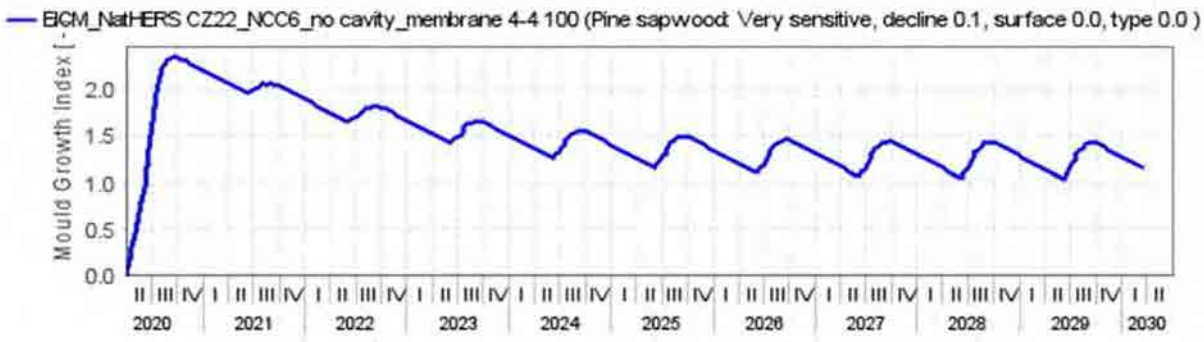

Figure 183 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

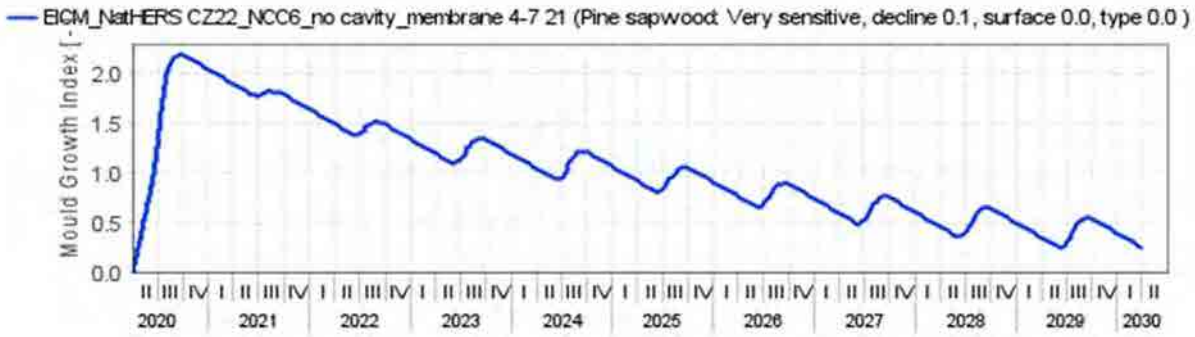

Figure 184: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

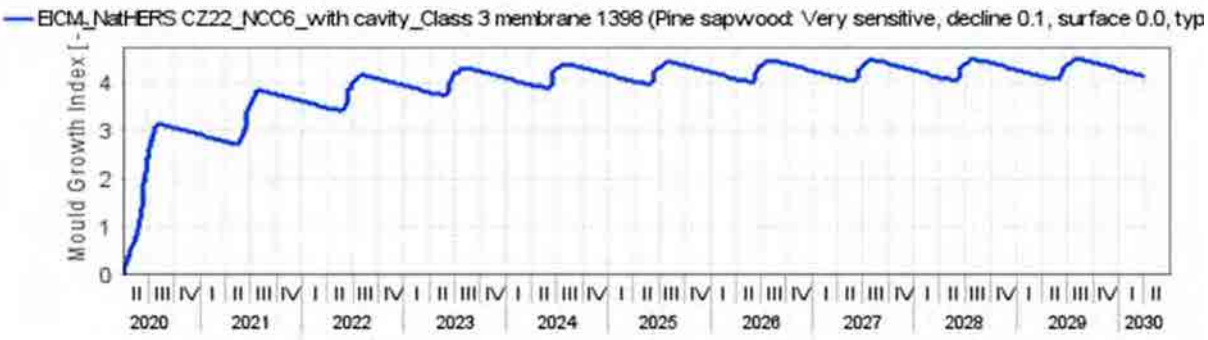

Figure 185: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

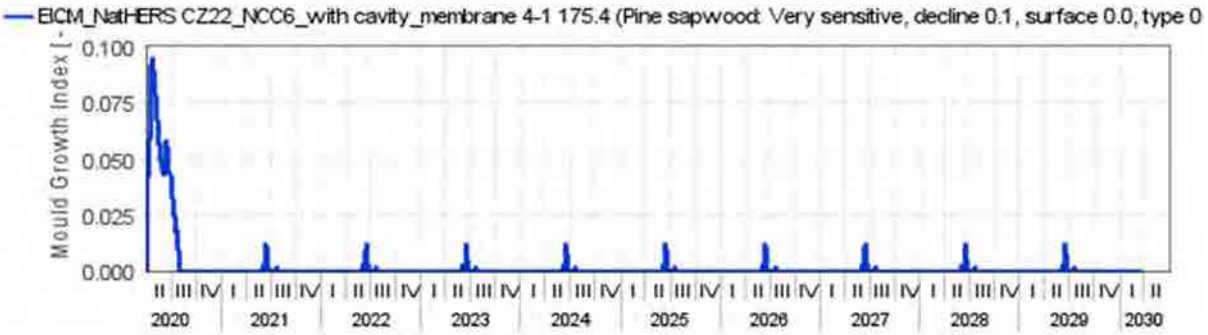

Figure 186: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

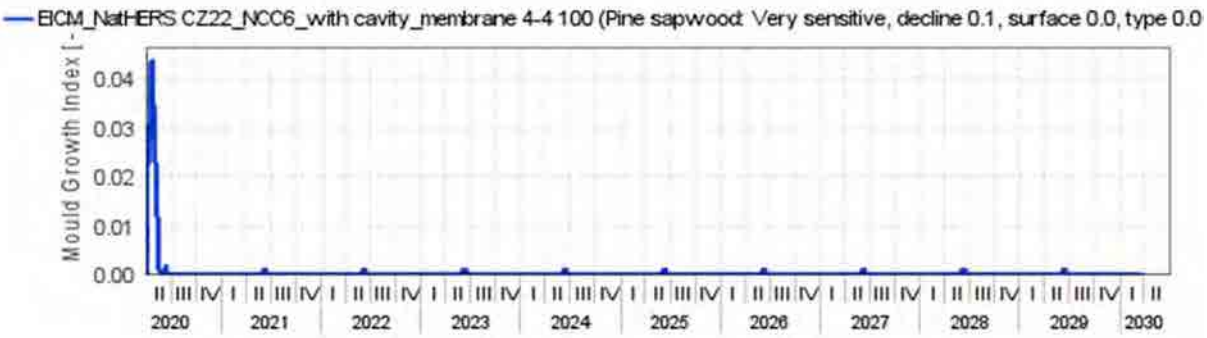

Figure 187 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

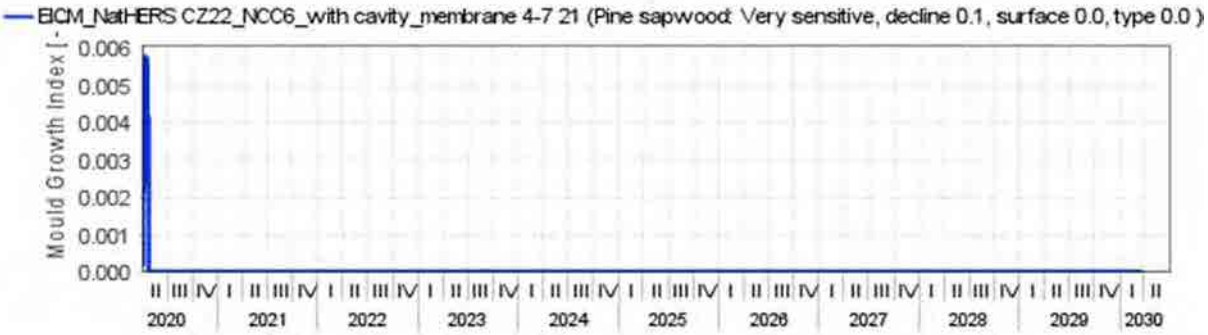

Figure 188: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

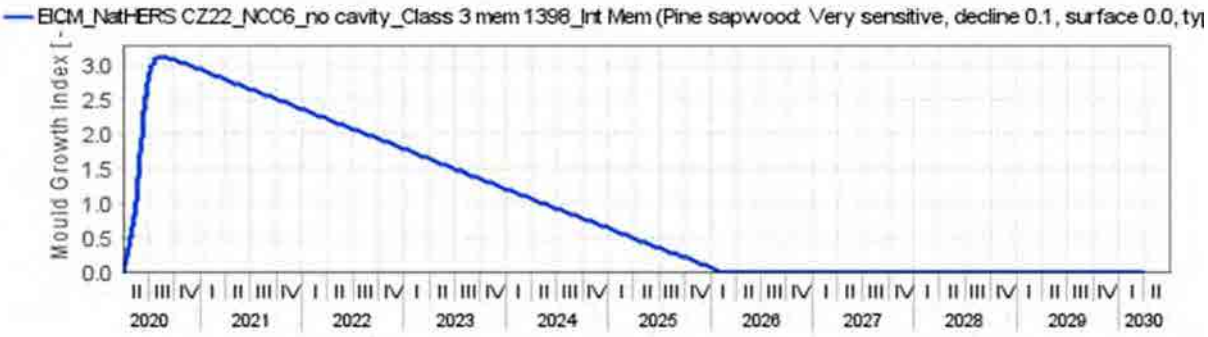

Figure 189: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

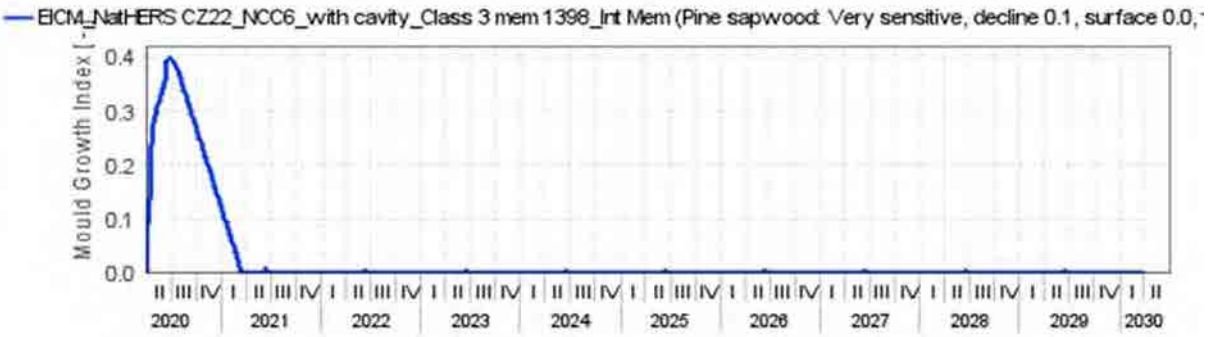

Figure 190: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

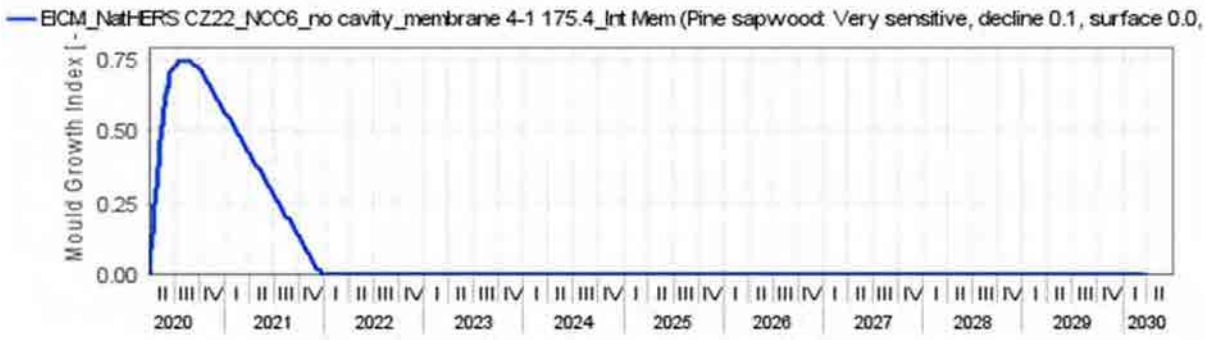

Figure 191: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

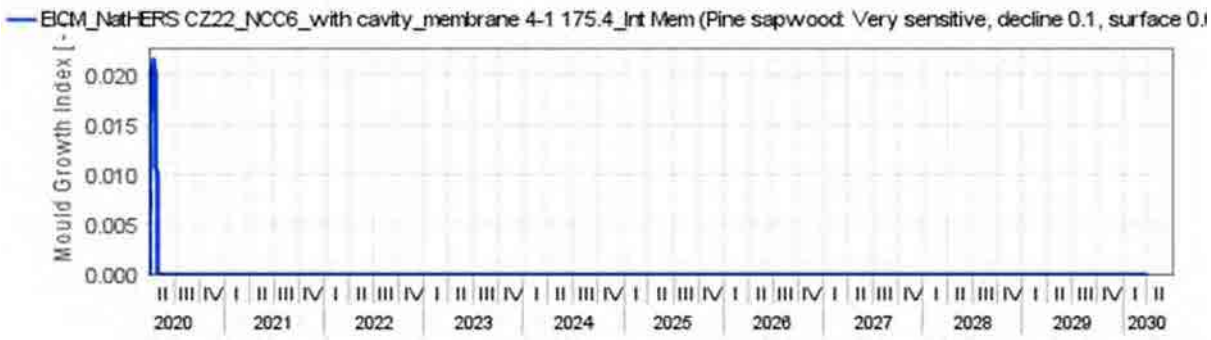

Figure 192: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

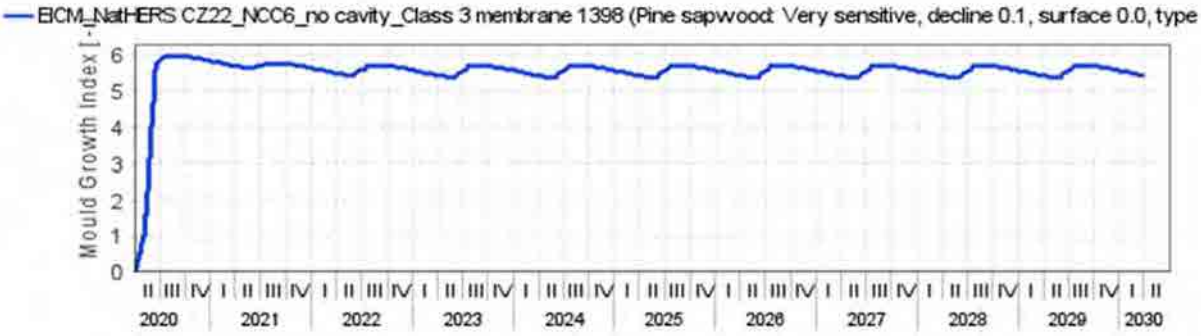

Figure 193: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

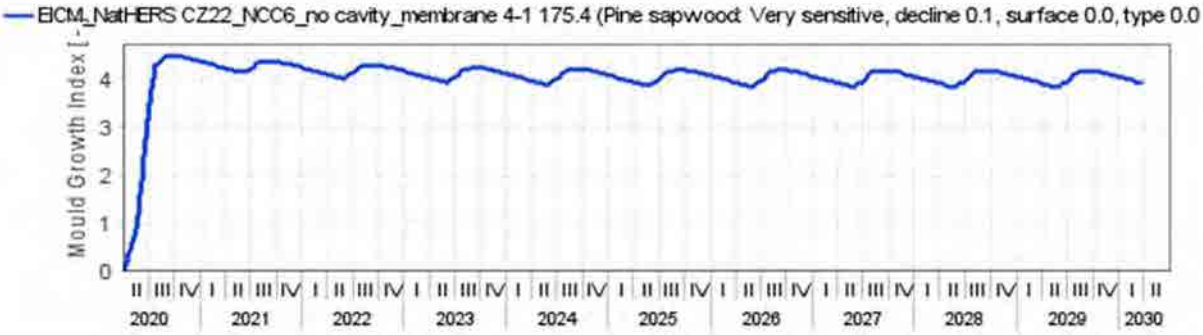

Figure 194: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

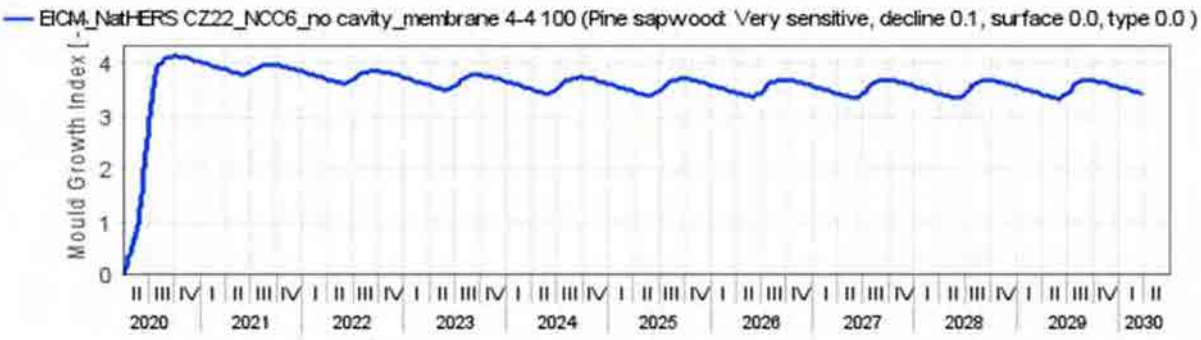

Figure 195 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

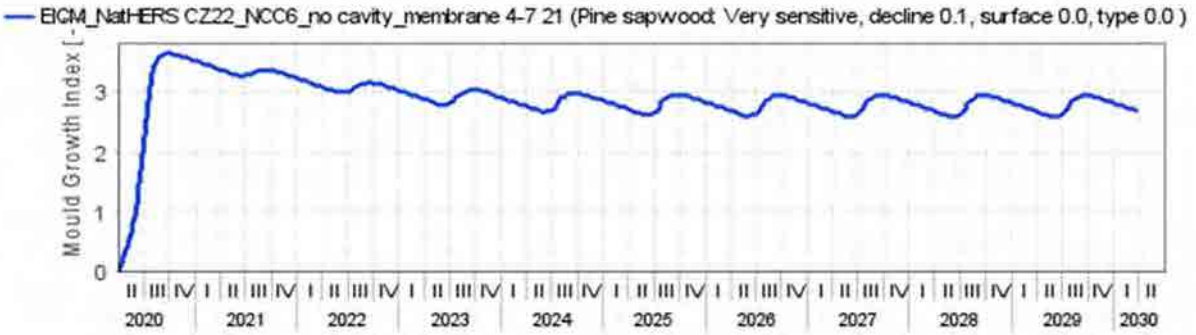

Figure 196: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

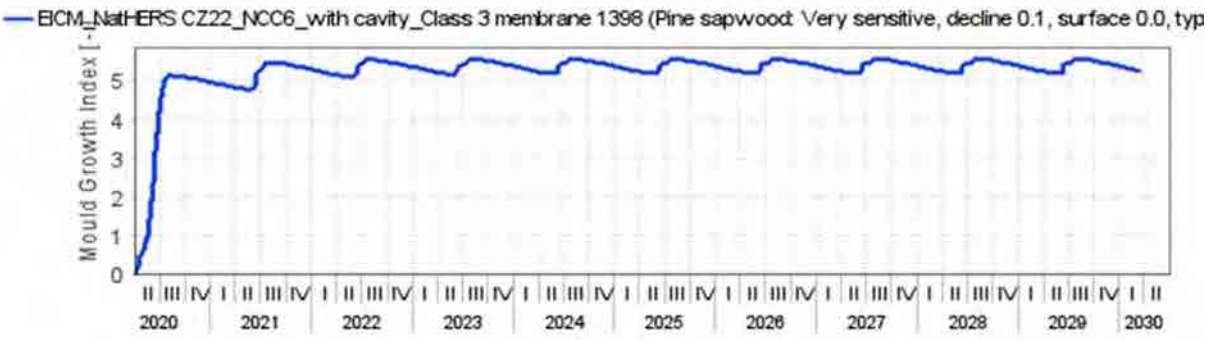

Figure 197: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

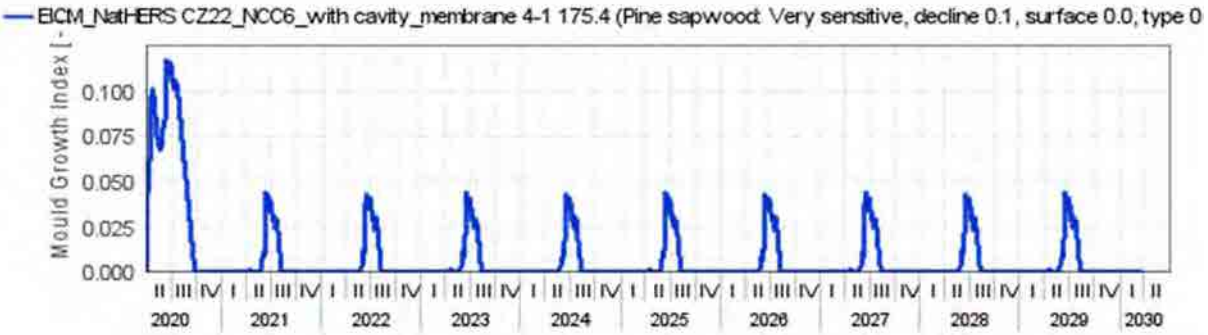

Figure 198: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

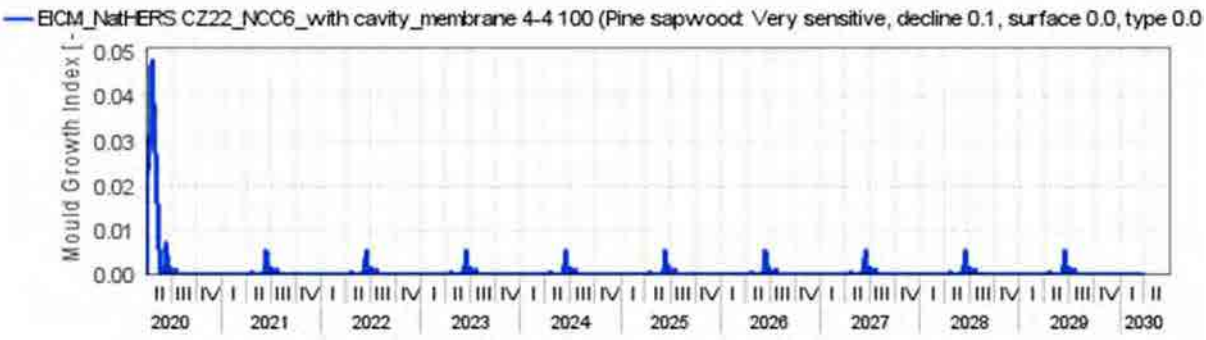

Figure 199 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

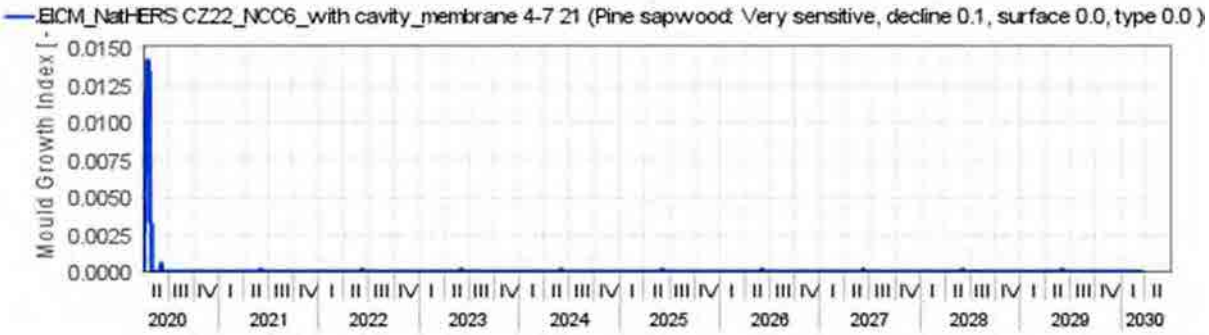

Figure 200: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

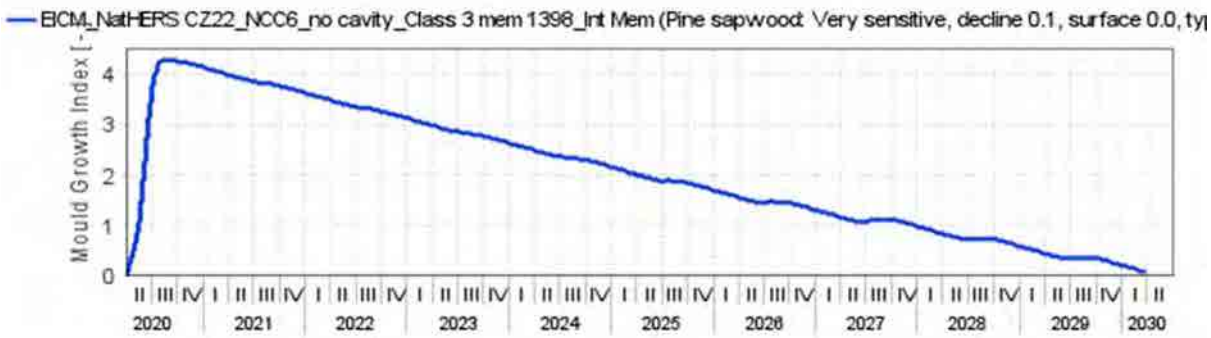

Figure 201: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

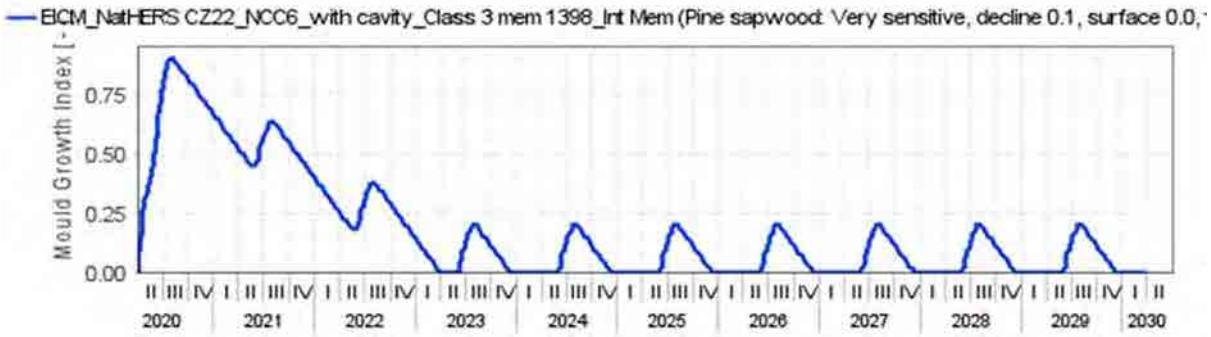

Figure 202: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

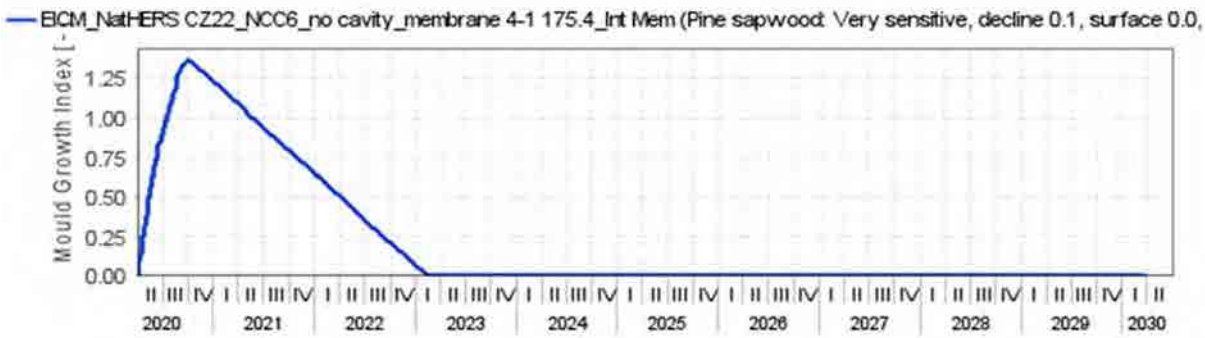

Figure 203: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

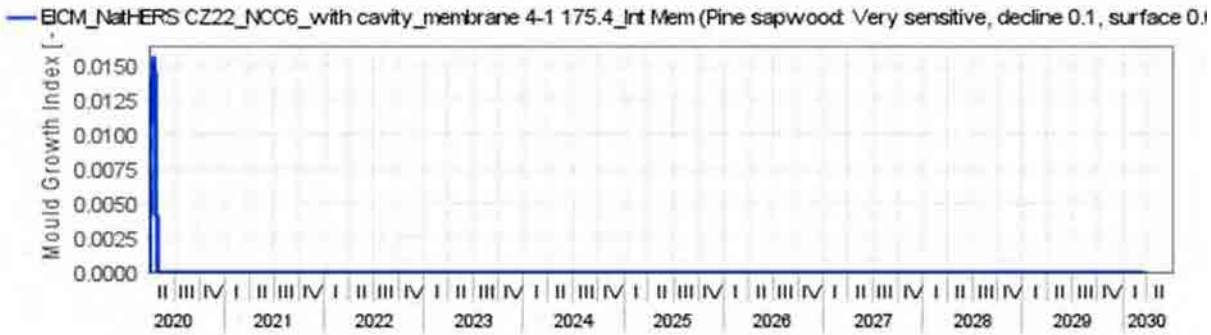

Figure 204: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

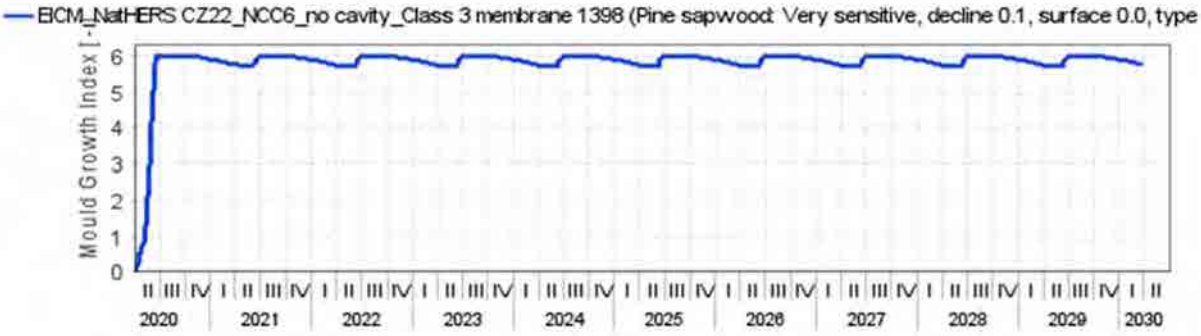

Figure 205: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

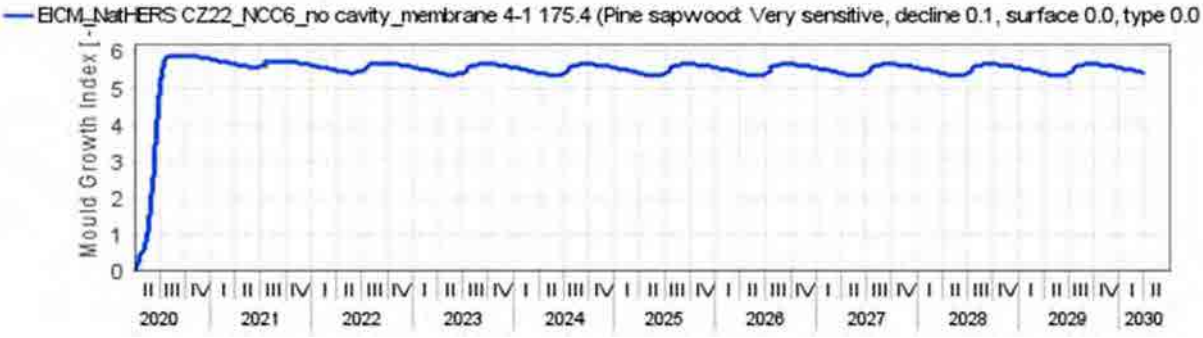

Figure 206: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

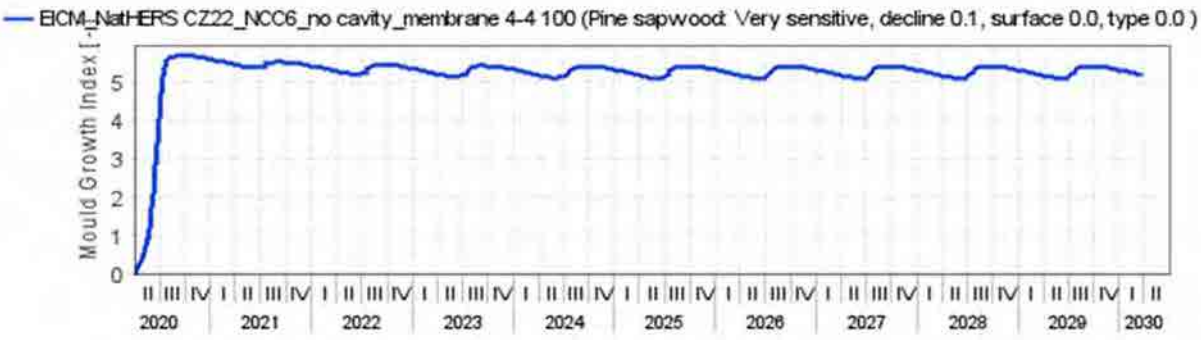

Figure 207 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

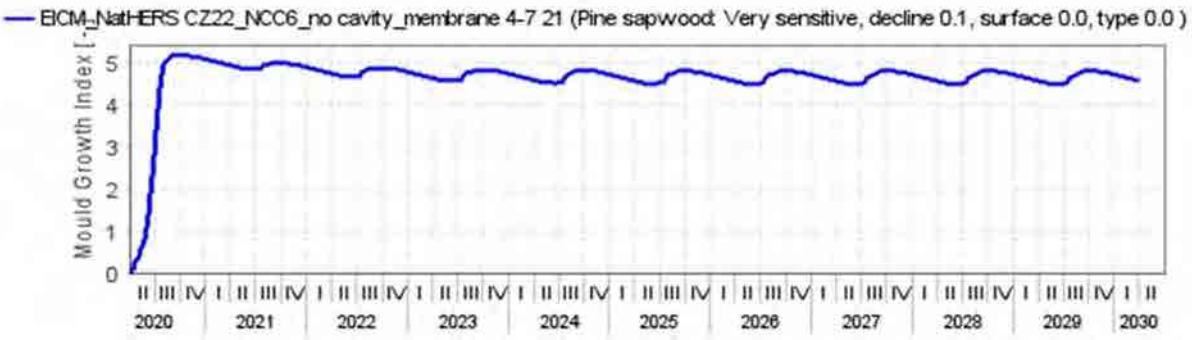

Figure 208: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

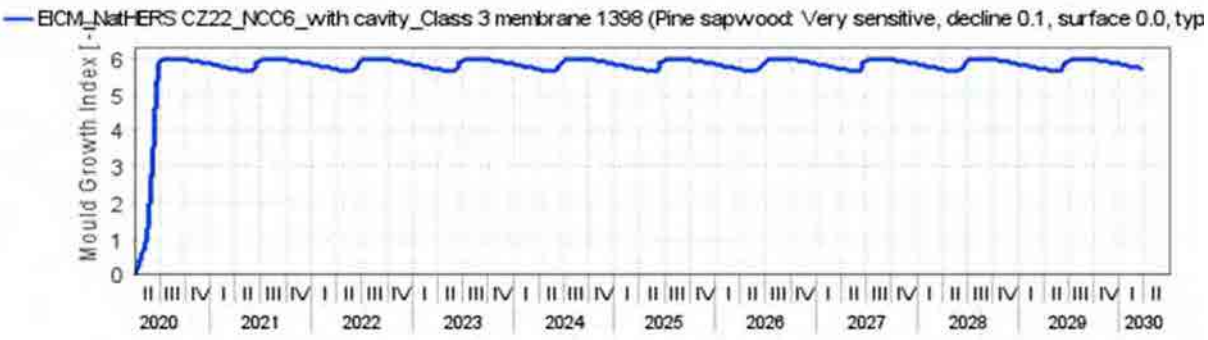

Figure 209: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

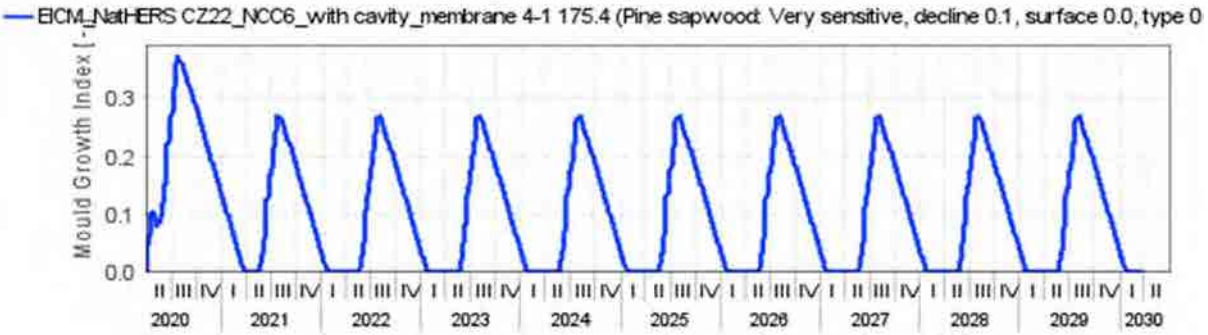

Figure 210: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

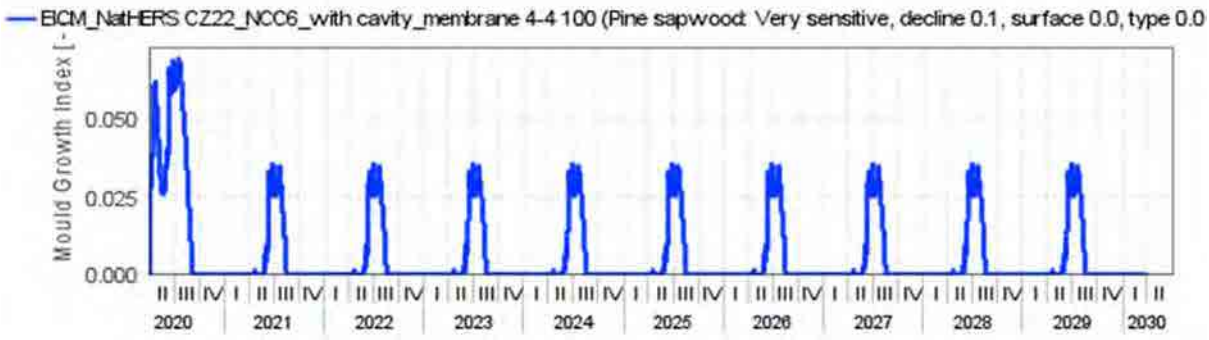

Figure 211 Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

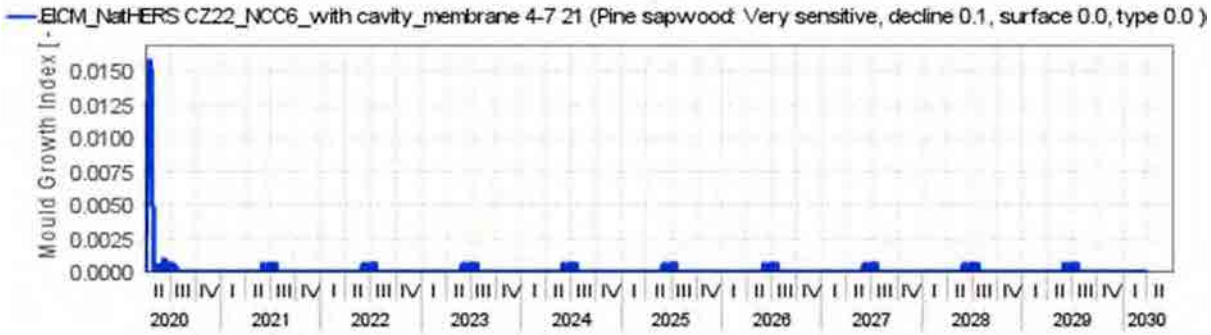

Figure 212: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

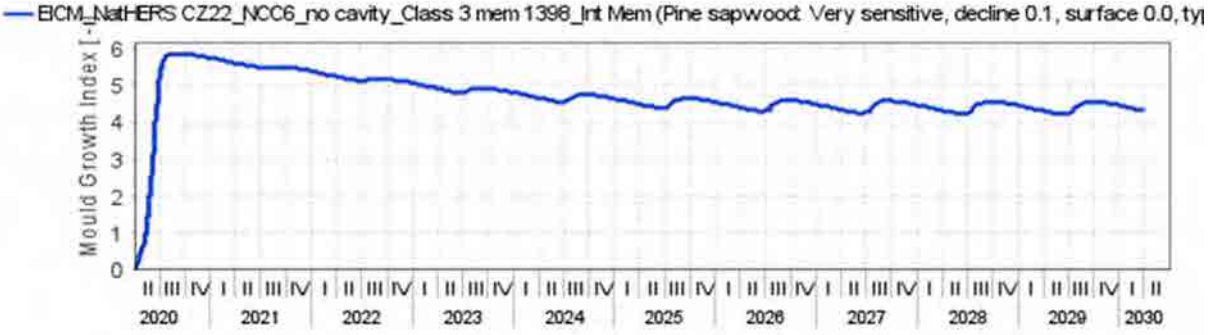

Figure 213: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

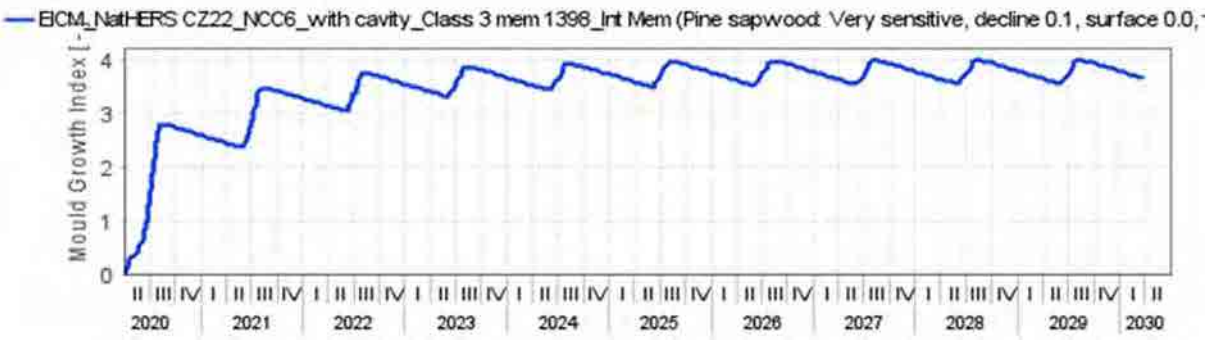

Figure 214: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

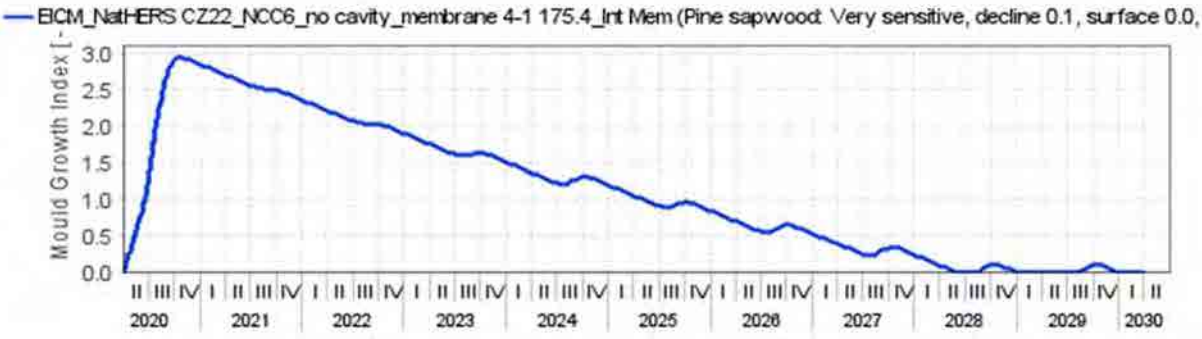

Figure 215: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

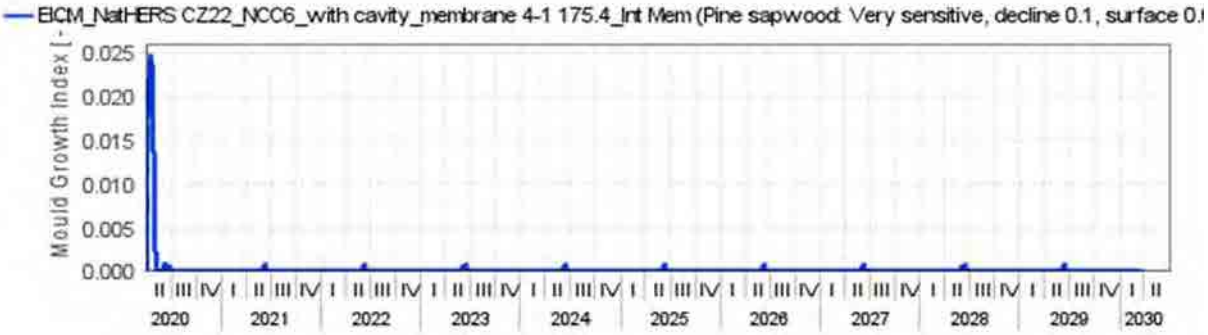

Figure 216: Ext. Ins. Clay Masonry NatHERS CZ 22 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

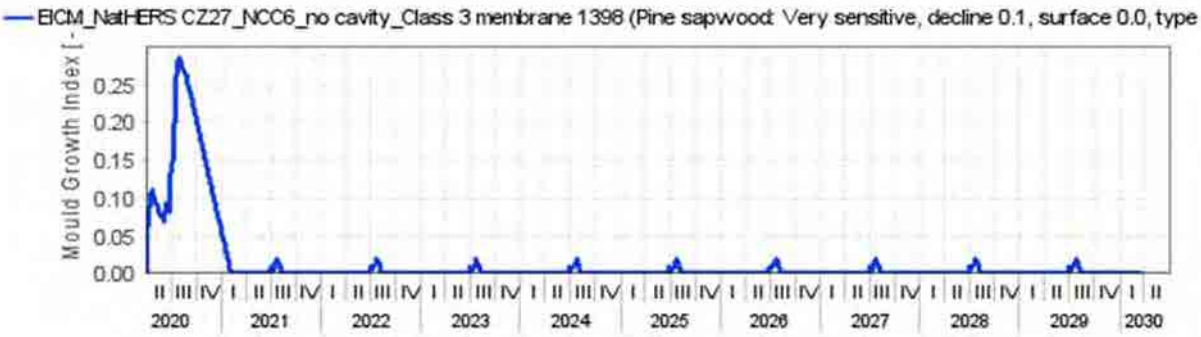

Figure 217: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

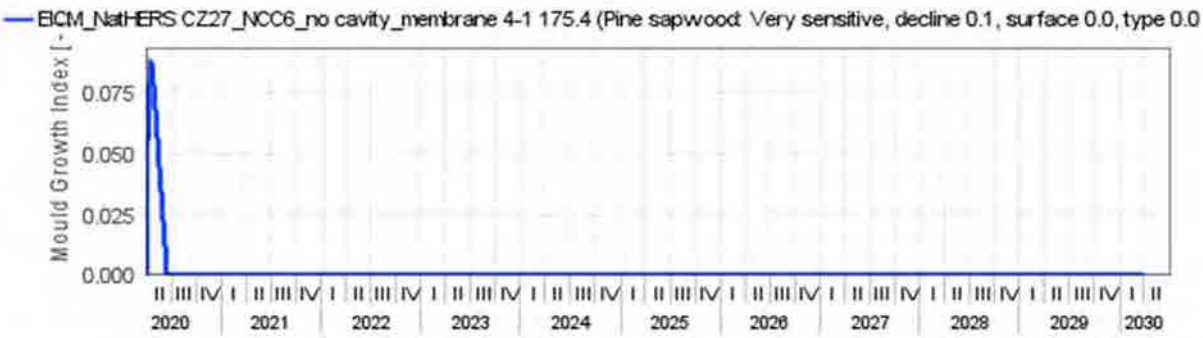

Figure 218: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

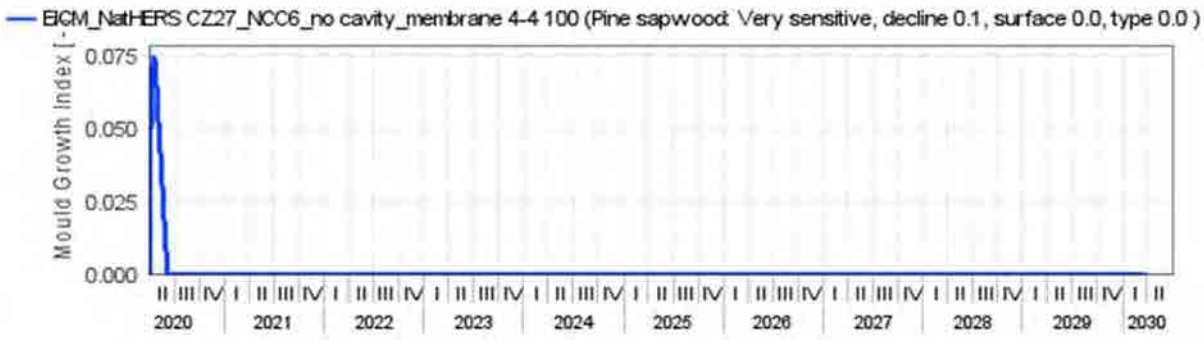

Figure 219 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

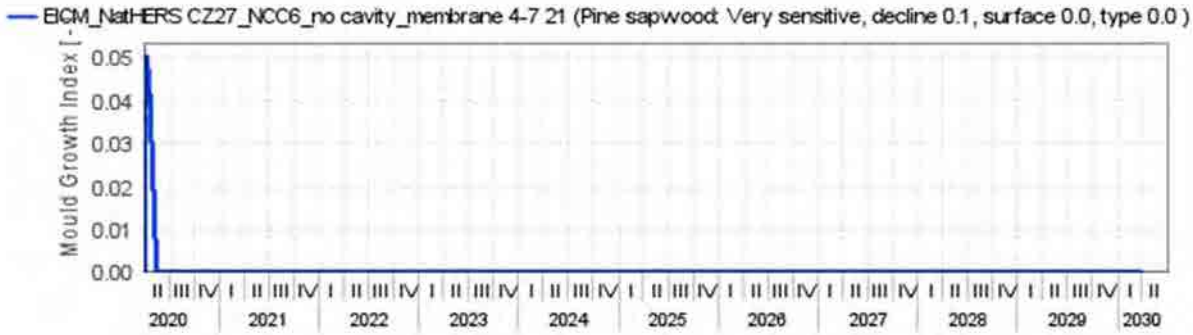

Figure 220: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

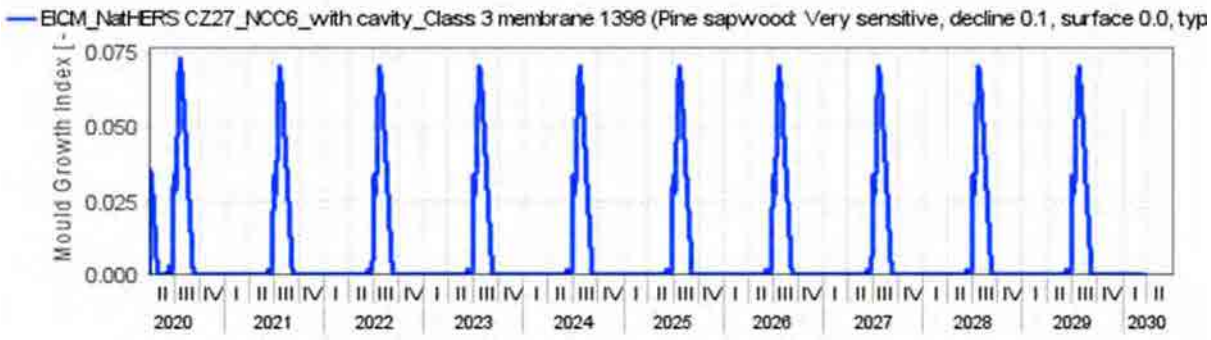

Figure 221: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

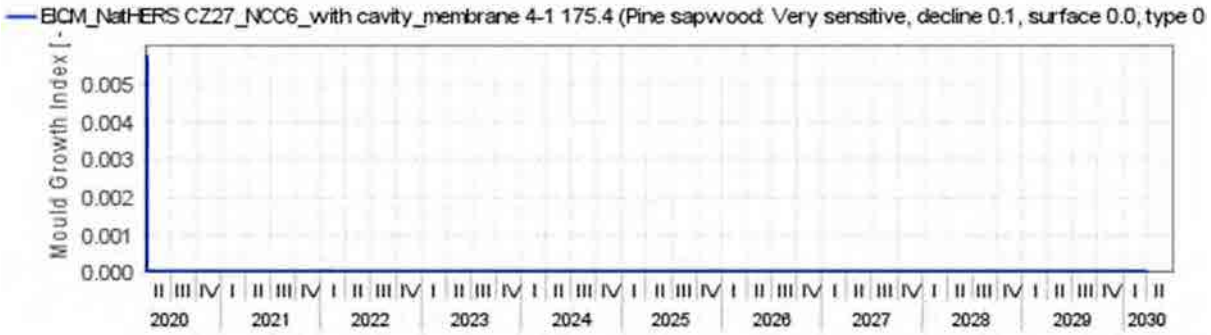

Figure 222: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

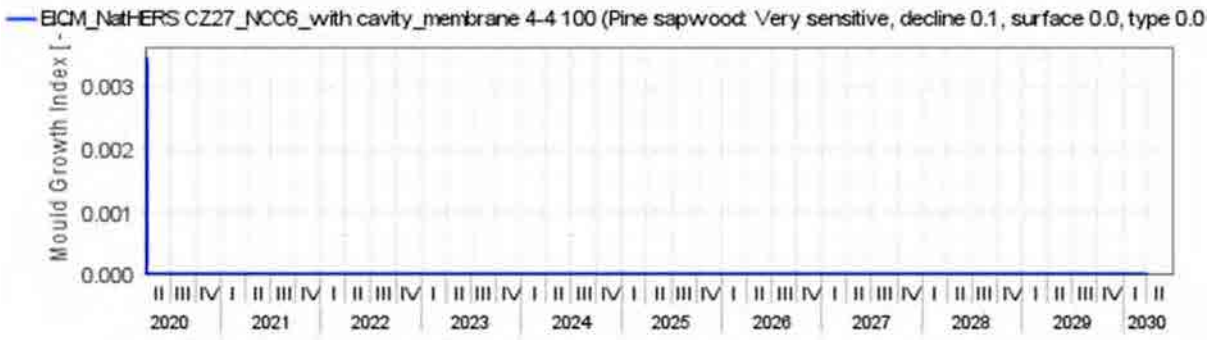

Figure 223 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

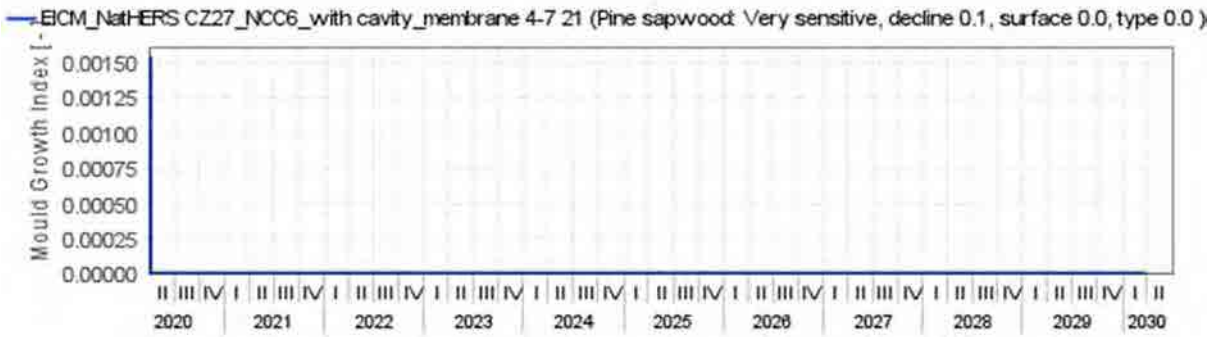

Figure 224: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

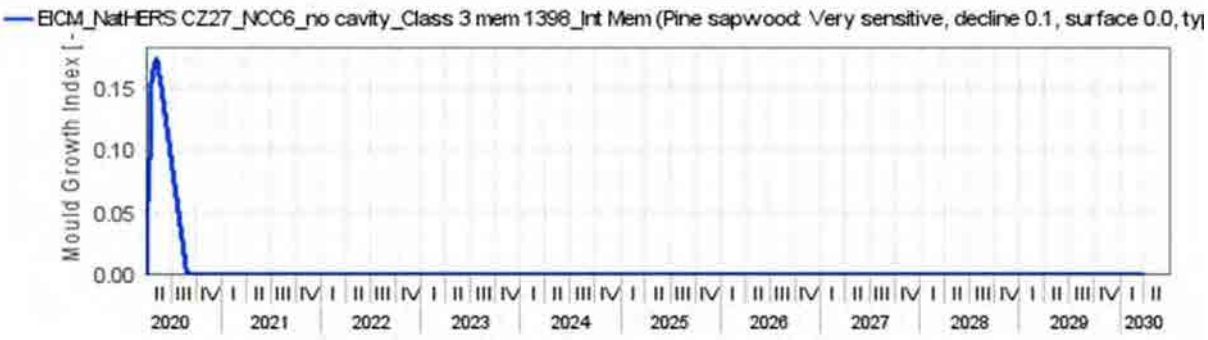

Figure 225: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

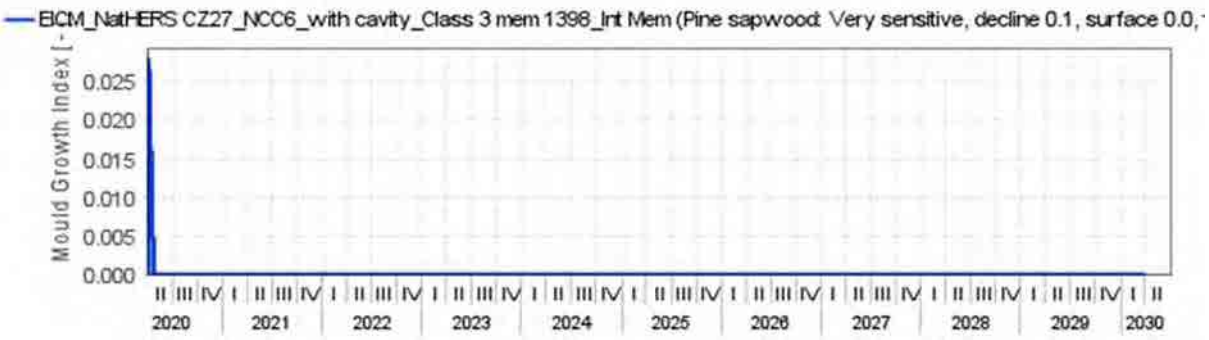

Figure 226: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

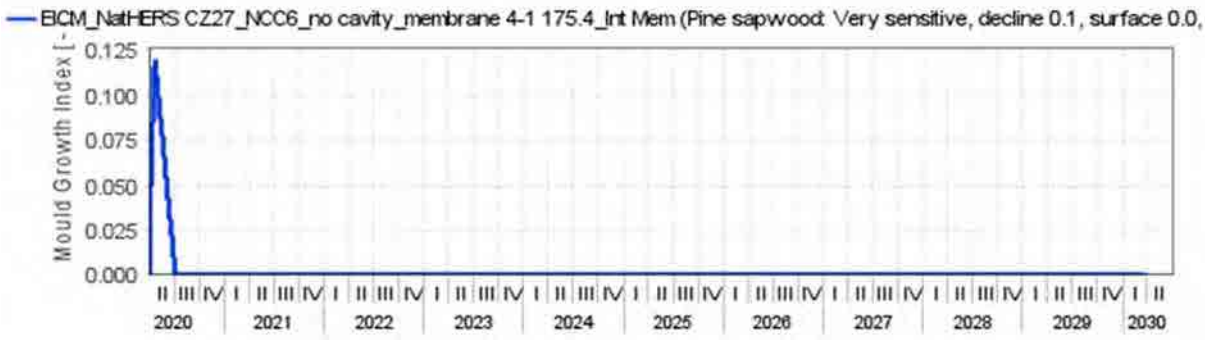

Figure 227: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

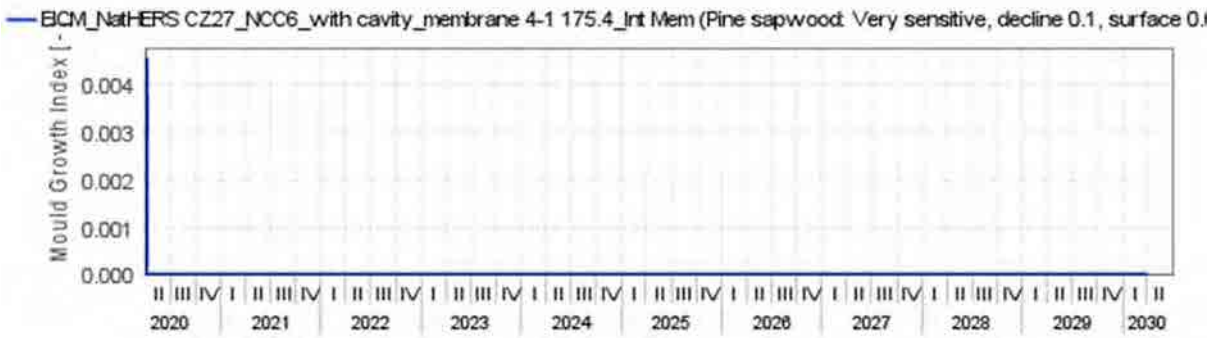

Figure 228: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

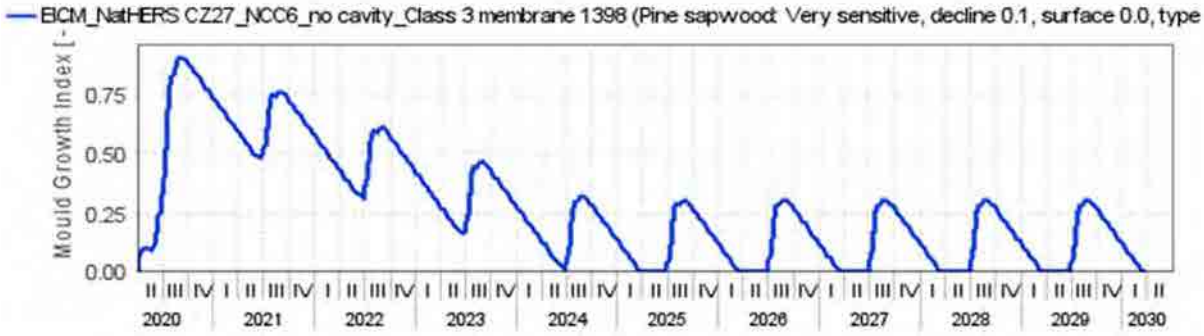

Figure 229: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

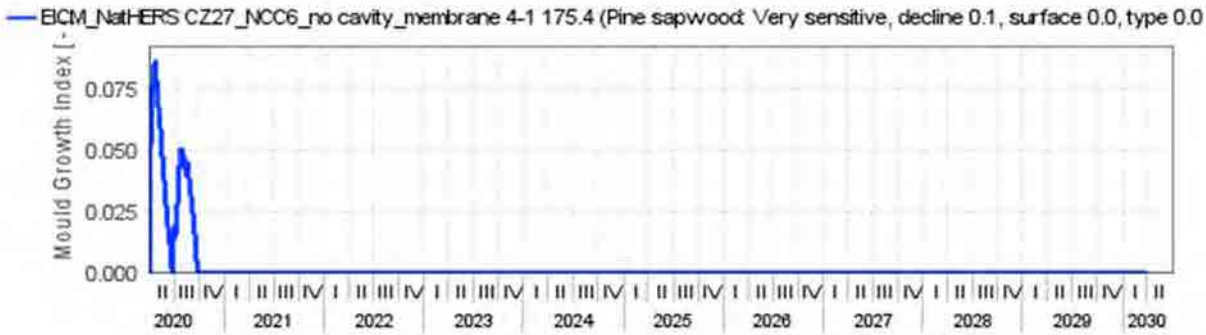

Figure 230: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

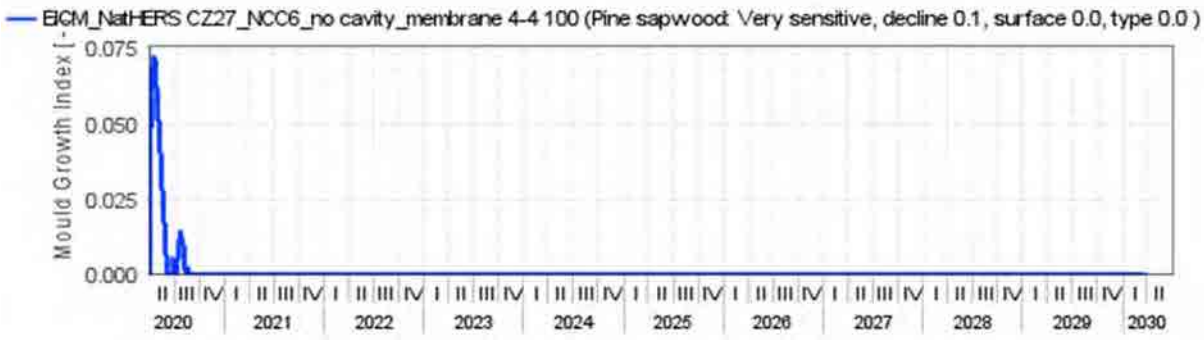

Figure 231 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

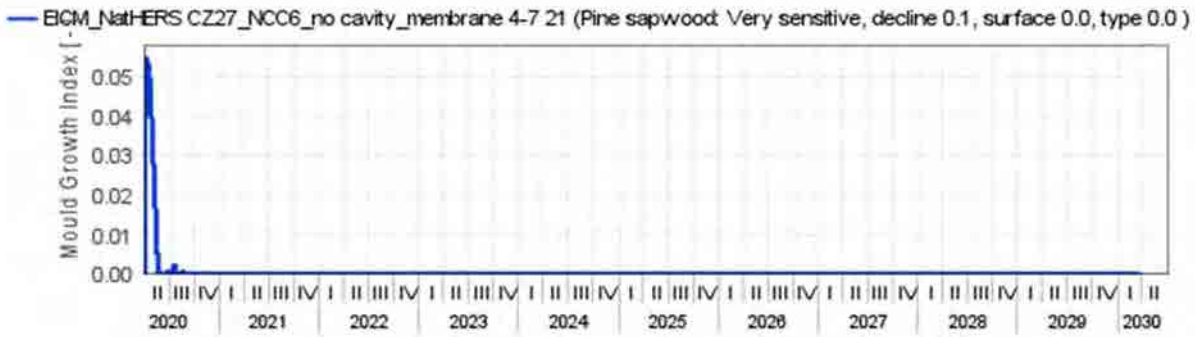

Figure 232: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

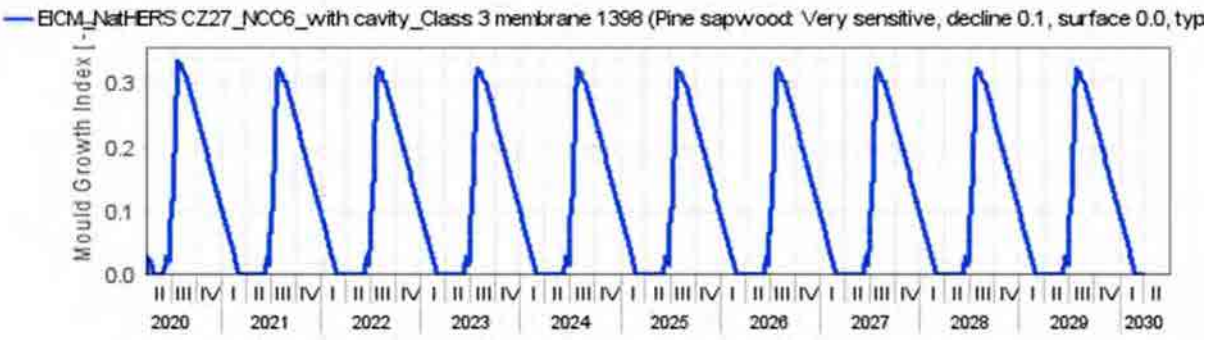

Figure 233: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

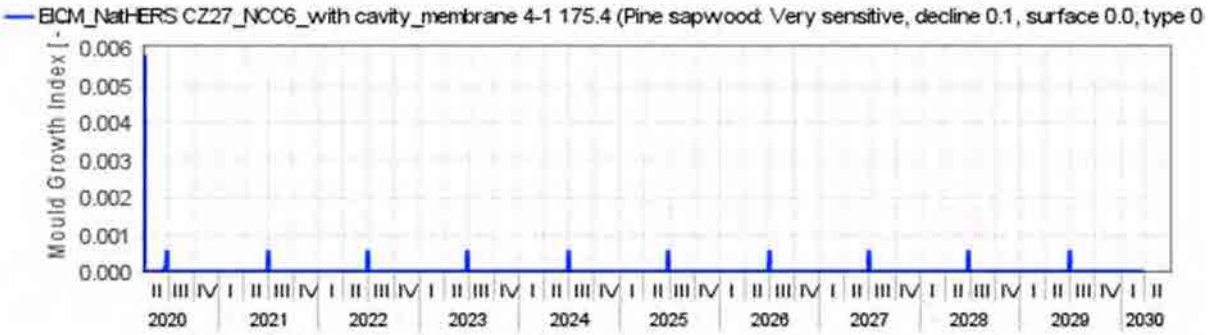

Figure 234: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

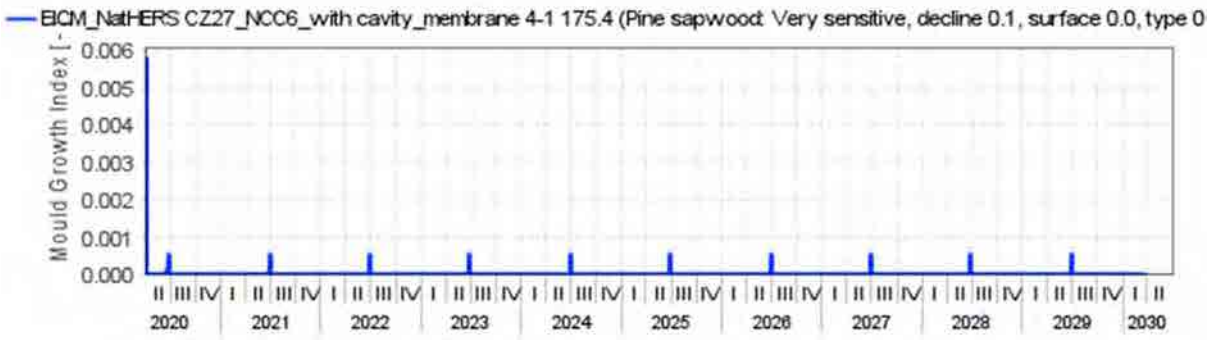

Figure 235 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

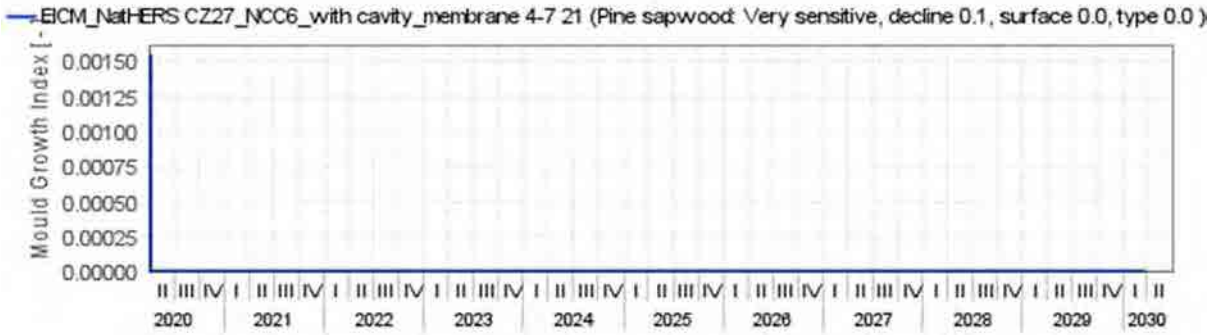

Figure 236: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

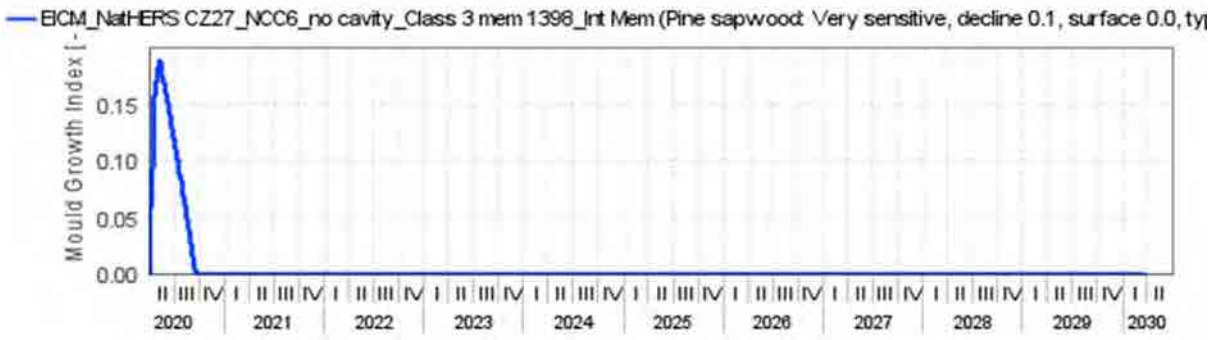

Figure 237: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

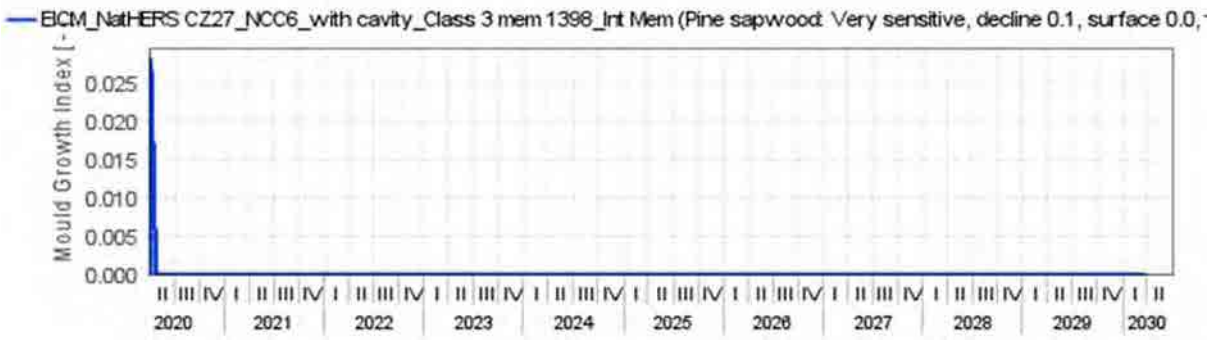

Figure 238: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

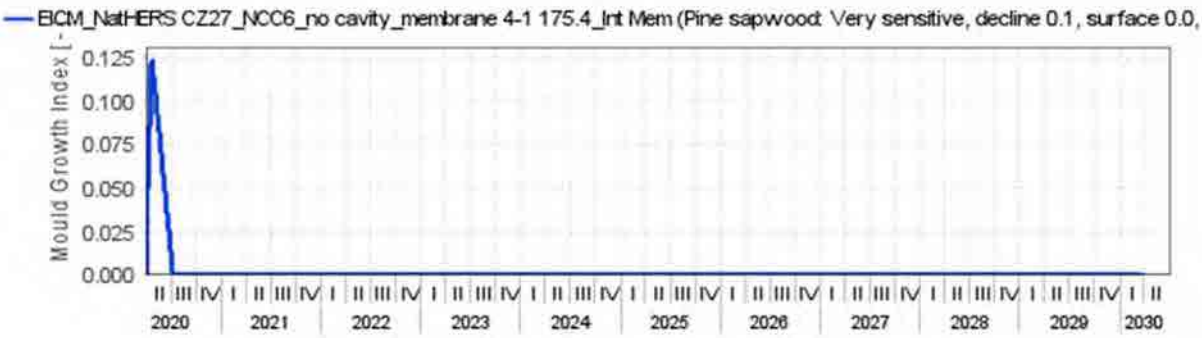

Figure 239: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

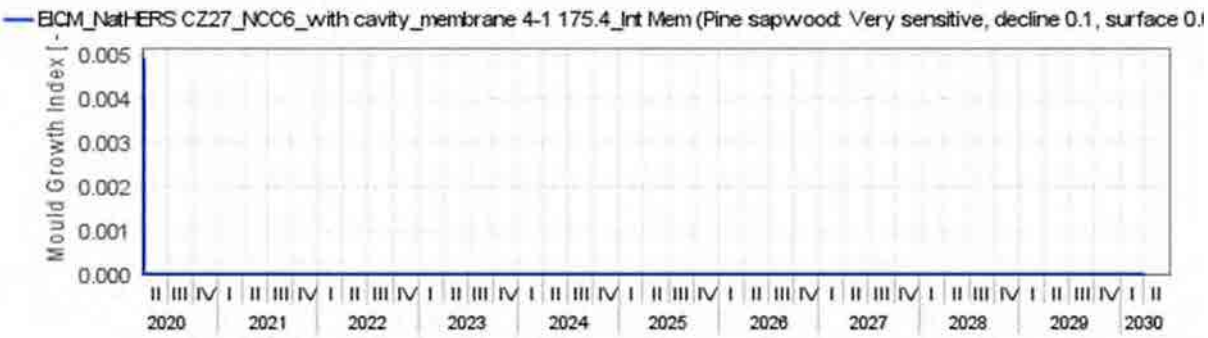

Figure 240: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

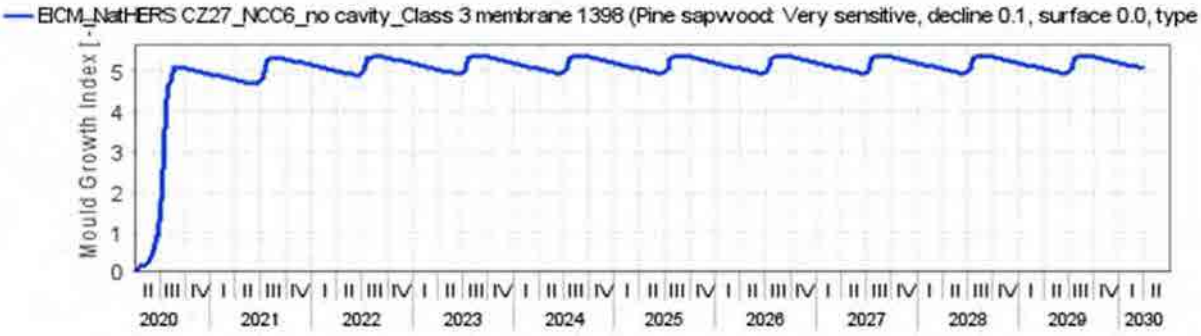

Figure 241: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil

Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

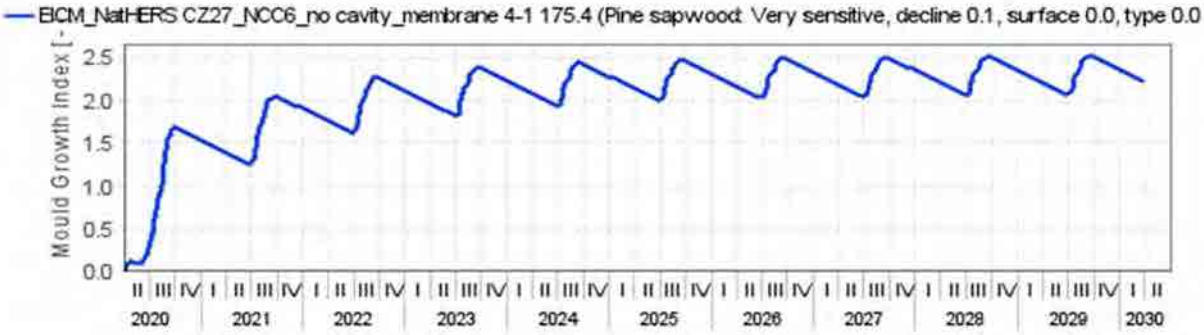

Figure 242: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

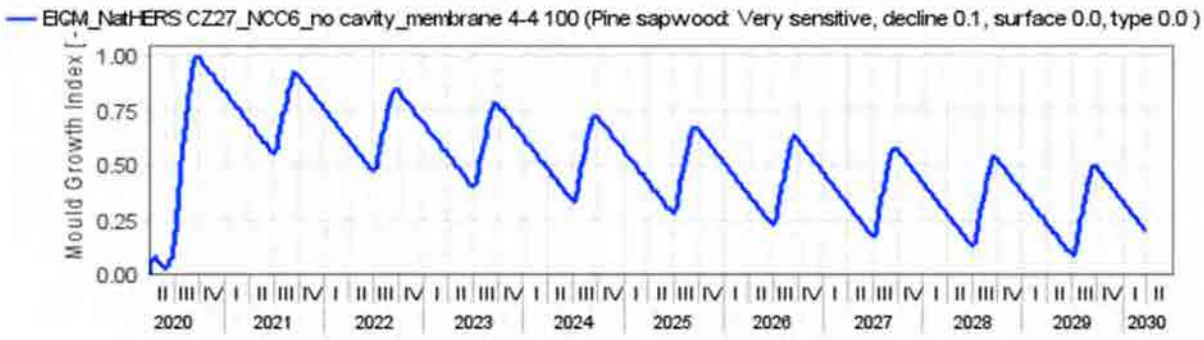

Figure 243 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

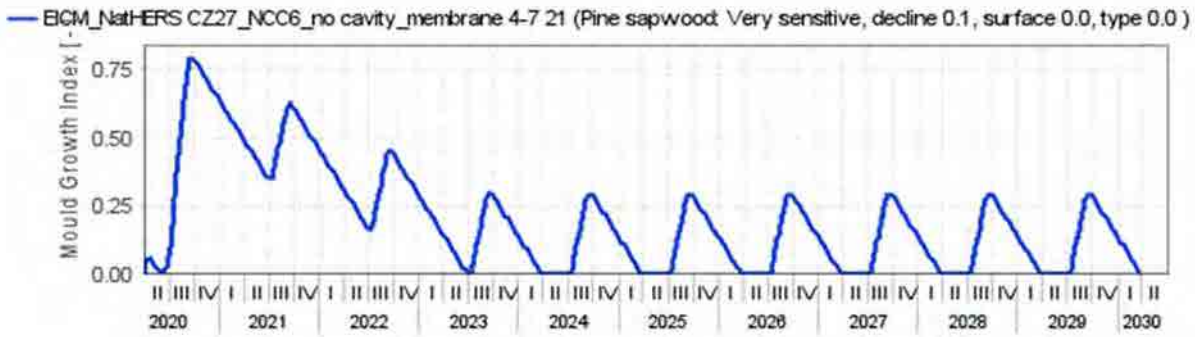

Figure 244: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

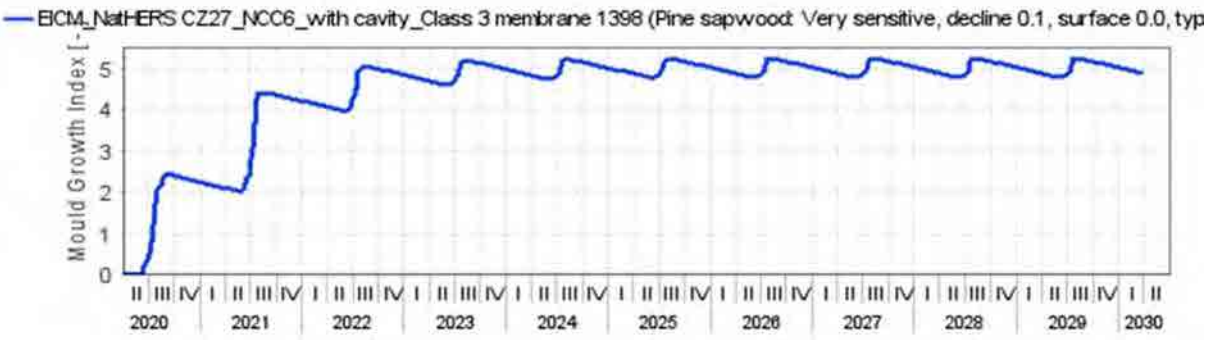

Figure 245: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

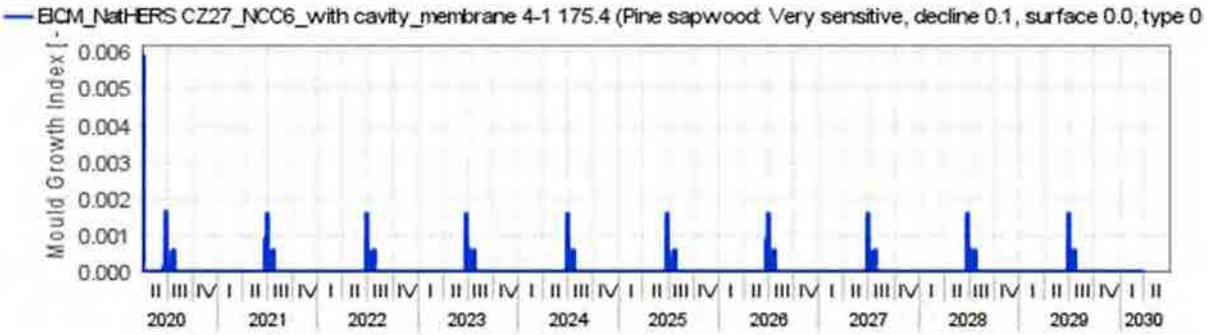

Figure 246: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

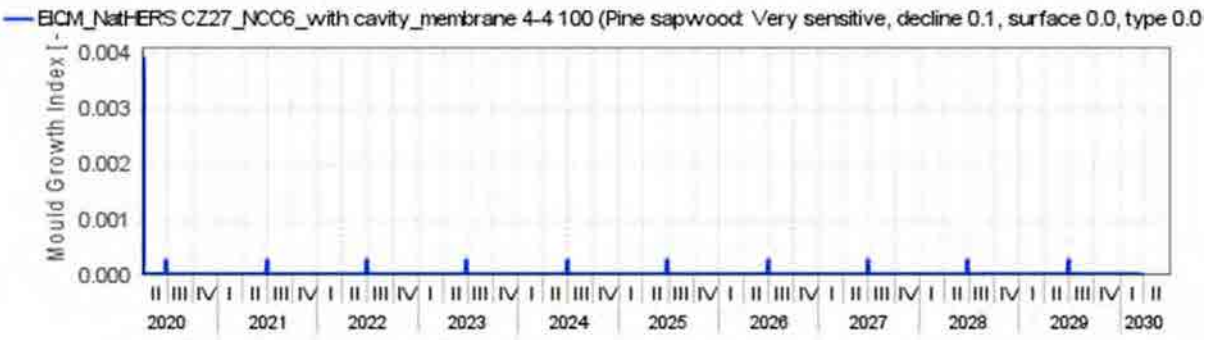

Figure 247 Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

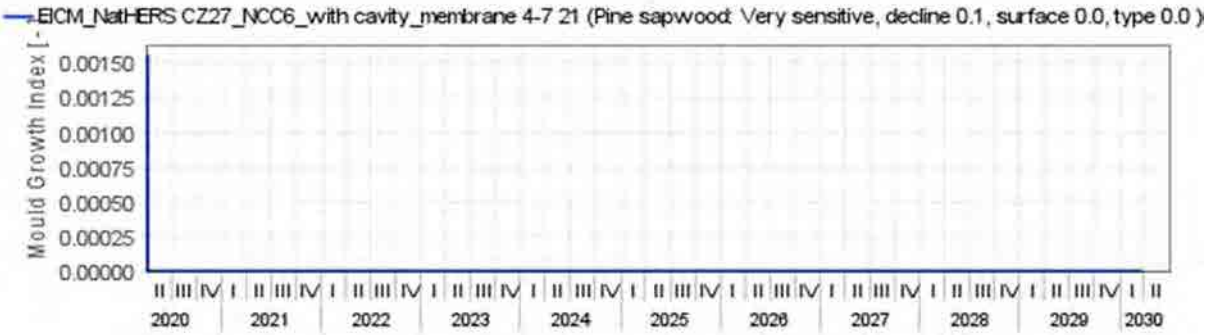

Figure 248: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

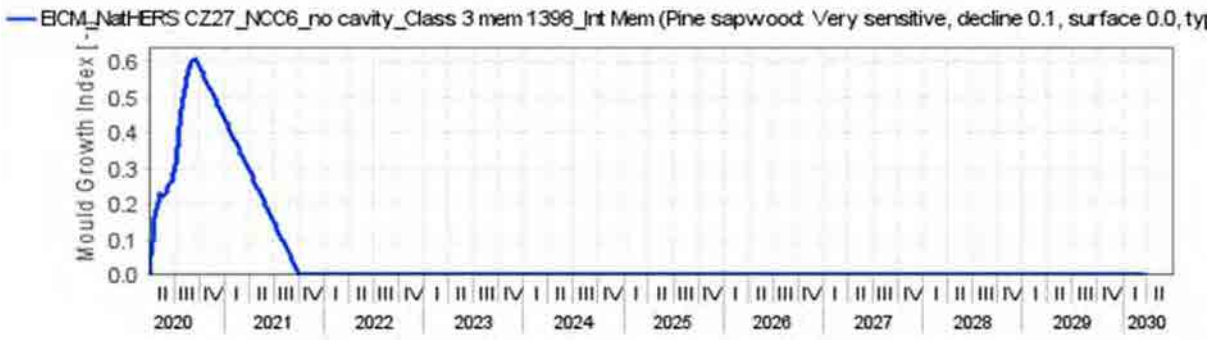

Figure 249: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

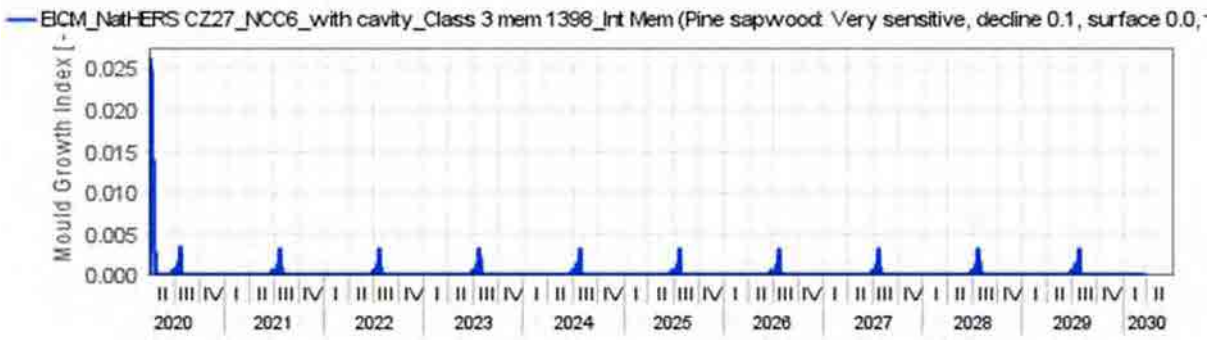

Figure 250: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

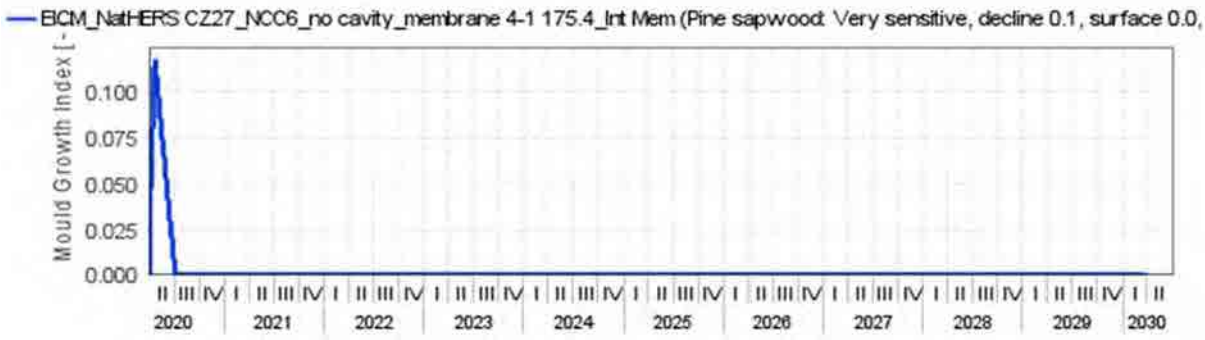

Figure 251: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

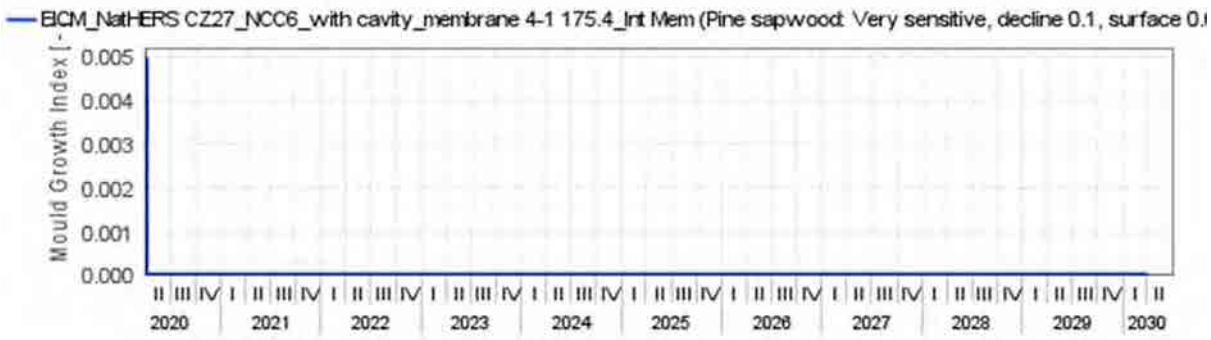

Figure 252: Ext. Ins. Clay Masonry NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

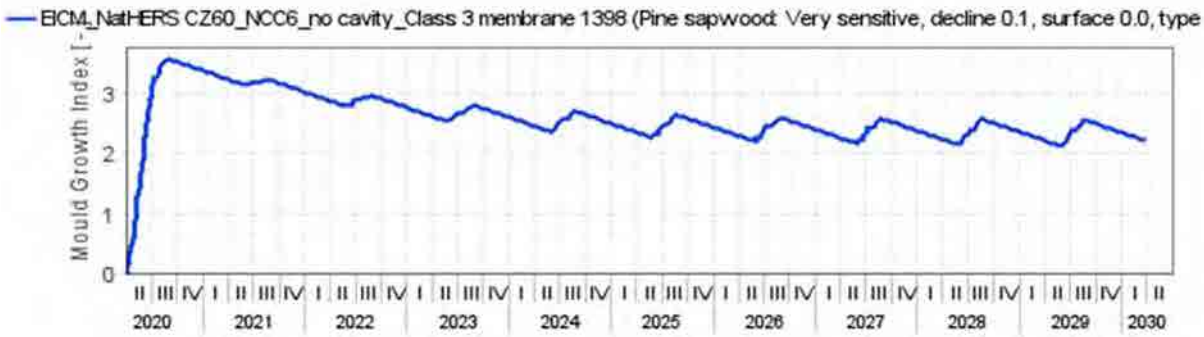

Figure 253: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

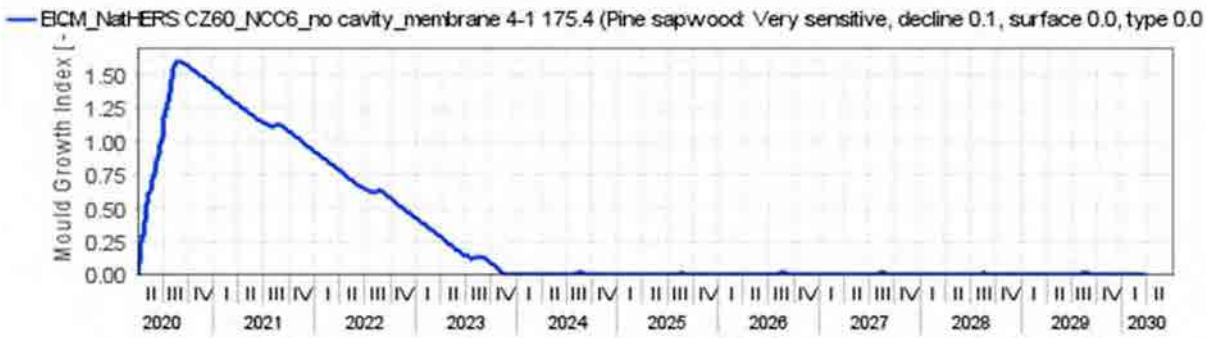

Figure 254: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

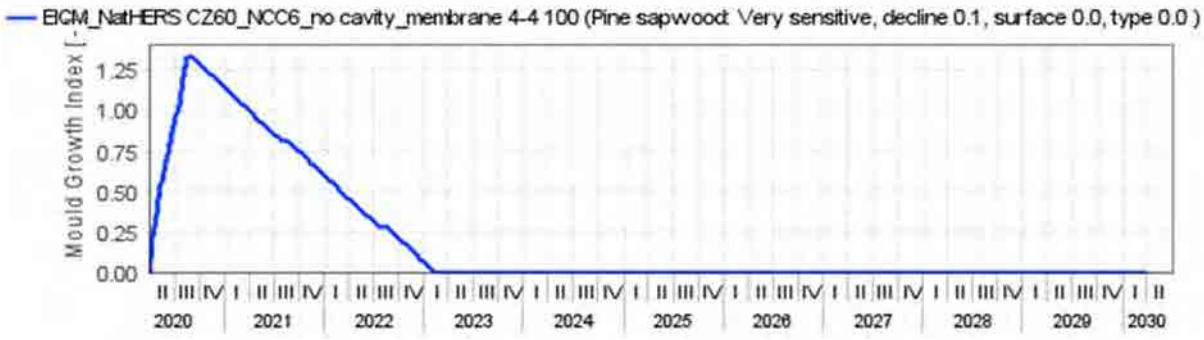

Figure 255 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

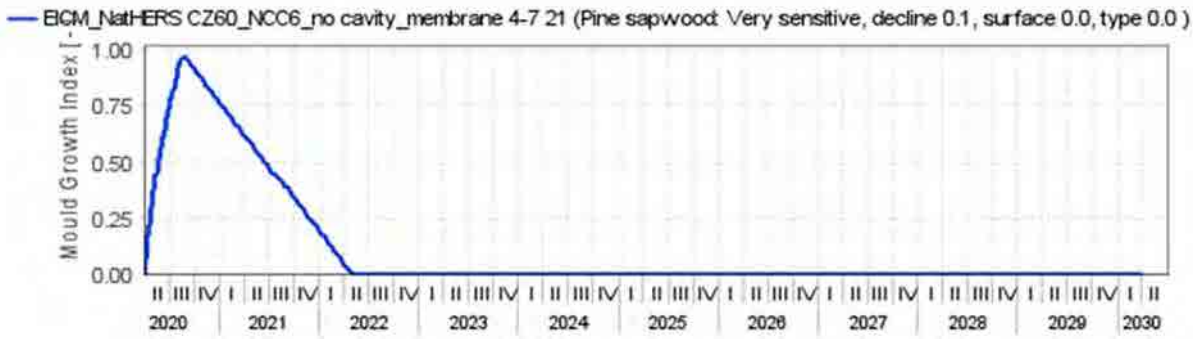

Figure 256: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

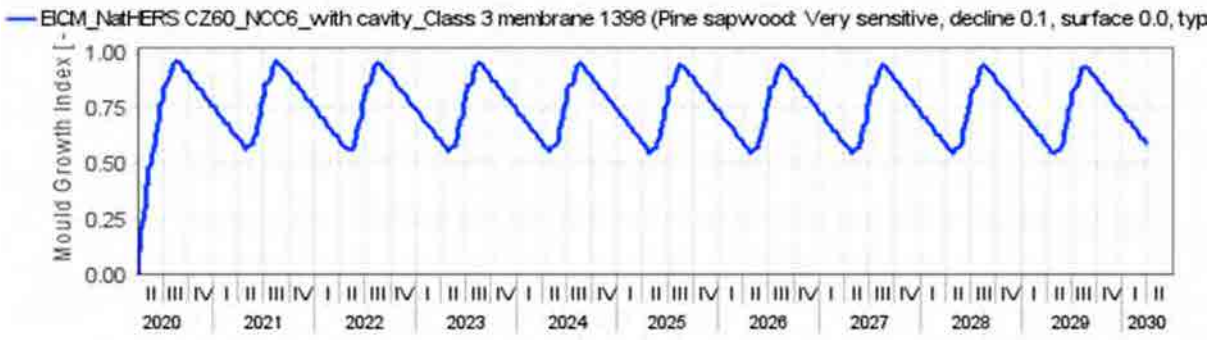

Figure 257: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

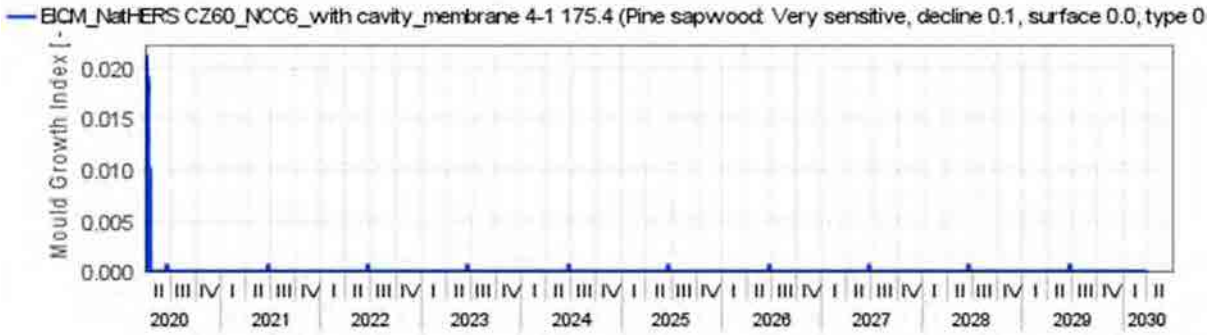

Figure 258: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

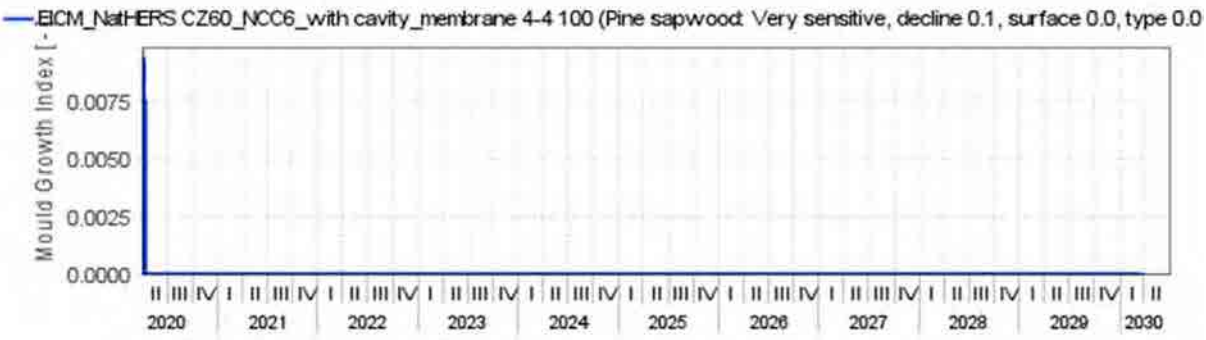

Figure 259 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

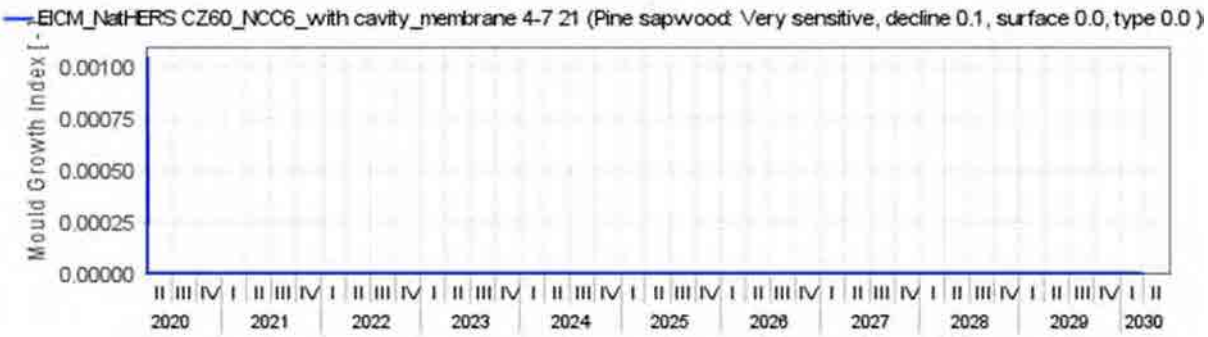

Figure 260: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

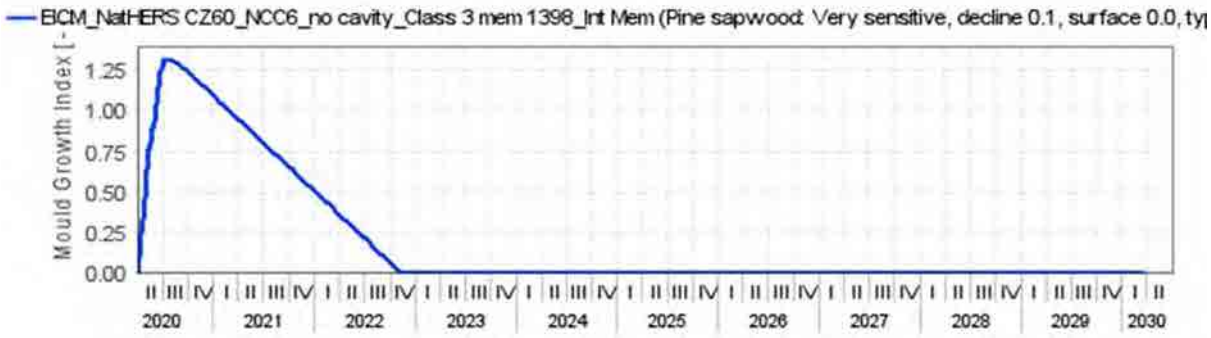

Figure 261: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

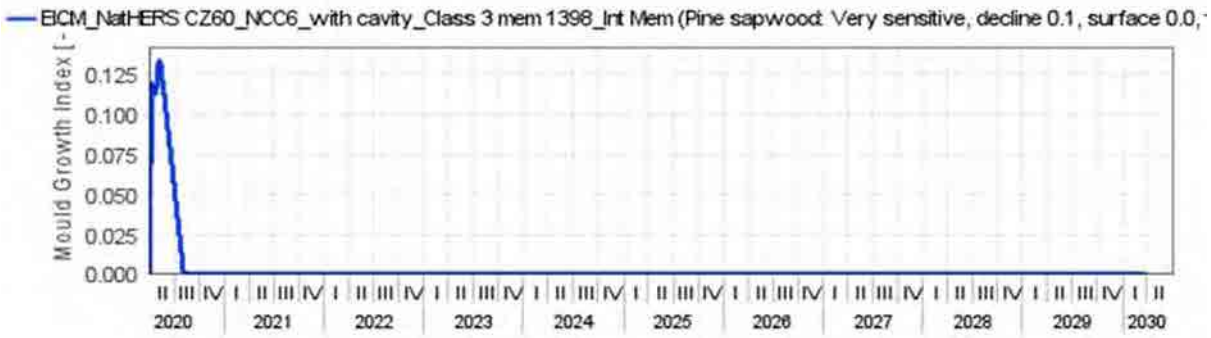

Figure 262: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

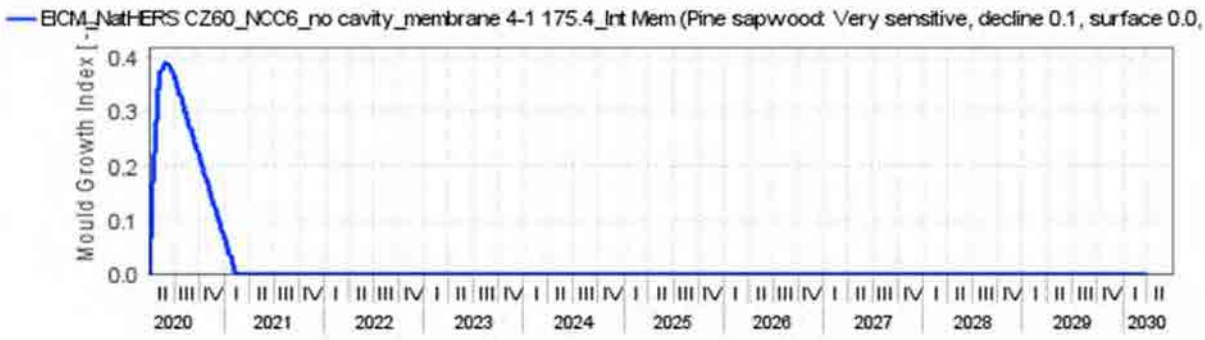

Figure 263: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

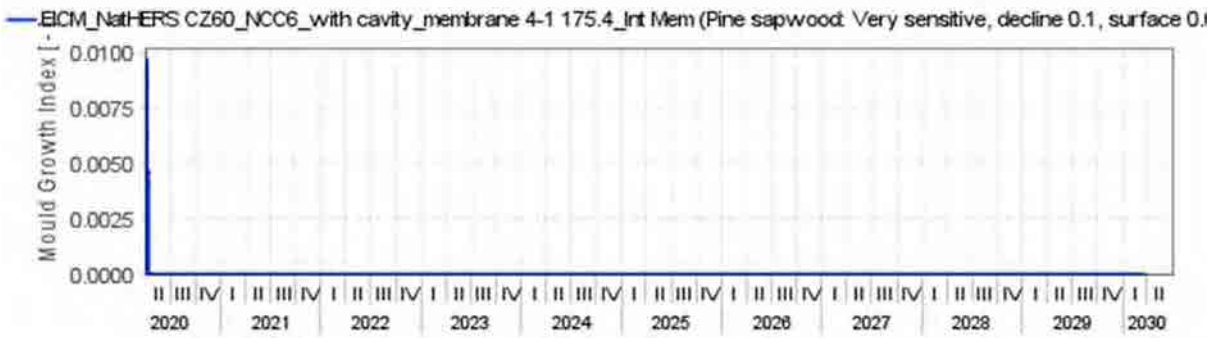

Figure 264: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

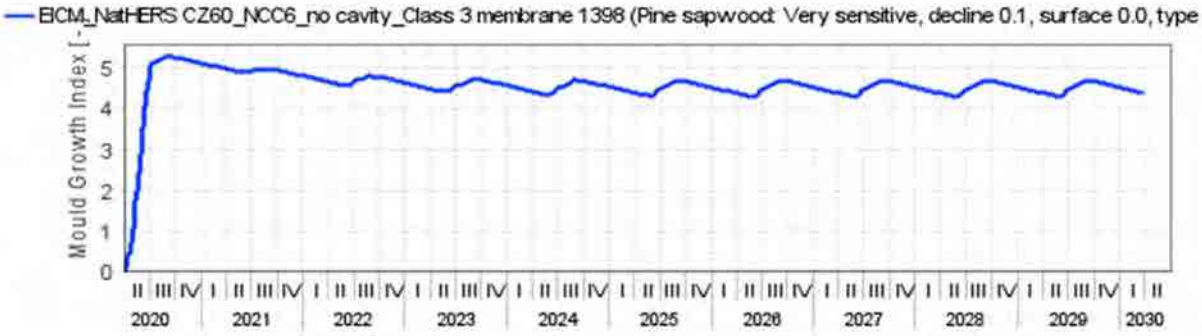

Figure 265: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

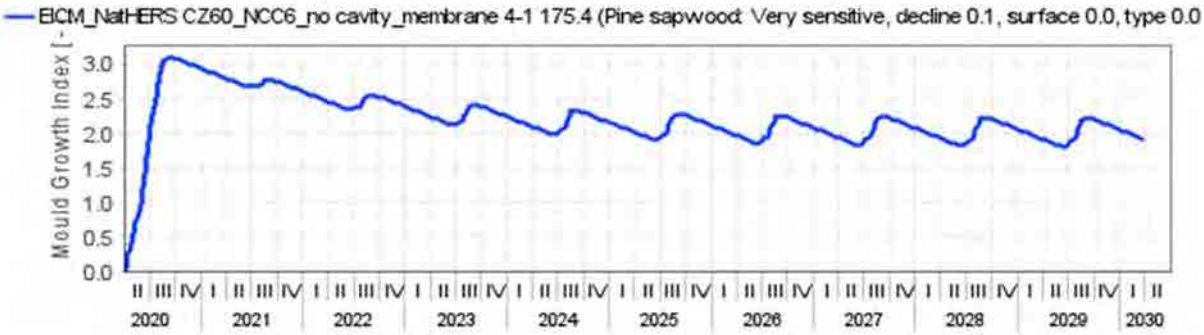

Figure 266: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

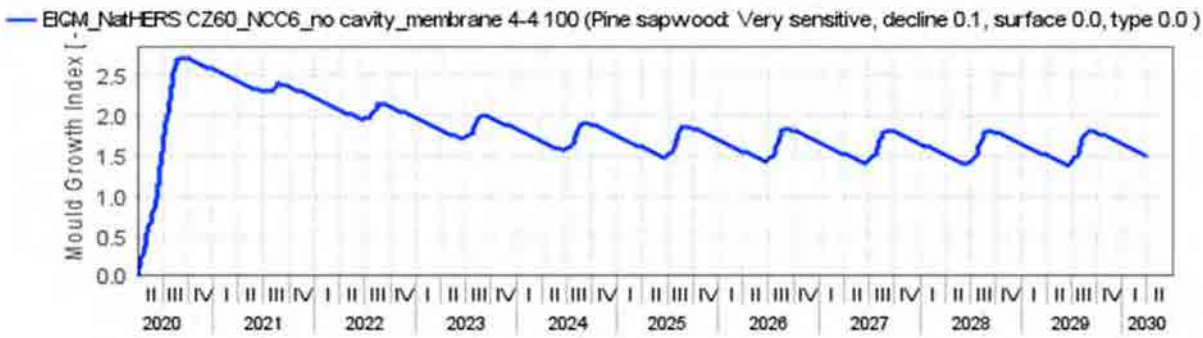

Figure 267 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

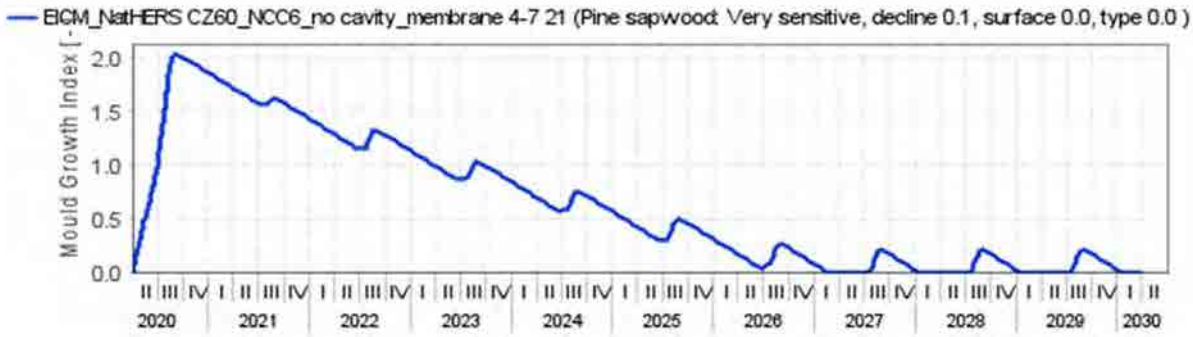

Figure 268: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

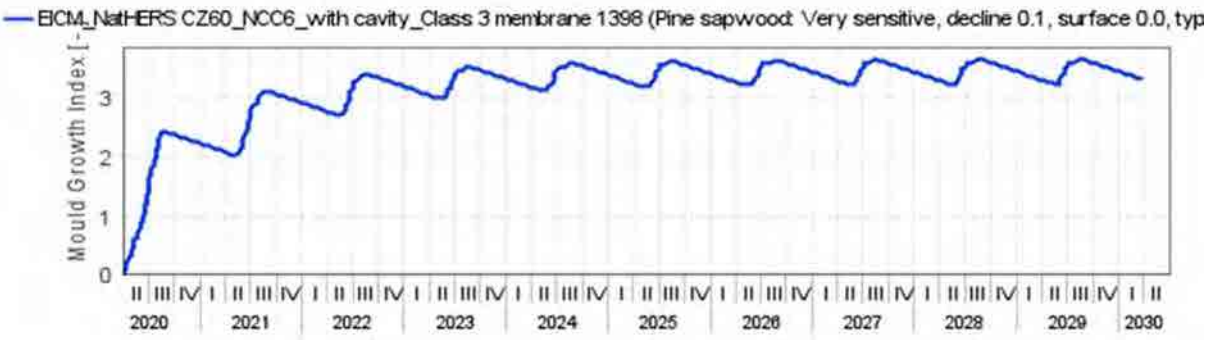

Figure 269: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

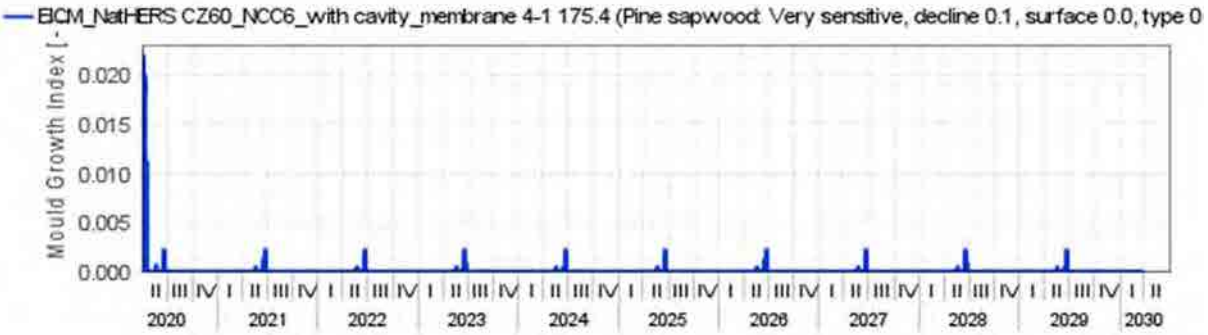

Figure 270: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

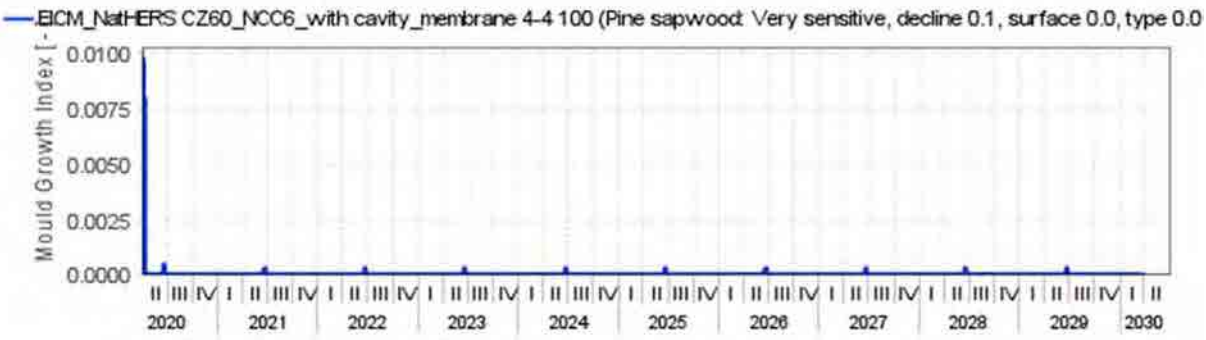

Figure 271 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

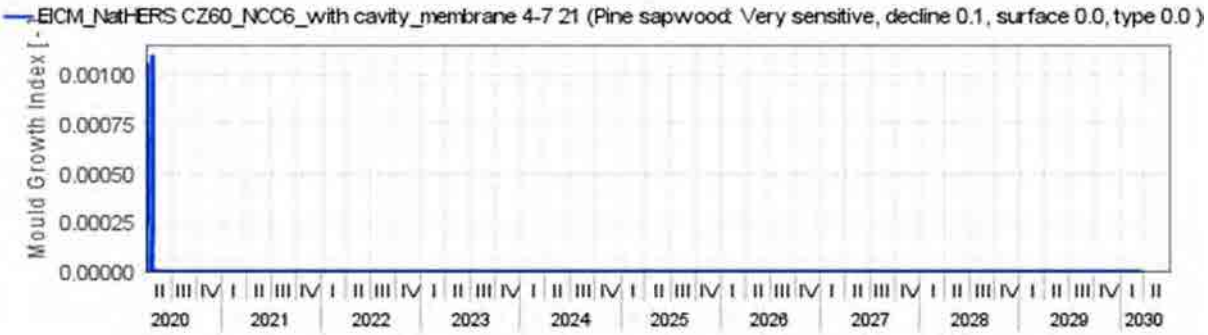

Figure 272: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

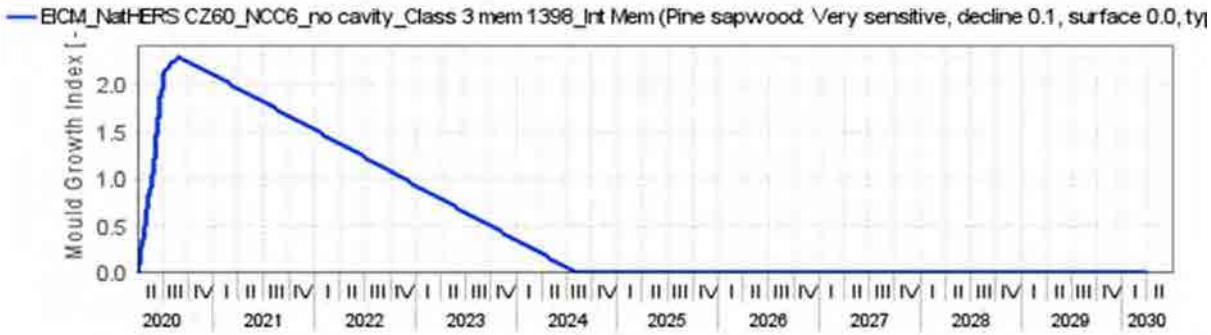

Figure 273: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

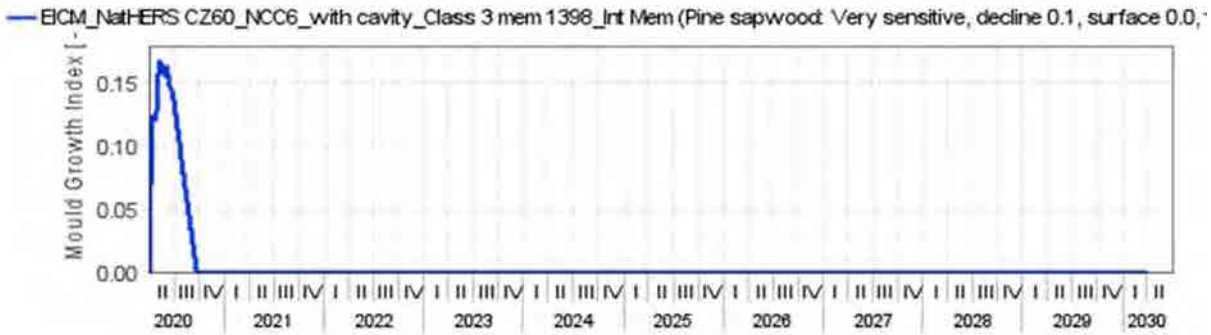

Figure 274: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

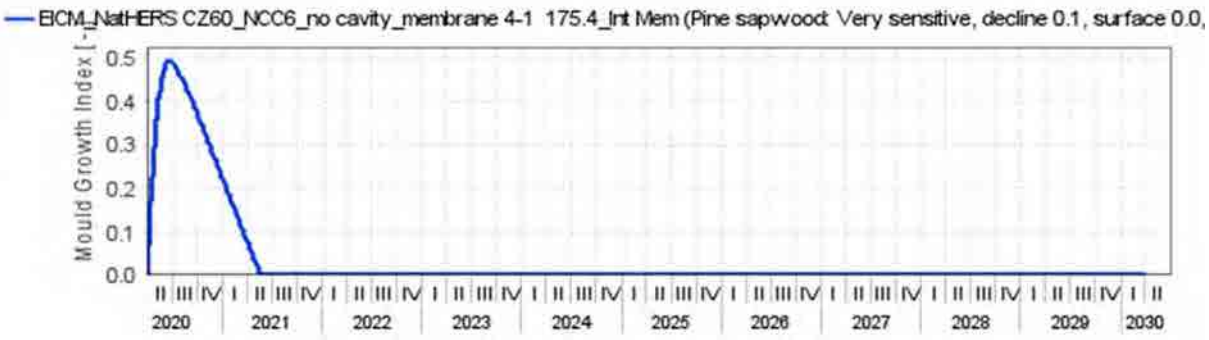

Figure 275: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

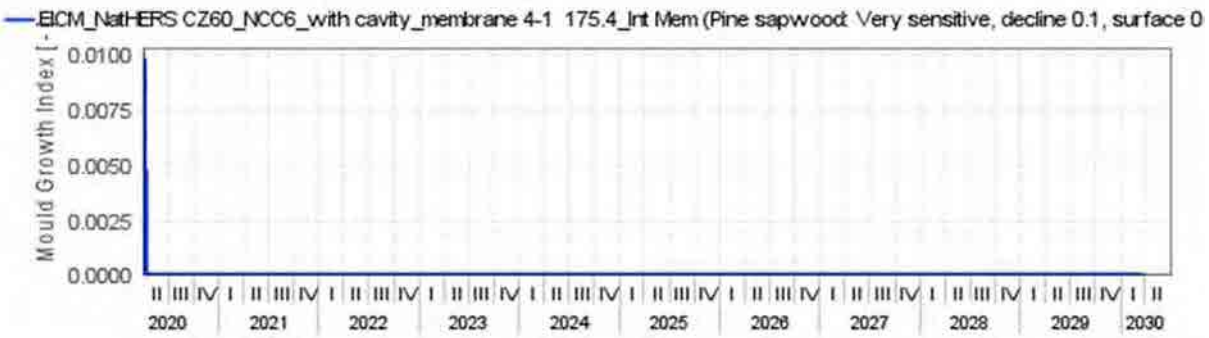

Figure 276: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

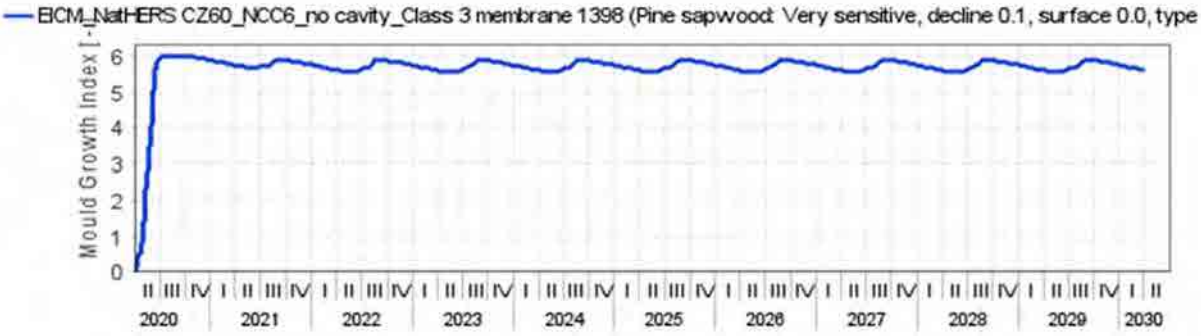

Figure 277: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

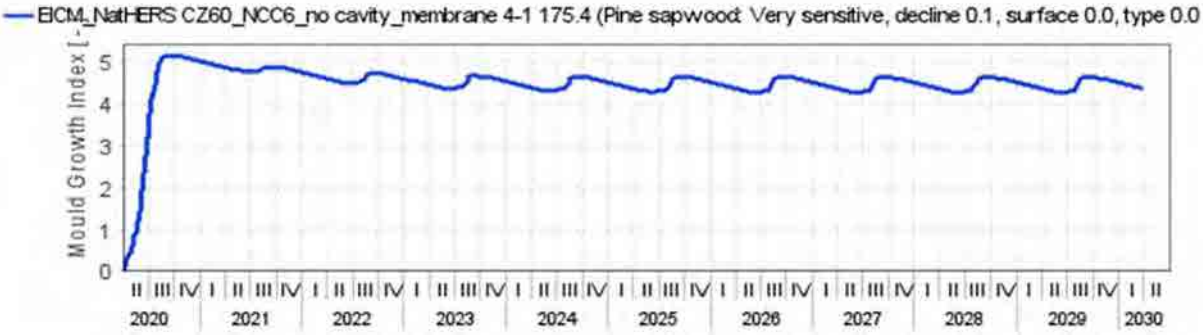

Figure 278: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

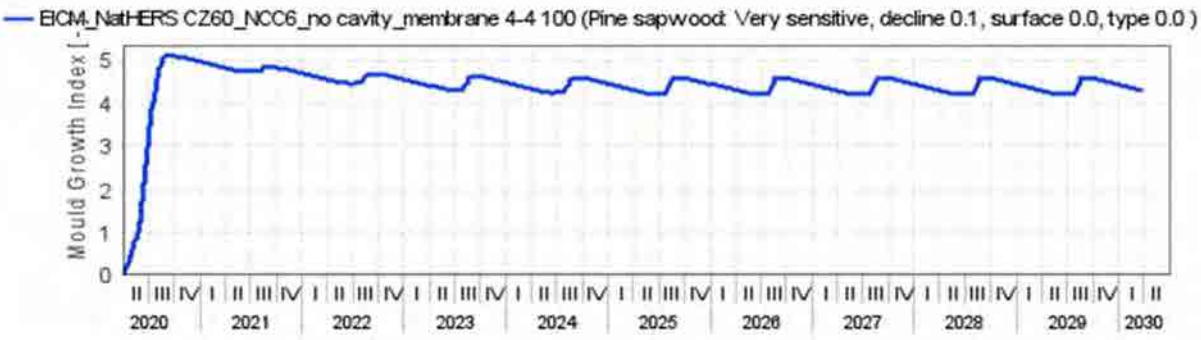

Figure 279 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

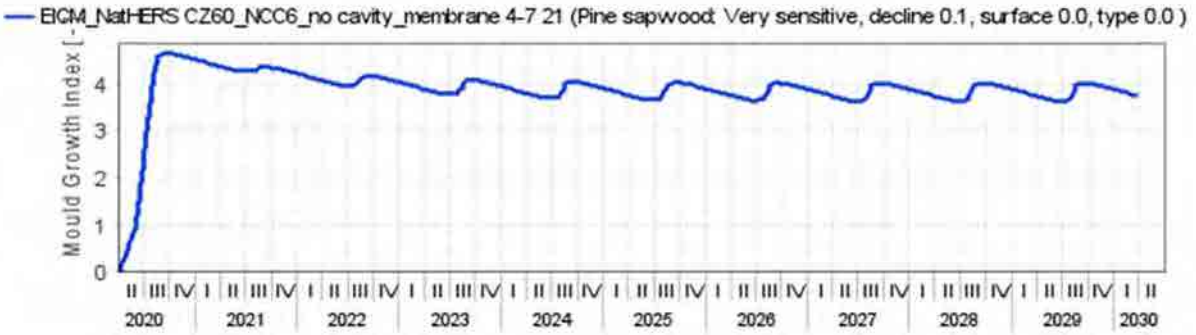

Figure 280: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

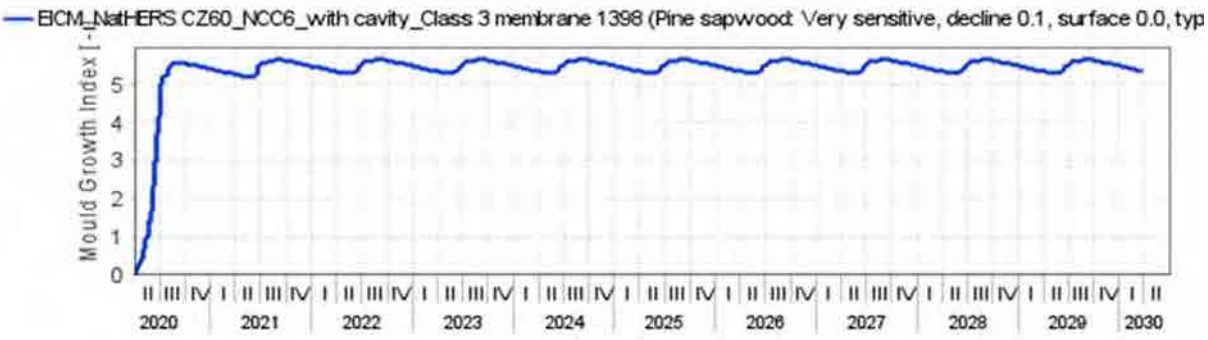

Figure 281: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

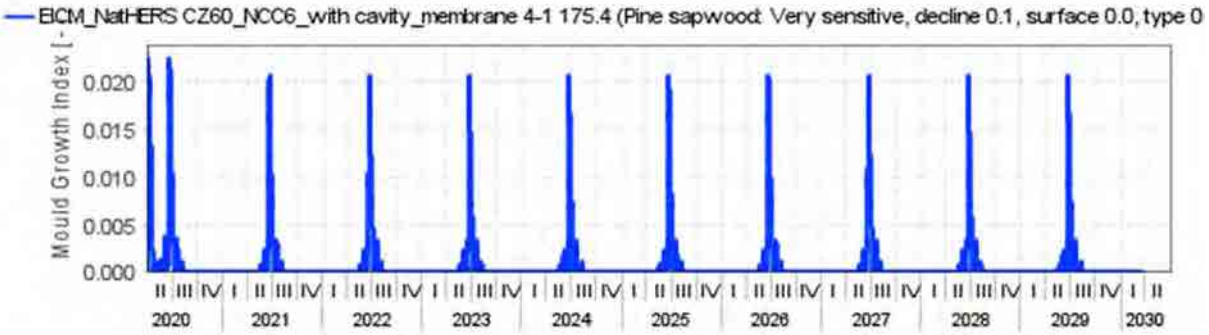

Figure 282: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

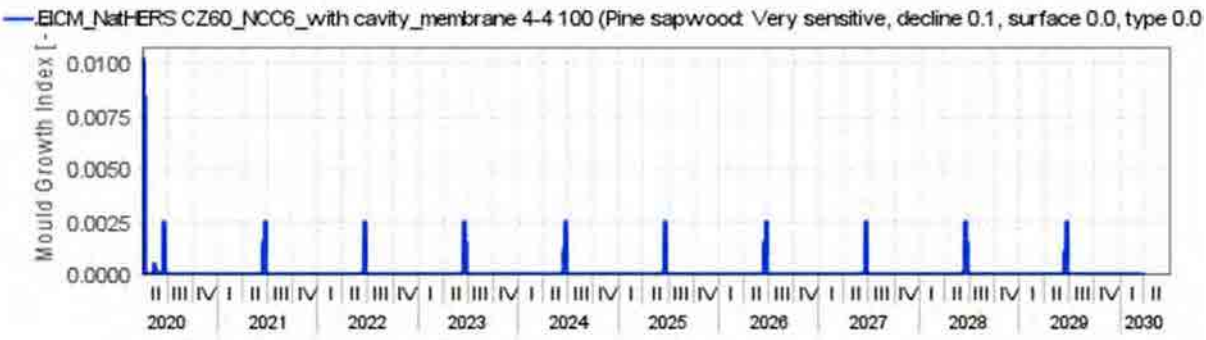

Figure 283 Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

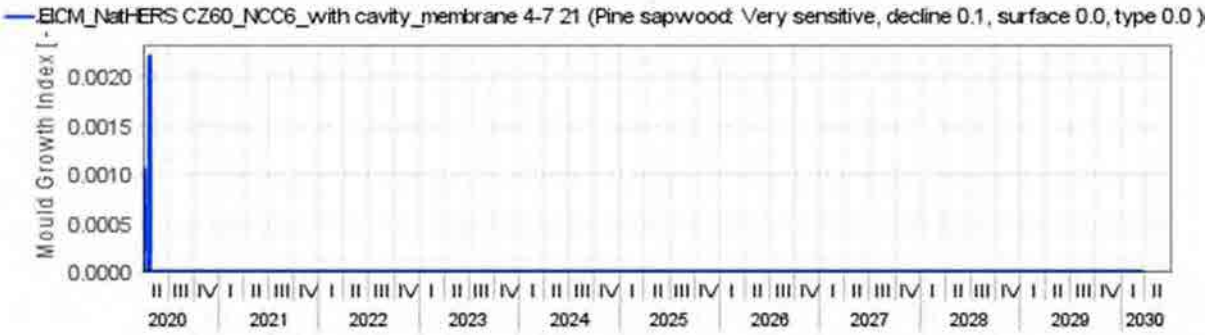

Figure 284: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

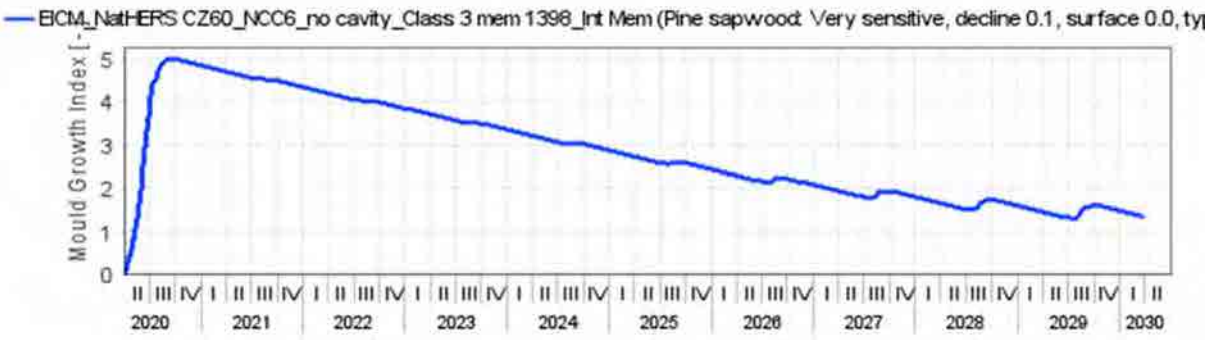

Figure 285: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

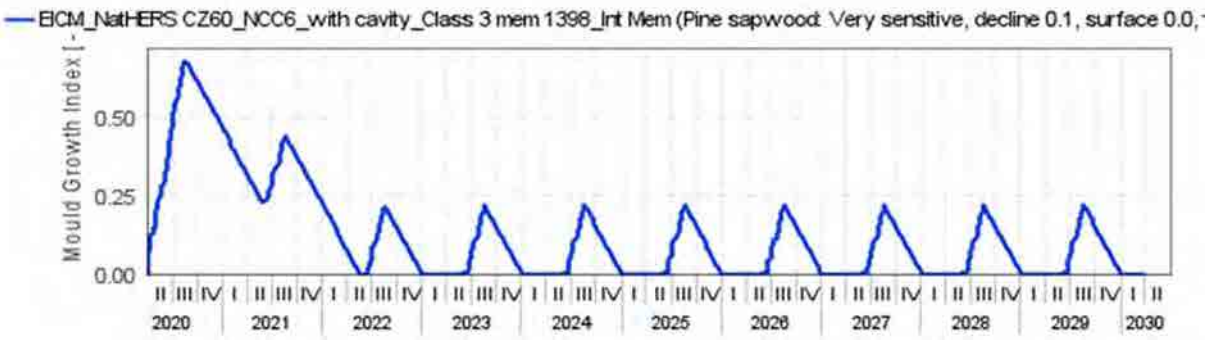

Figure 286: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

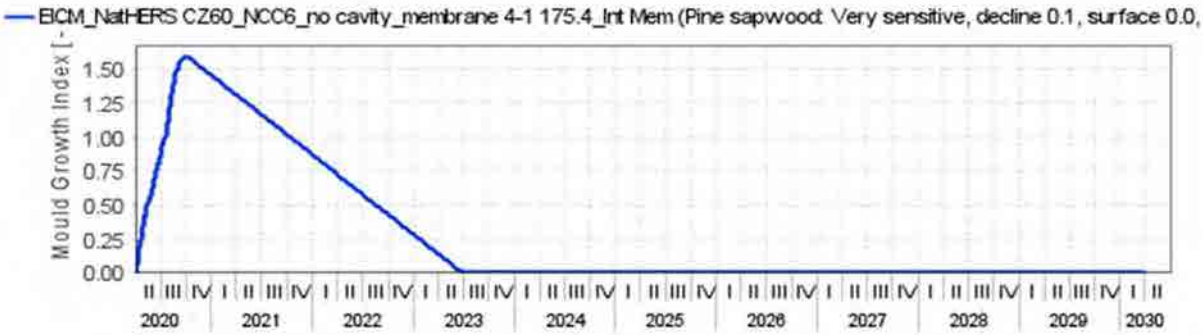

Figure 287: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

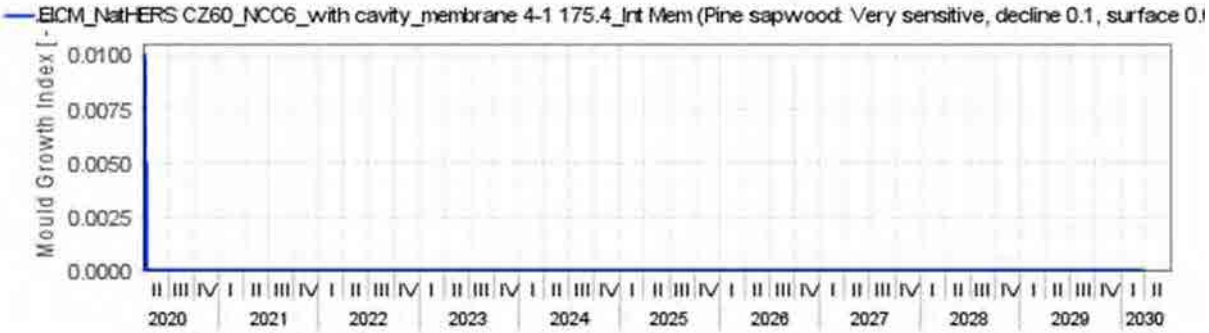

Figure 288: Ext. Ins. Clay Masonry NatHERS CZ 60 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

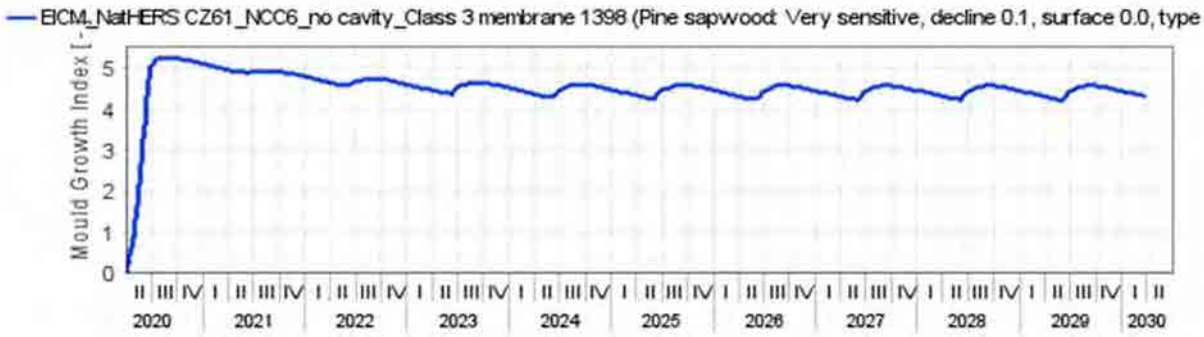

Figure 289: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

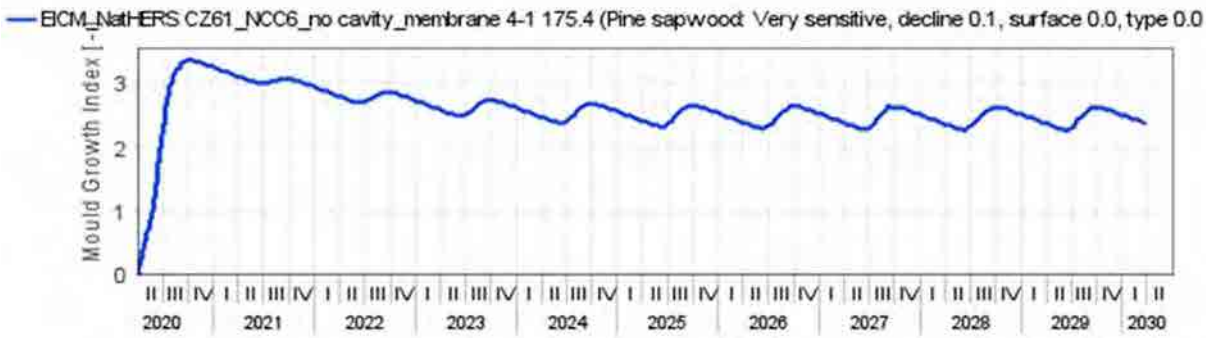

Figure 290: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

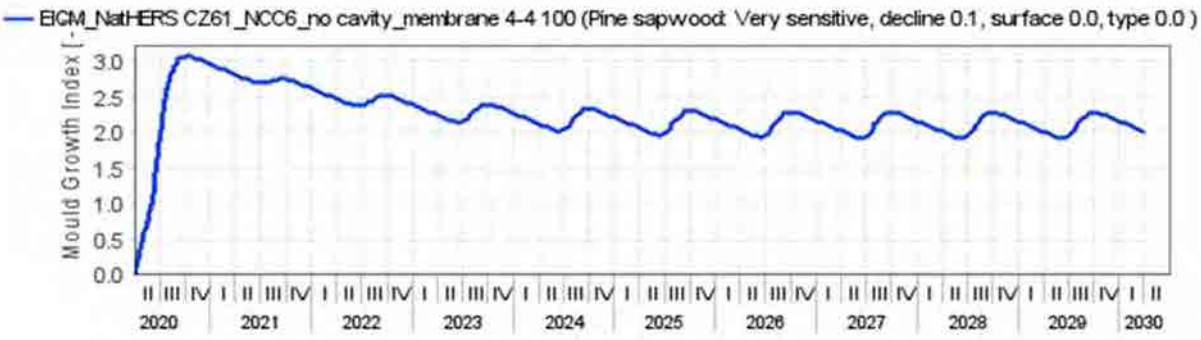

Figure 291 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

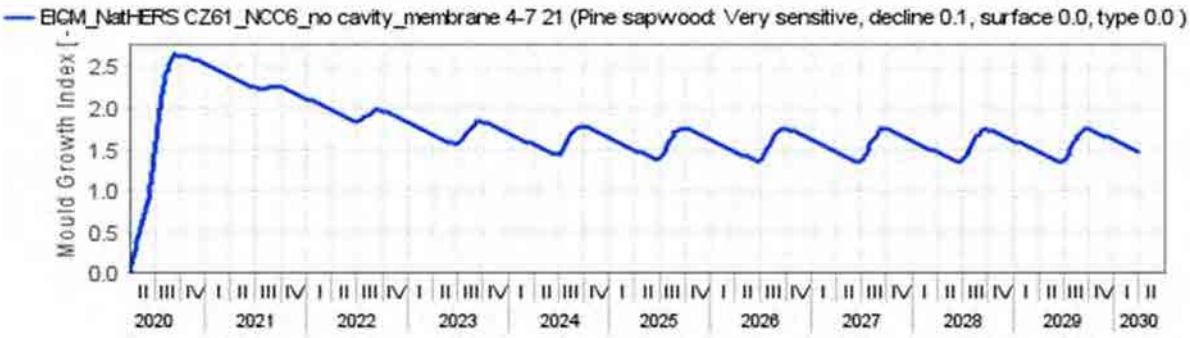

Figure 292: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

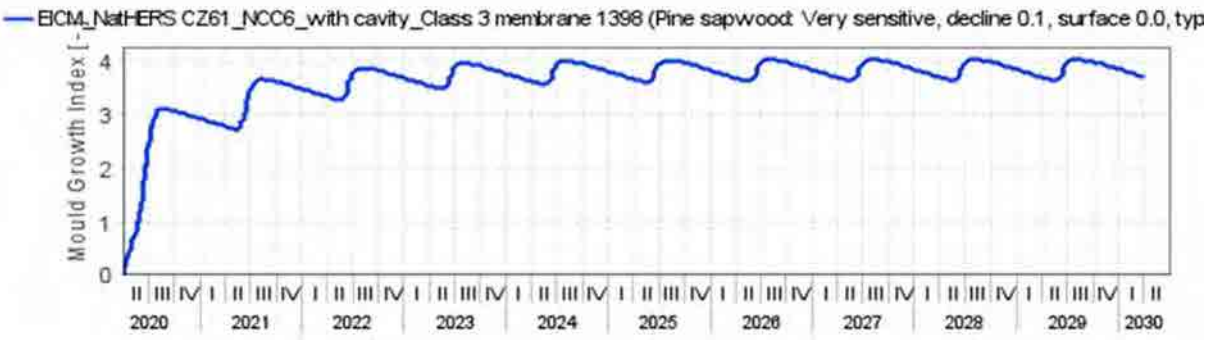

Figure 293: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

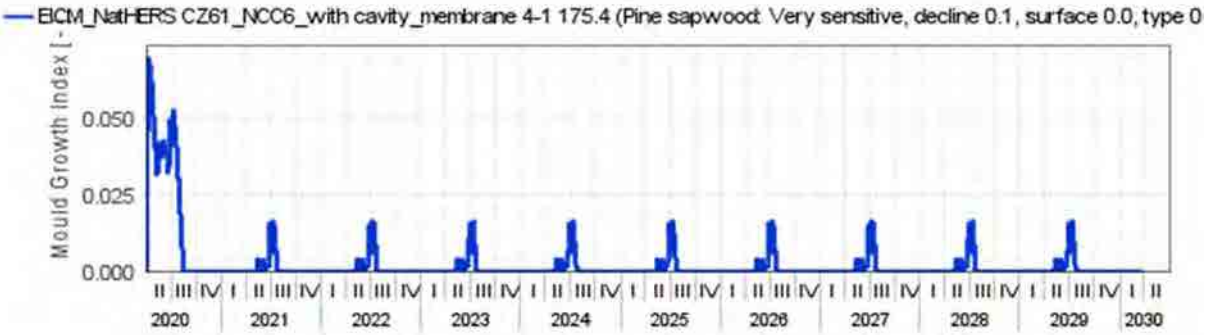

Figure 294: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

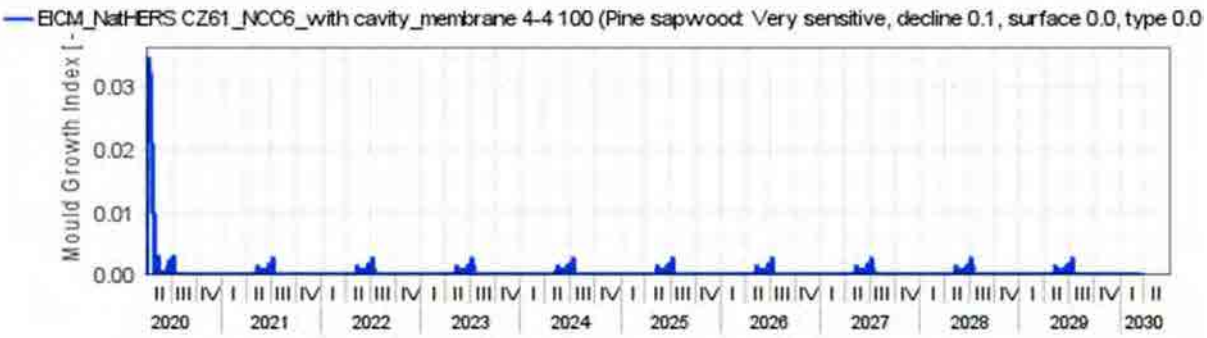

Figure 295 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

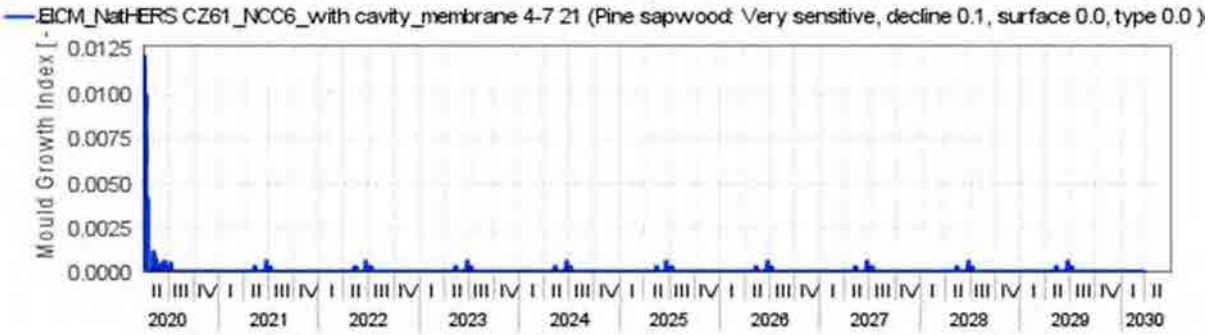

Figure 296: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

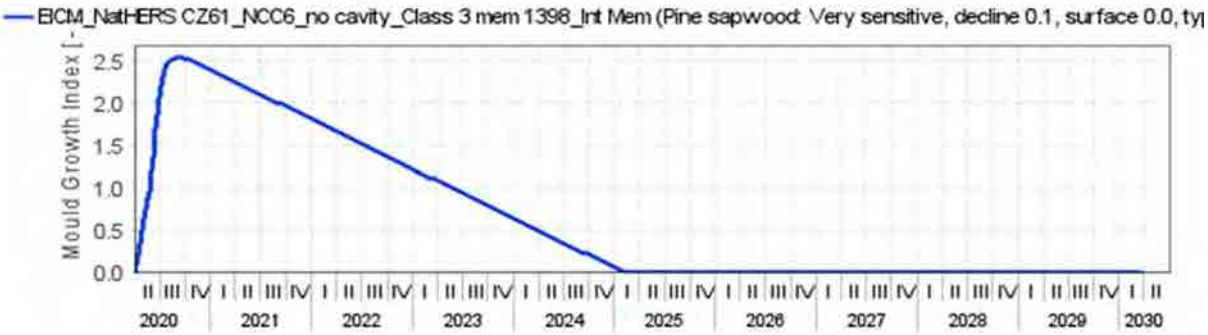

Figure 297: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

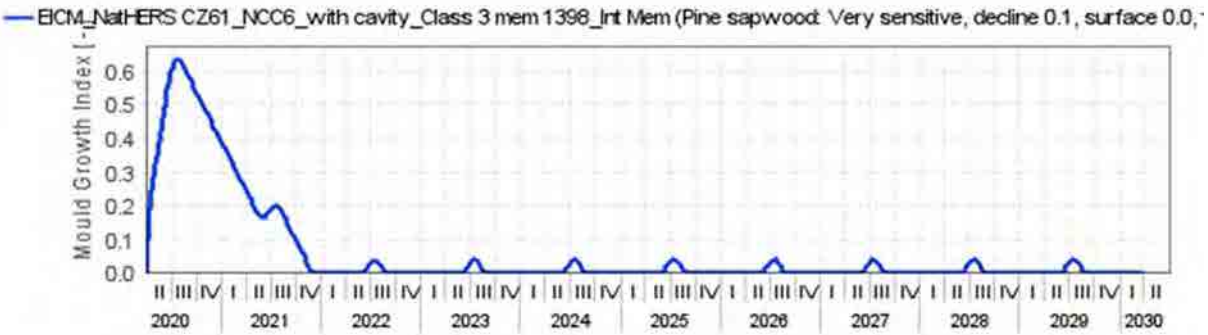

Figure 298: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

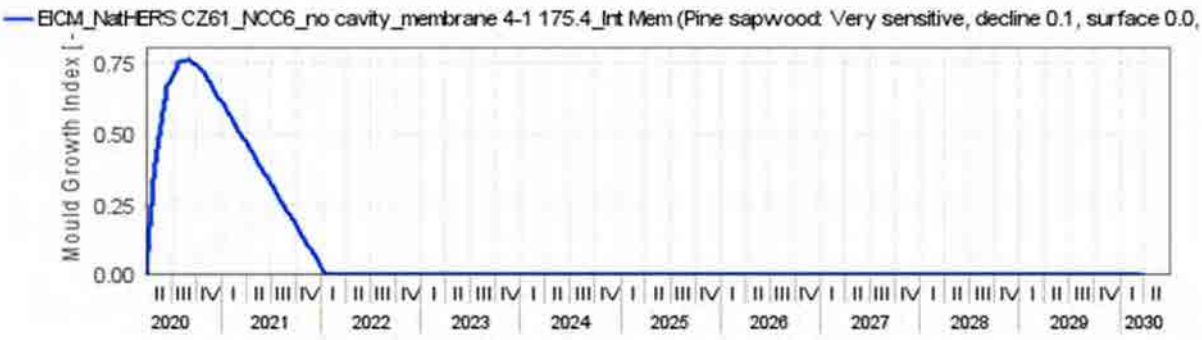

Figure 299: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

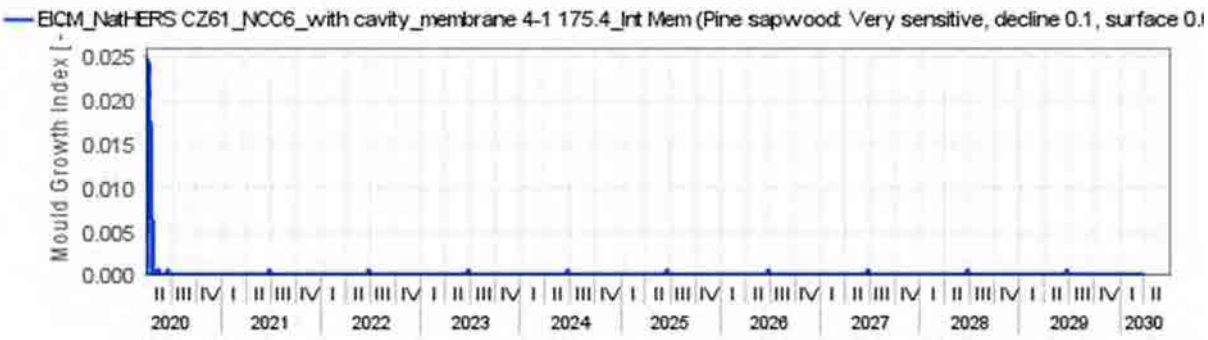

Figure 300: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

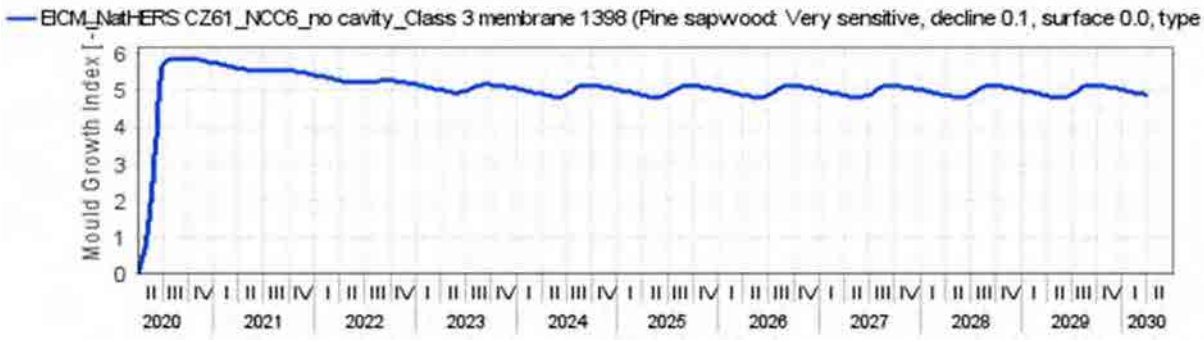

Figure 301: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

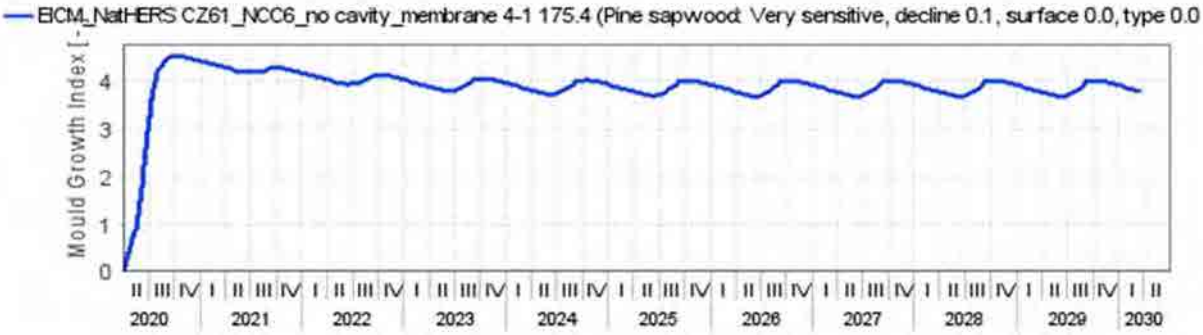

Figure 302: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

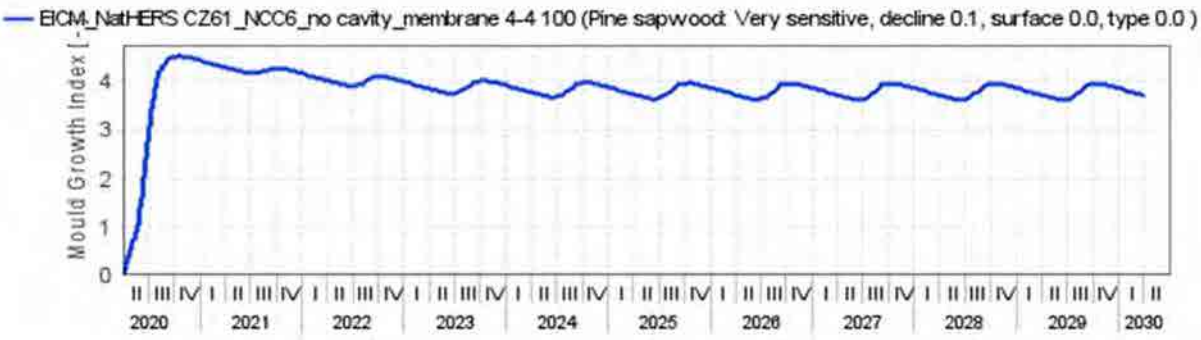

Figure 303 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

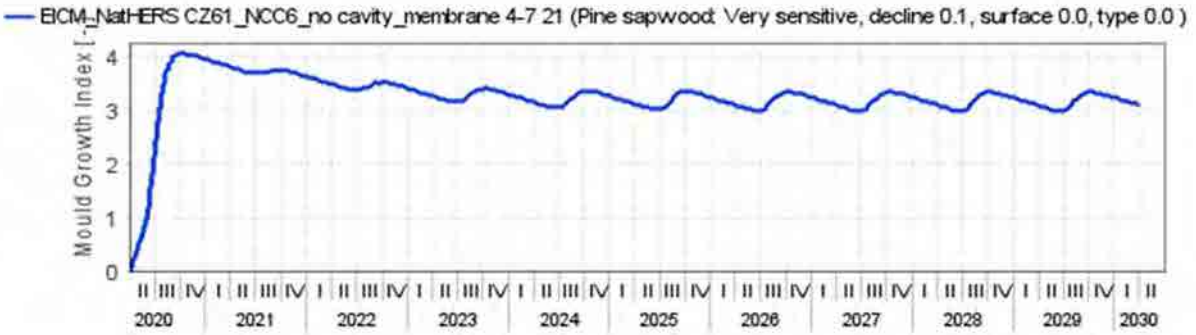

Figure 304: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

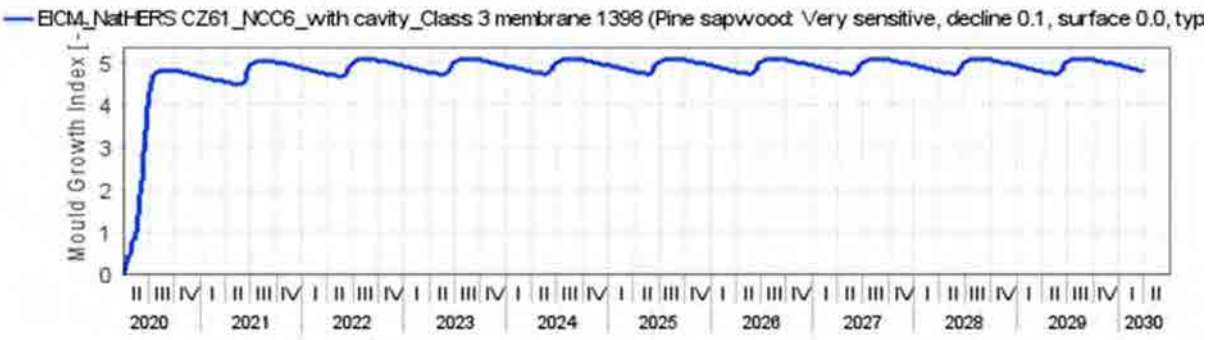

Figure 305: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

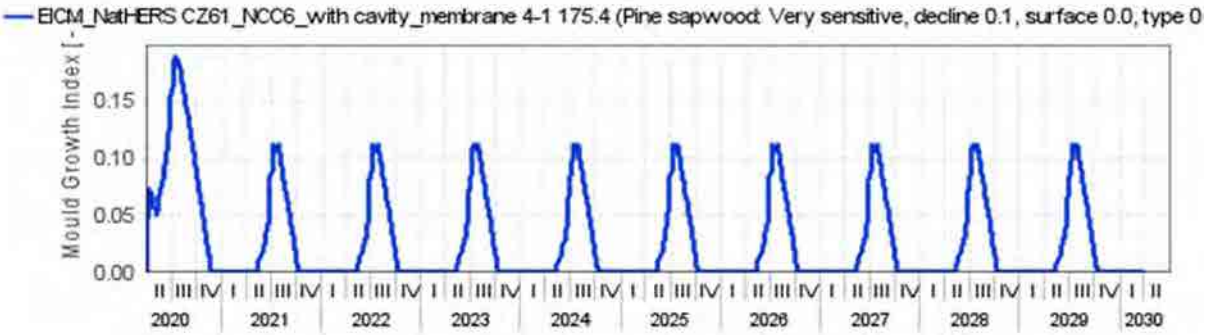

Figure 306: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

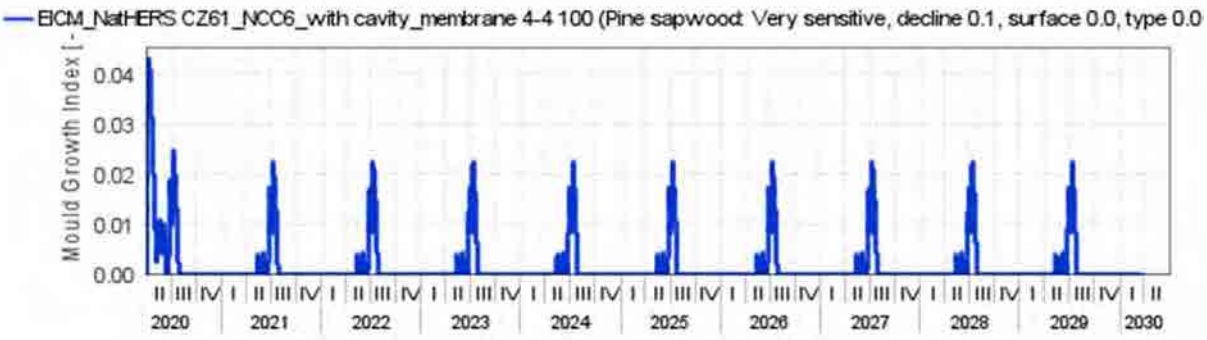

Figure 307 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

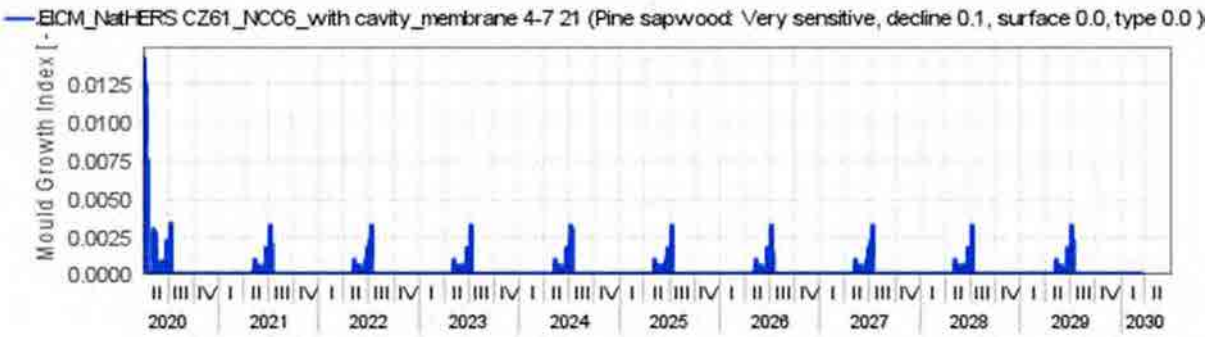

Figure 308: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

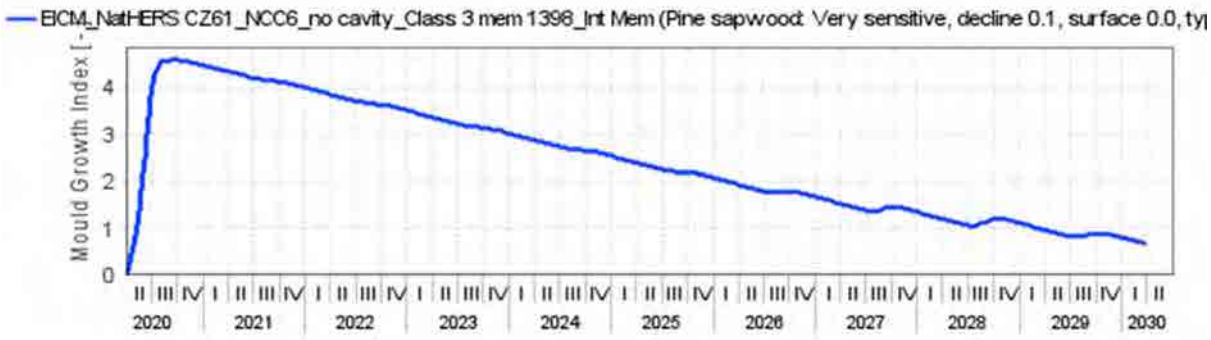

Figure 309: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

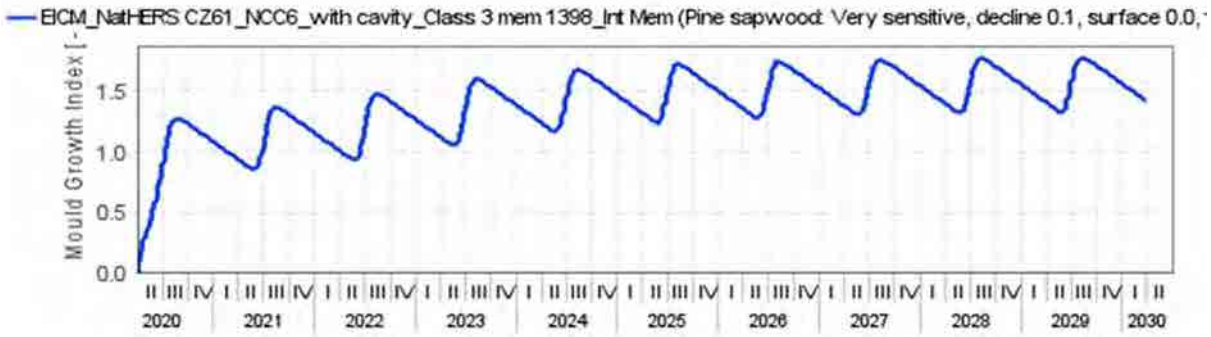

Figure 310: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

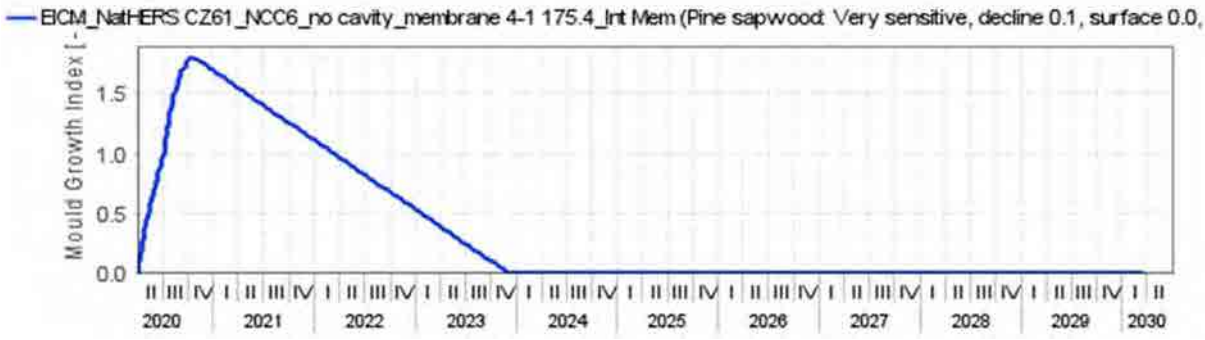

Figure 311: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

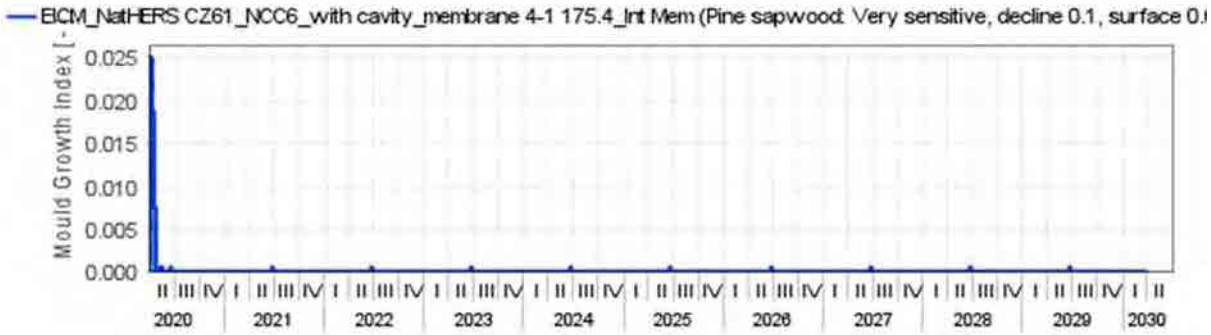

Figure 312: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

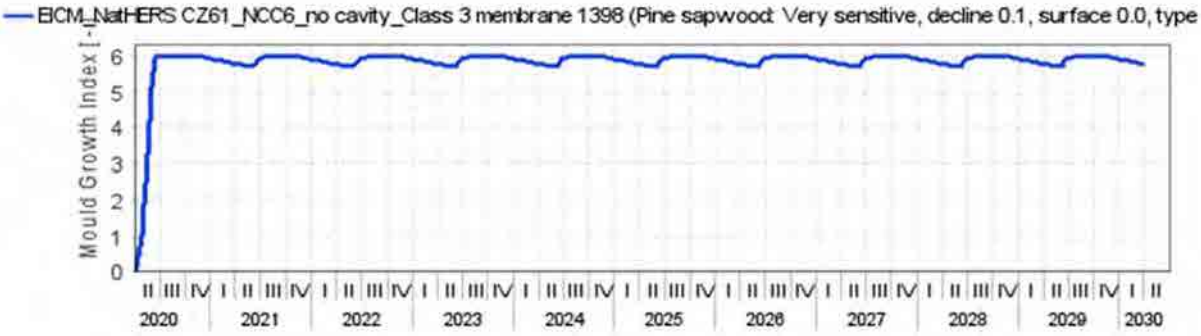

Figure 313: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

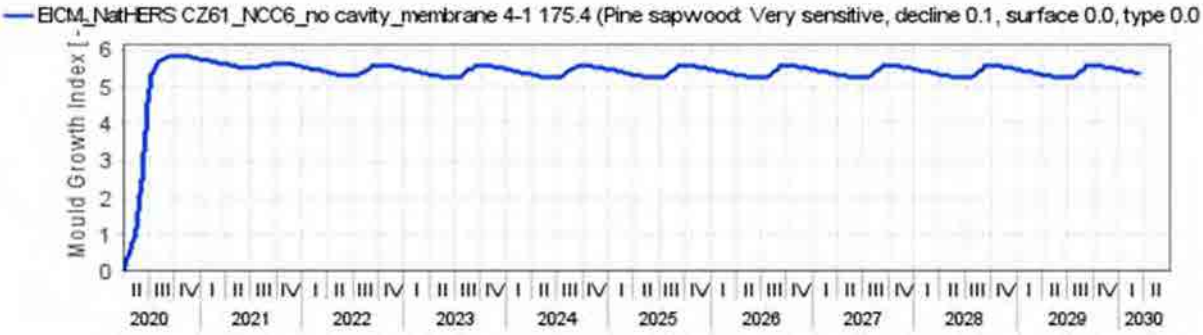

Figure 314: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

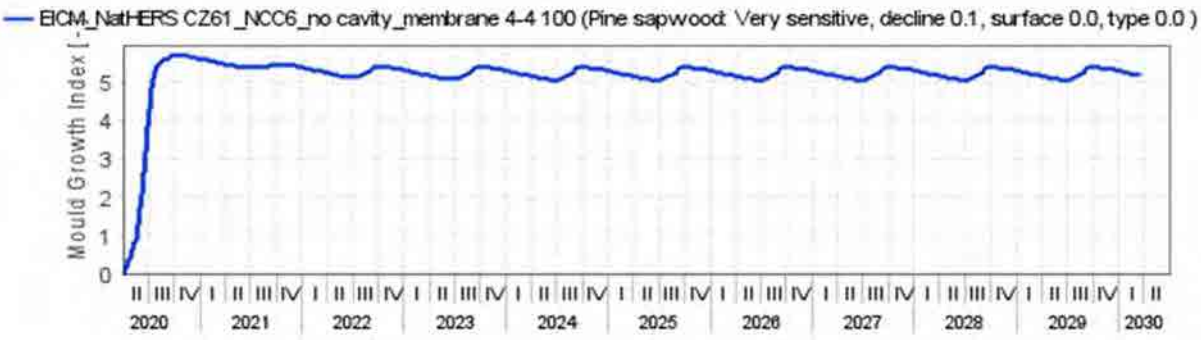

Figure 315 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

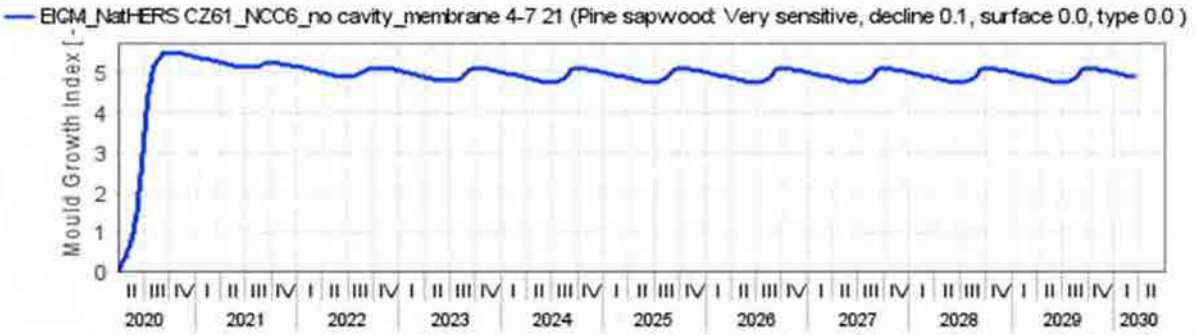

Figure 316: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

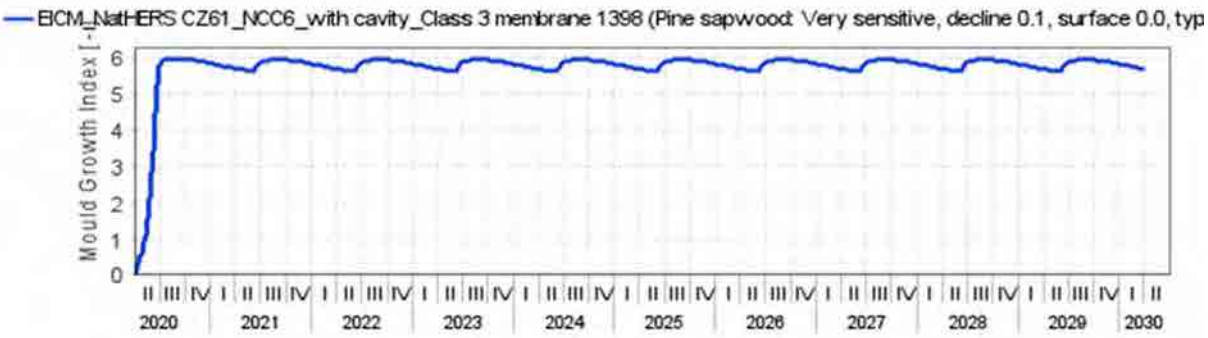

Figure 317: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

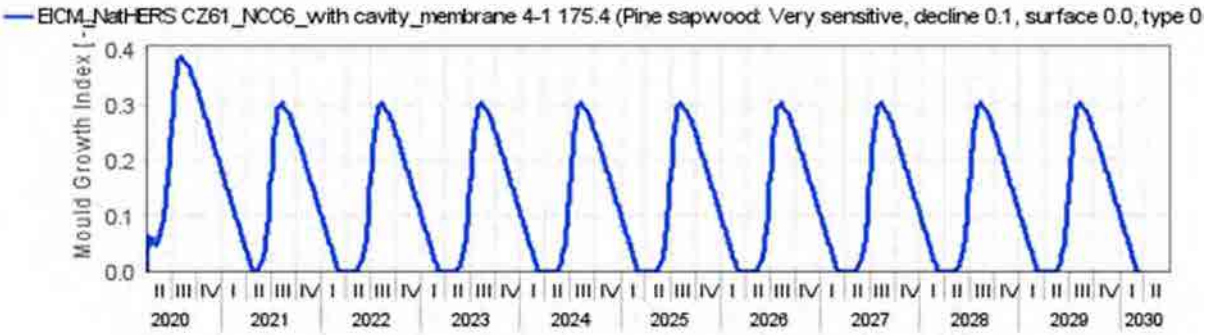

Figure 318: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

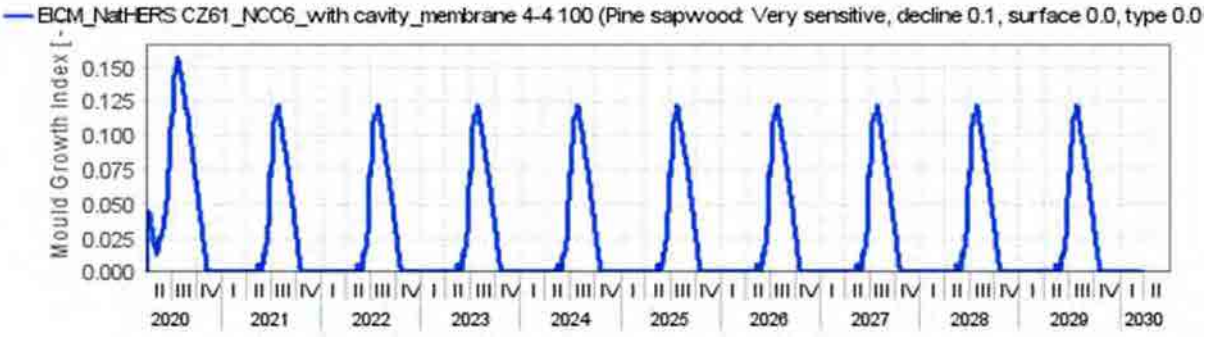

Figure 319 Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

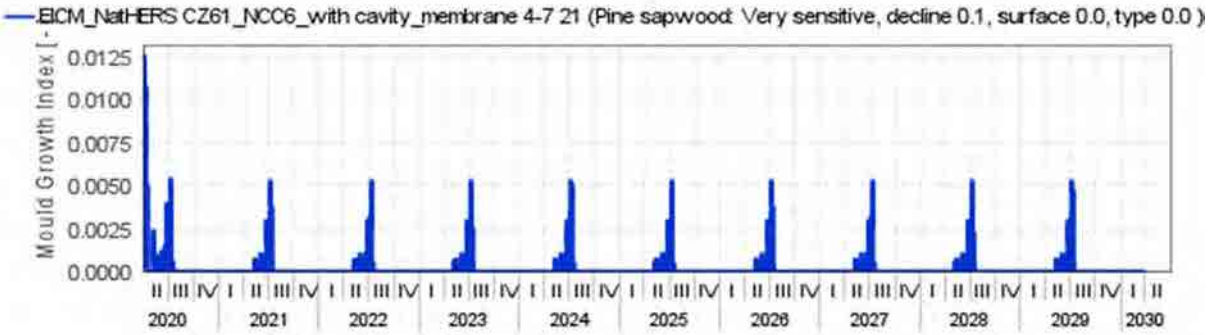

Figure 320: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

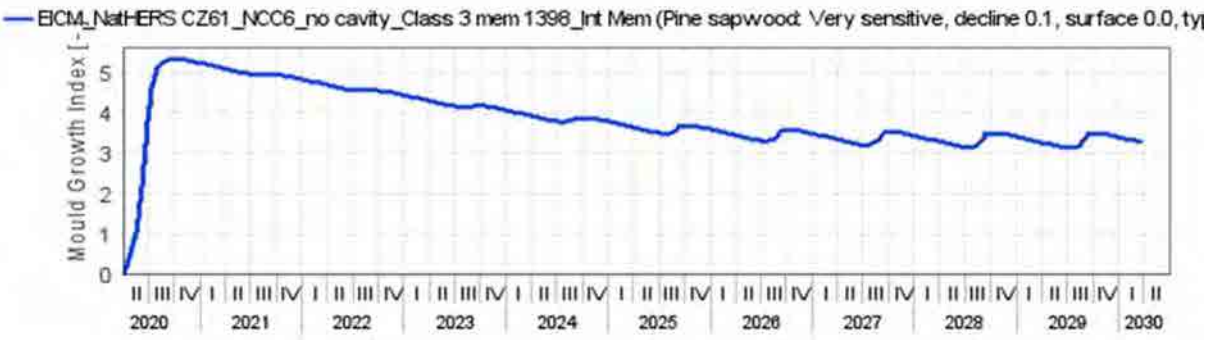

Figure 321: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

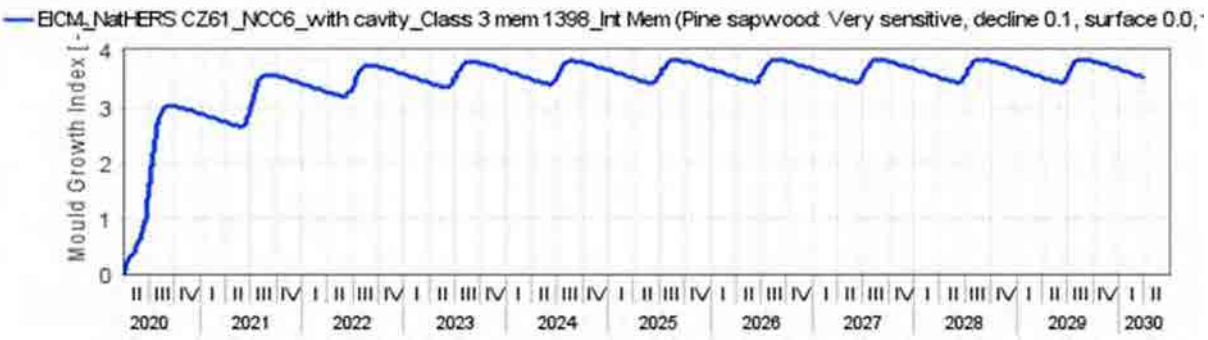

Figure 322: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

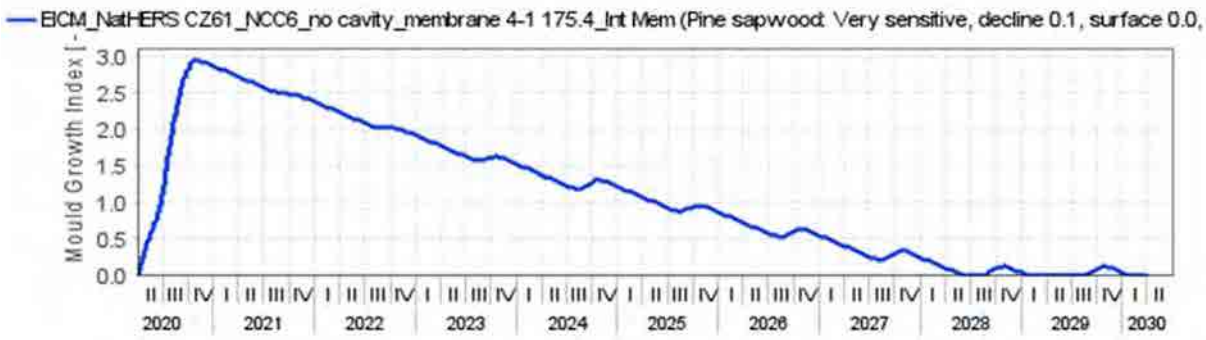

Figure 323: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

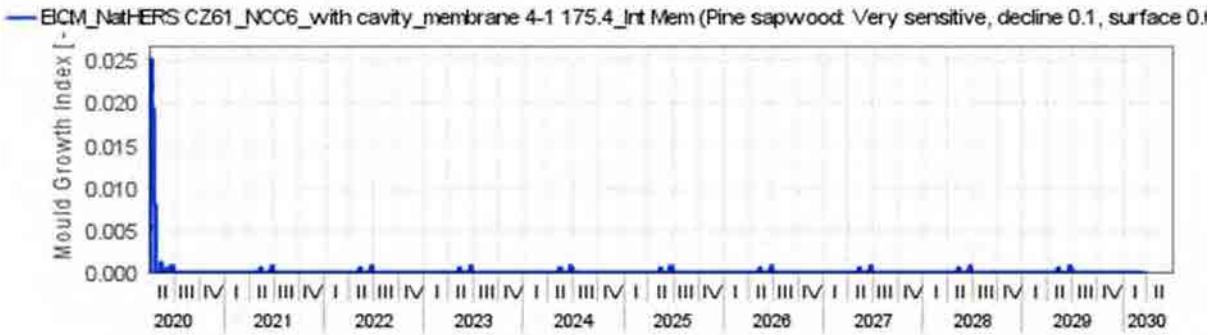

Figure 324: Ext. Ins. Clay Masonry NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

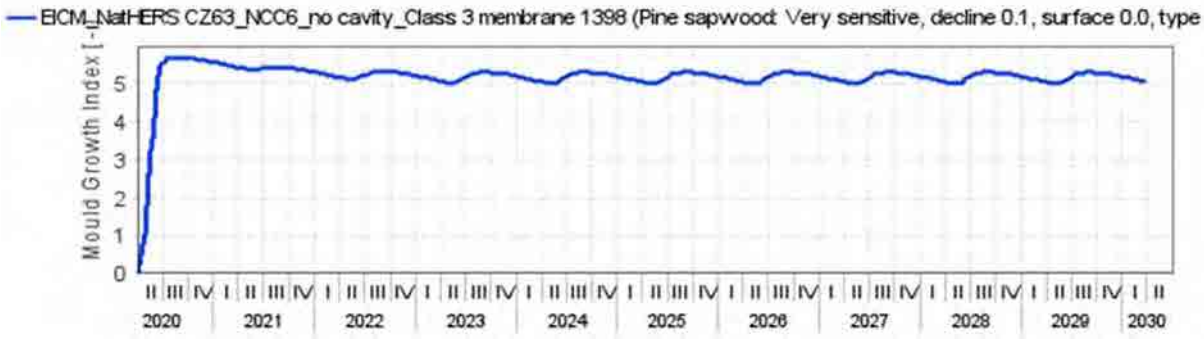

Figure 325: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

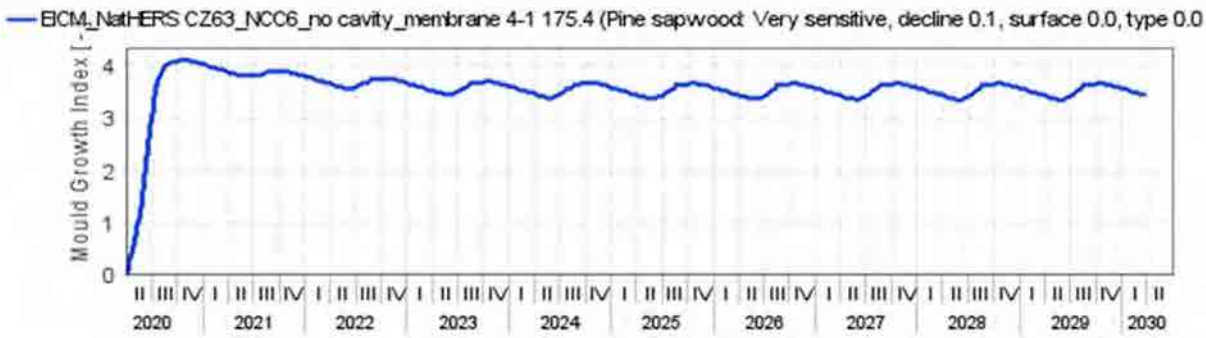

Figure 326: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

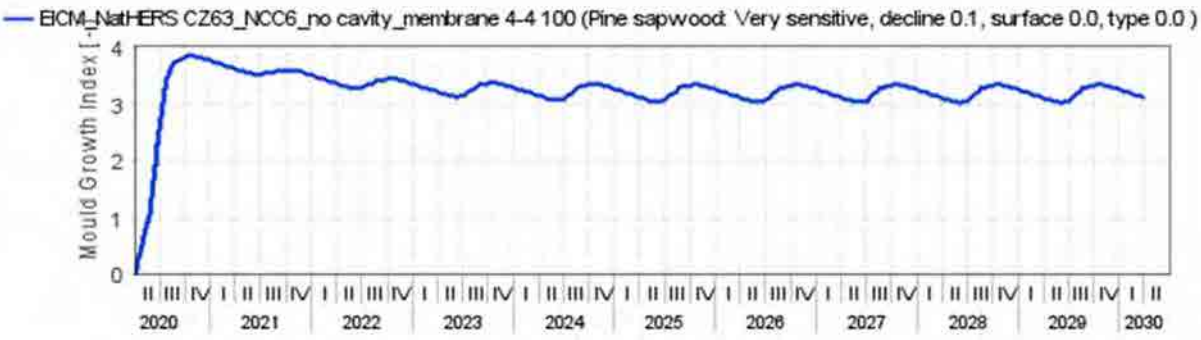

Figure 327 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

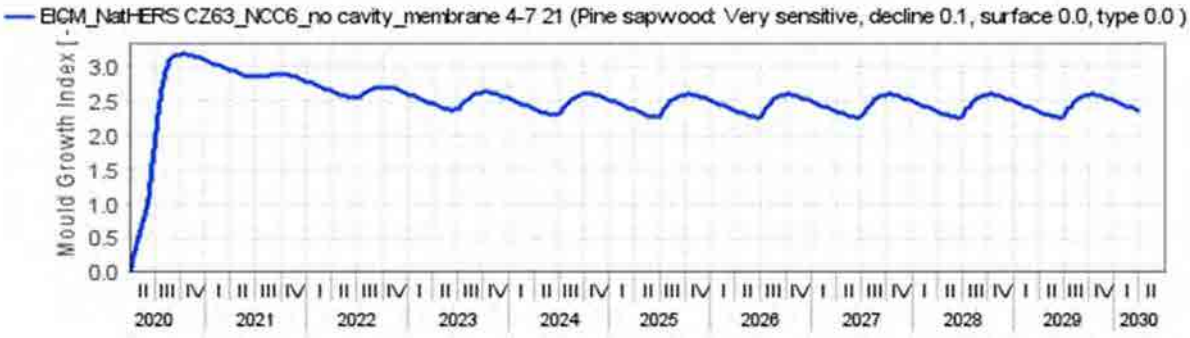

Figure 328: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

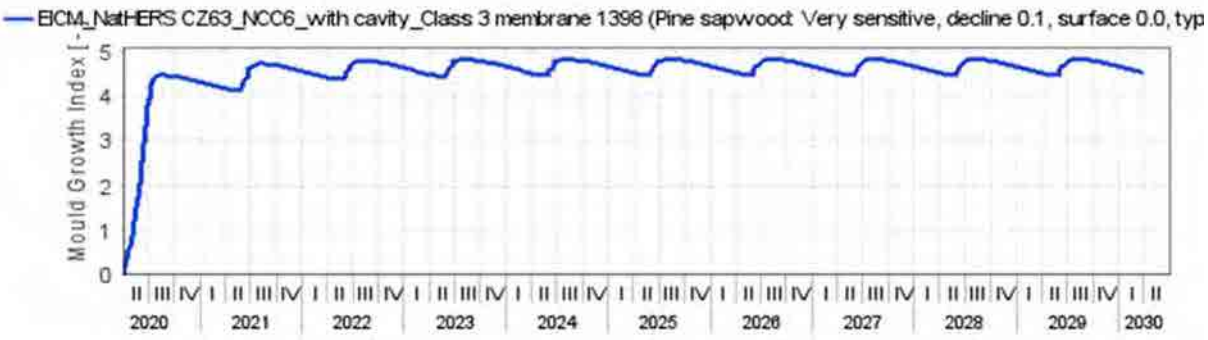

Figure 329: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

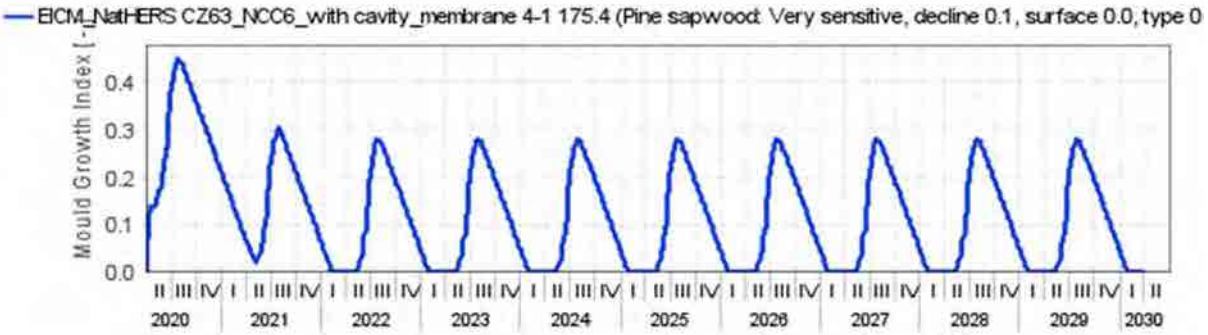

Figure 330: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

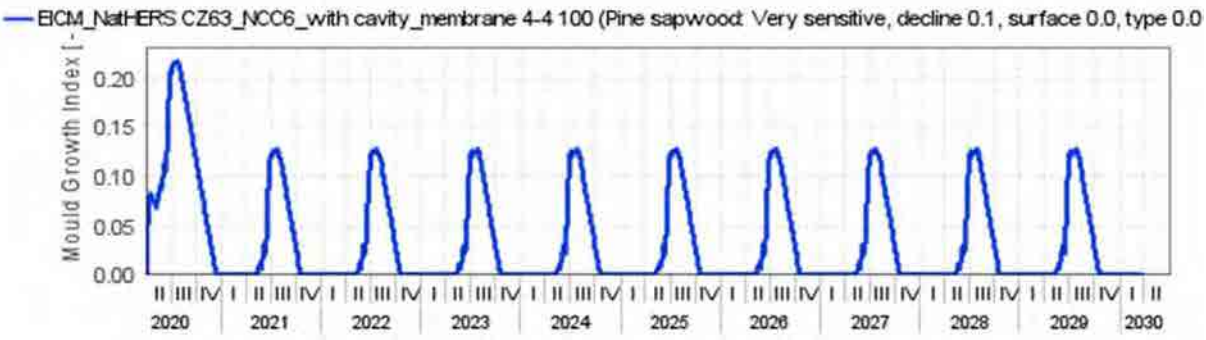

Figure 331 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

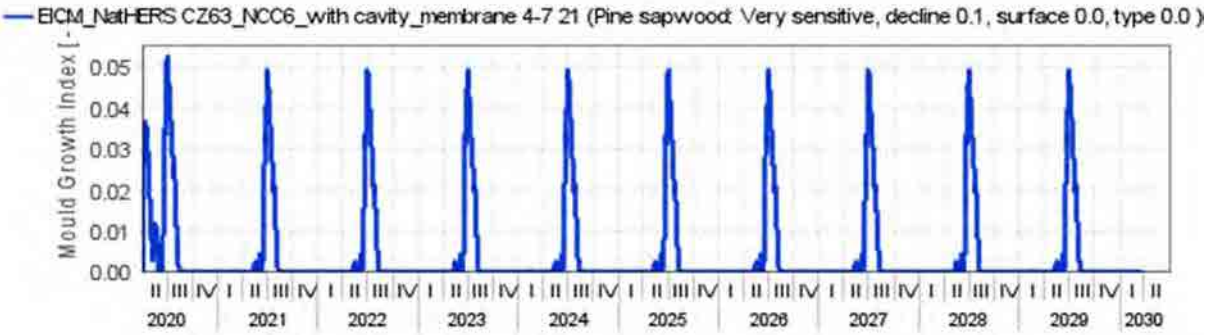

Figure 332: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

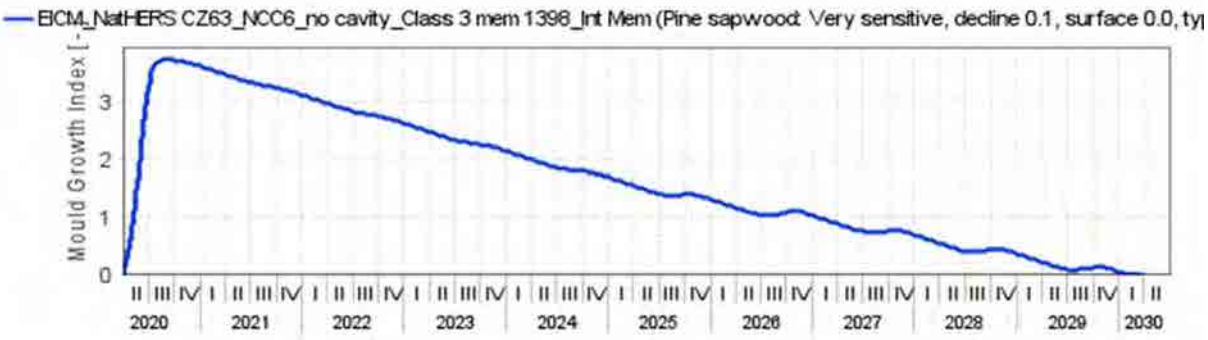

Figure 333: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

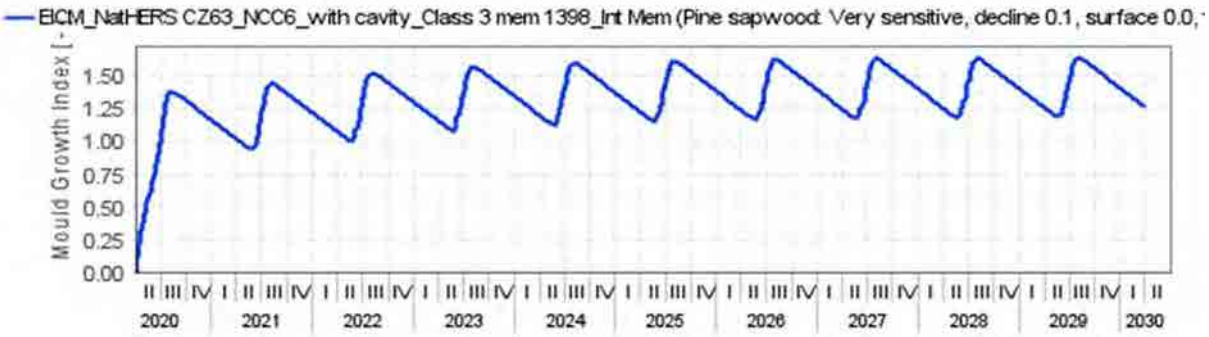

Figure 334: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

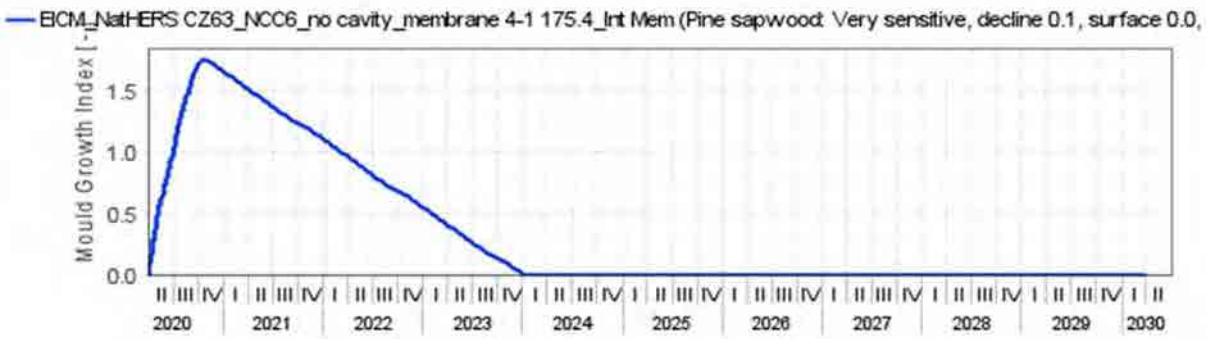

Figure 335: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

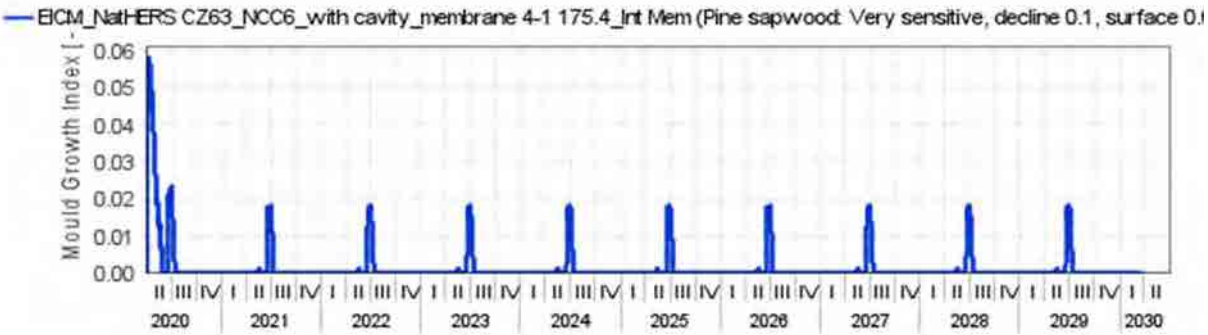

Figure 336: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

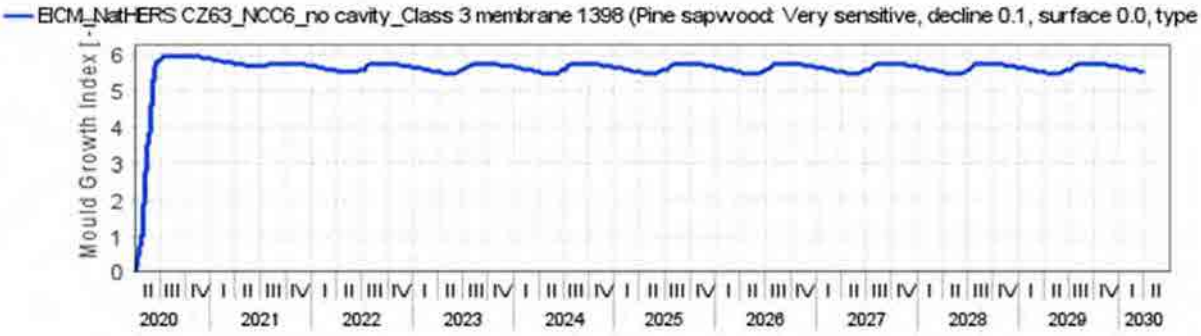

Figure 337: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

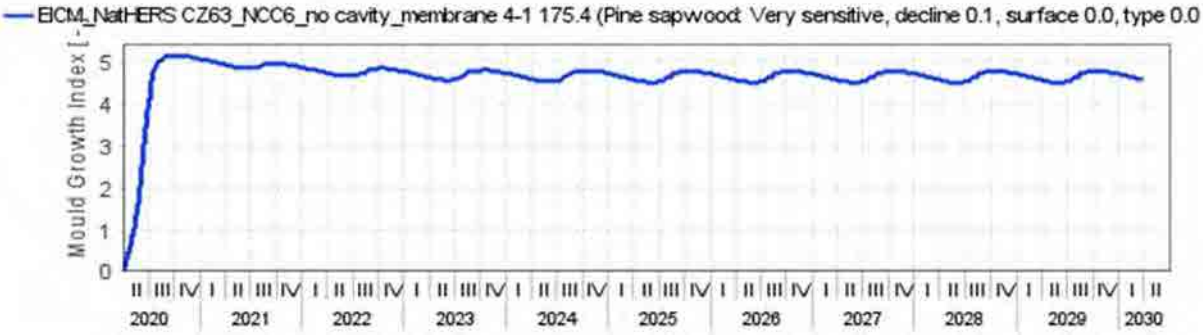

Figure 338: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

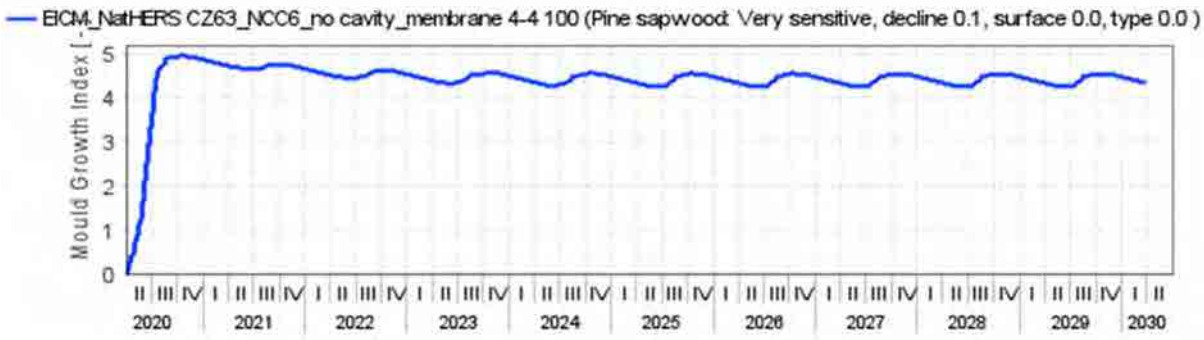

Figure 339 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

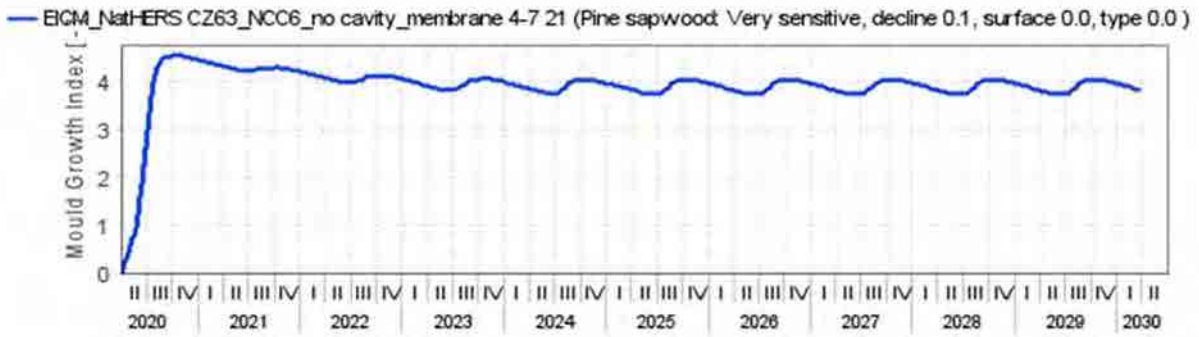

Figure 340: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

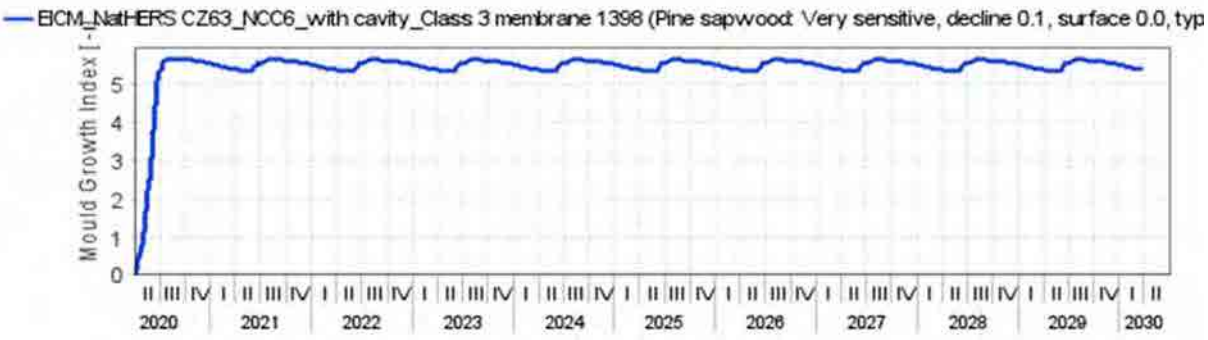

Figure 341: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

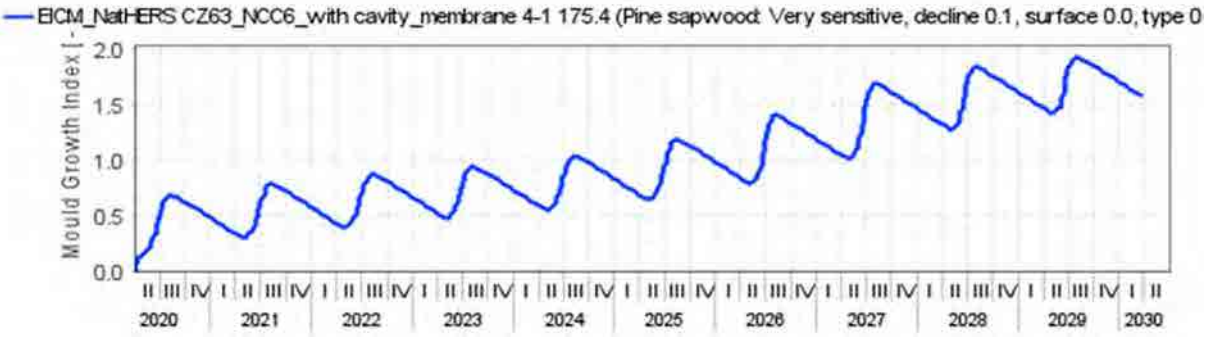

Figure 342: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

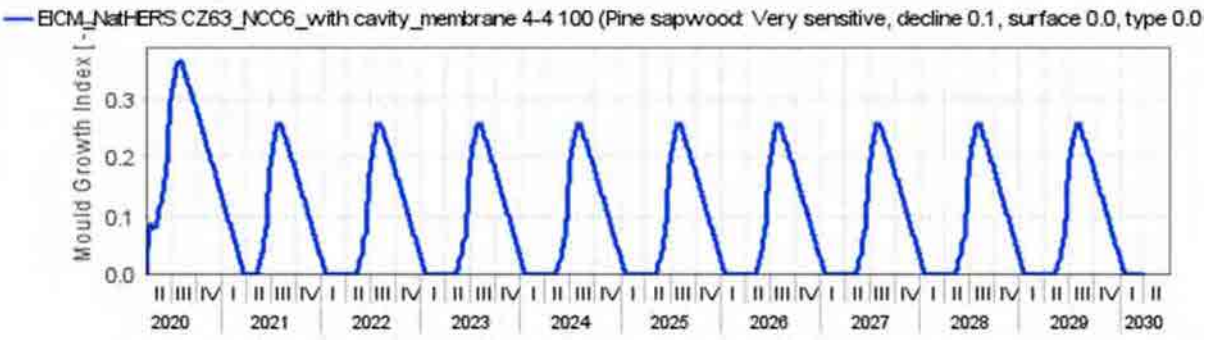

Figure 343 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

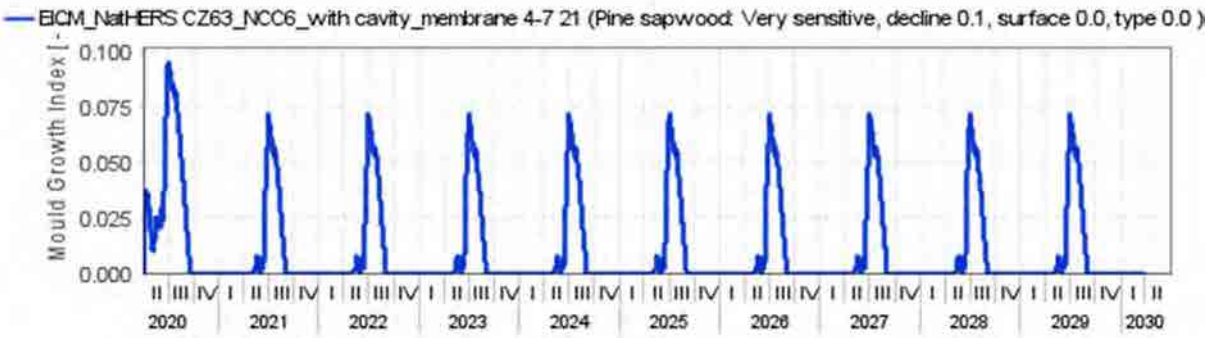

Figure 344: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

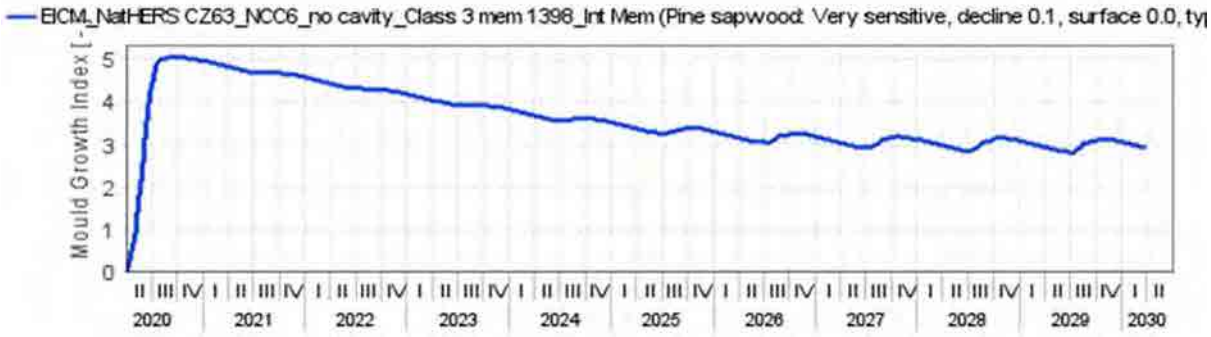

Figure 345: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

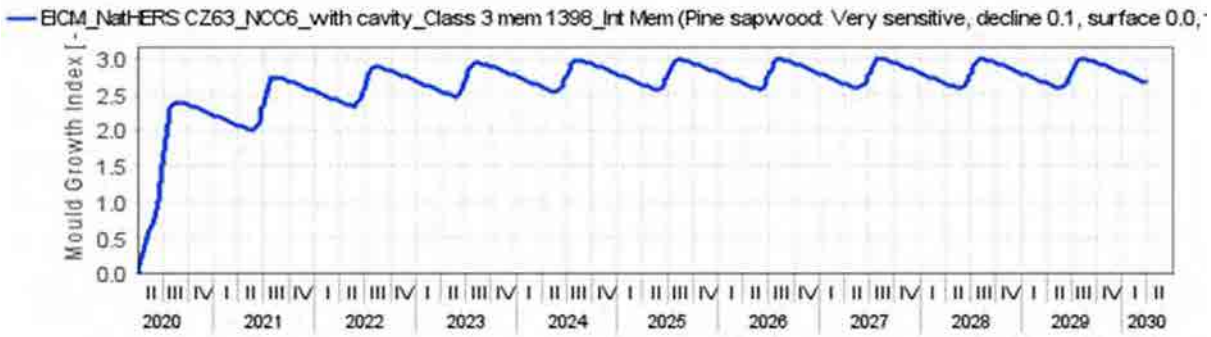

Figure 346: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first three years.

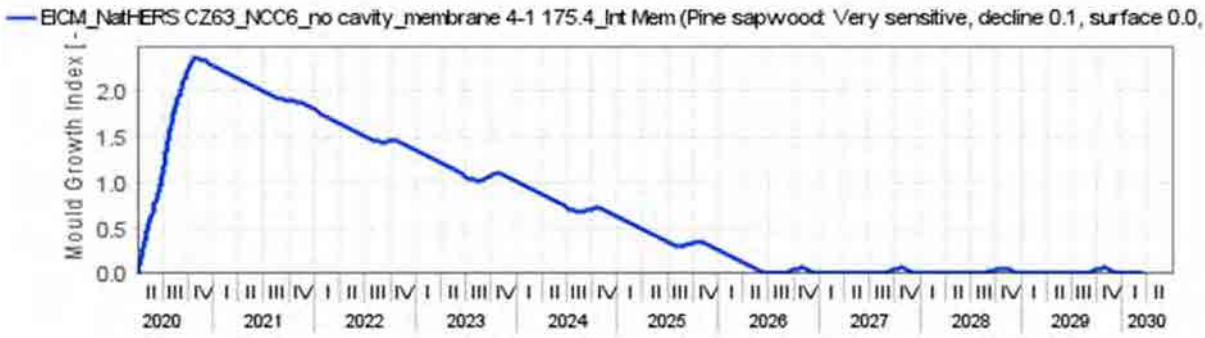

Figure 347: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

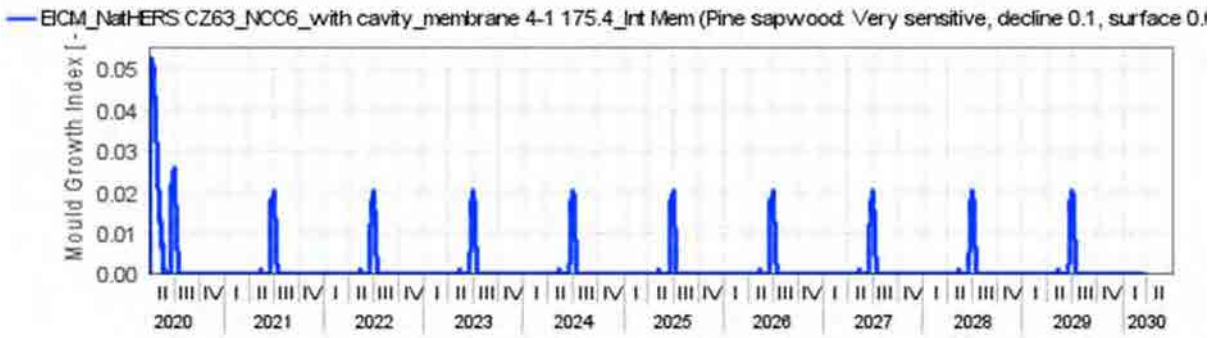

Figure 348: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

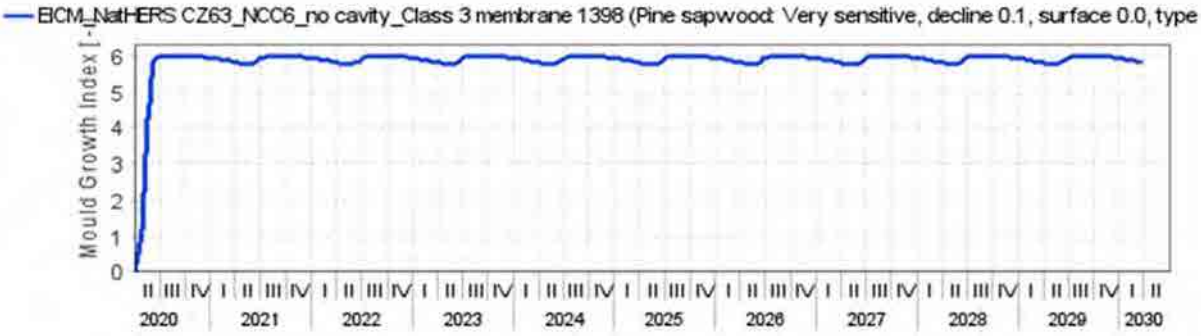

Figure 349: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

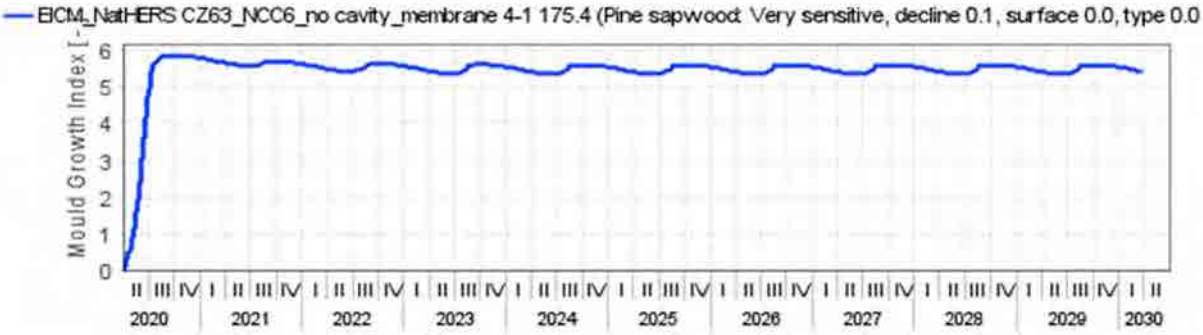

Figure 350: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

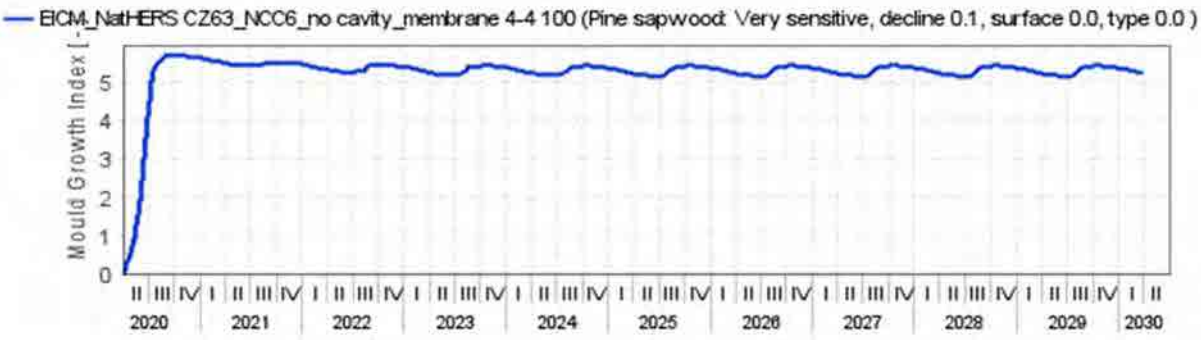

Figure 351 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

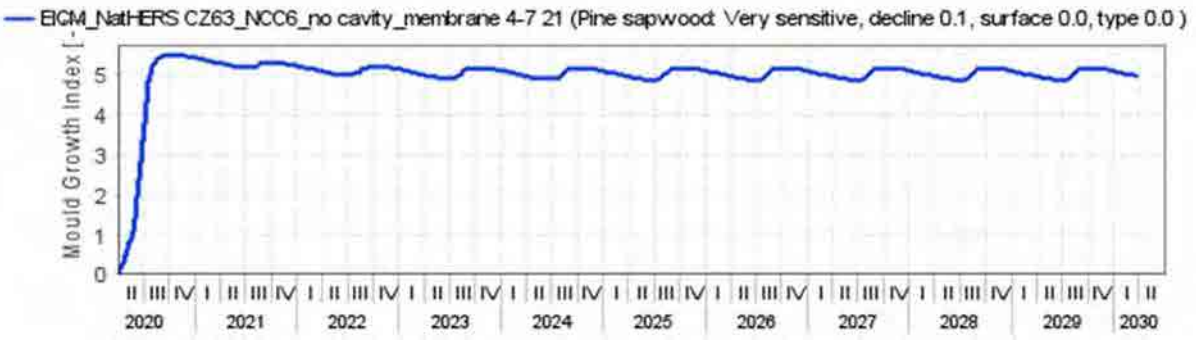

Figure 352: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

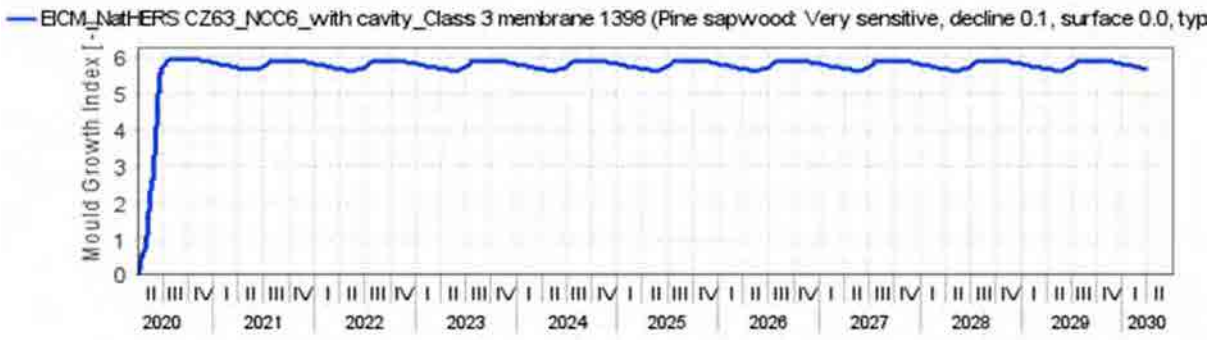

Figure 353: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

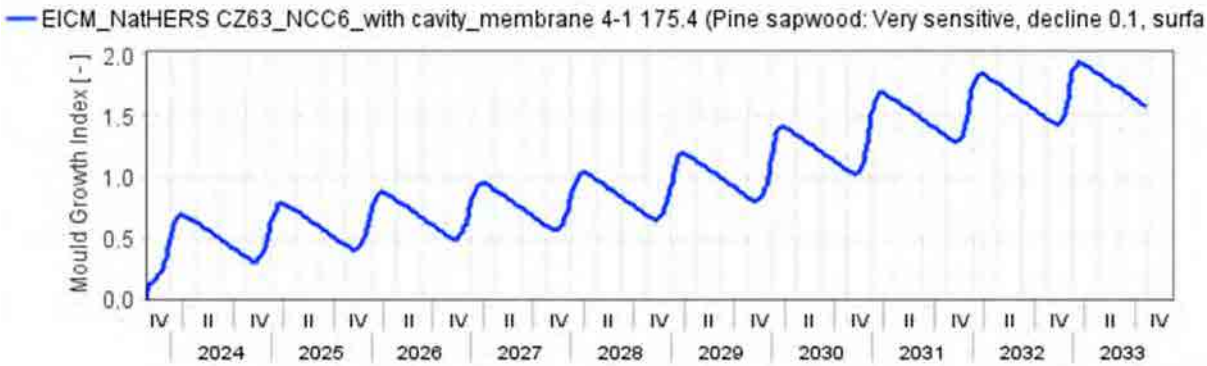

Figure 354: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

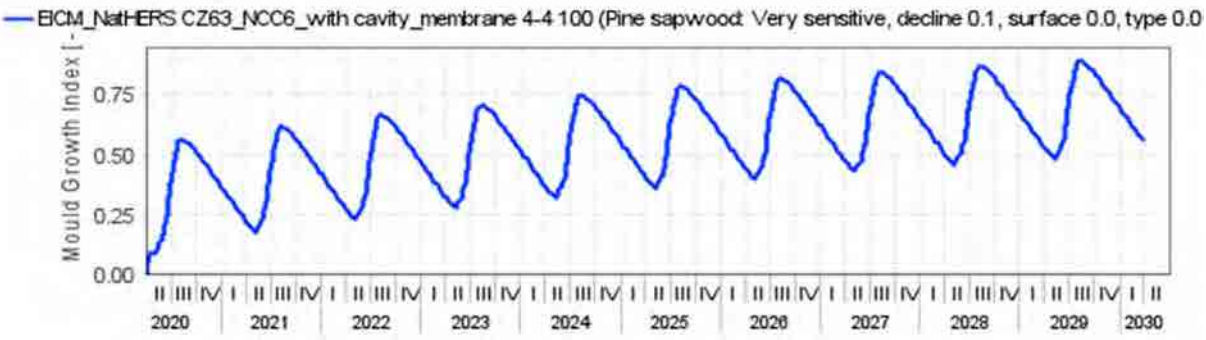

Figure 355 Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

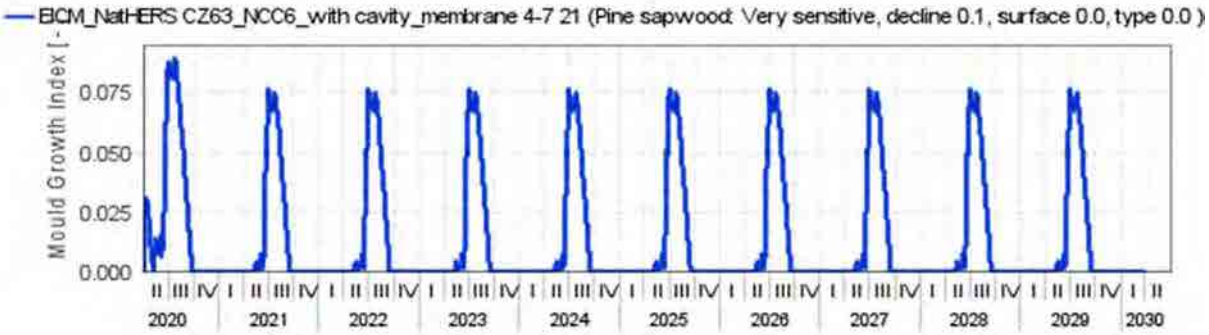

Figure 356: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

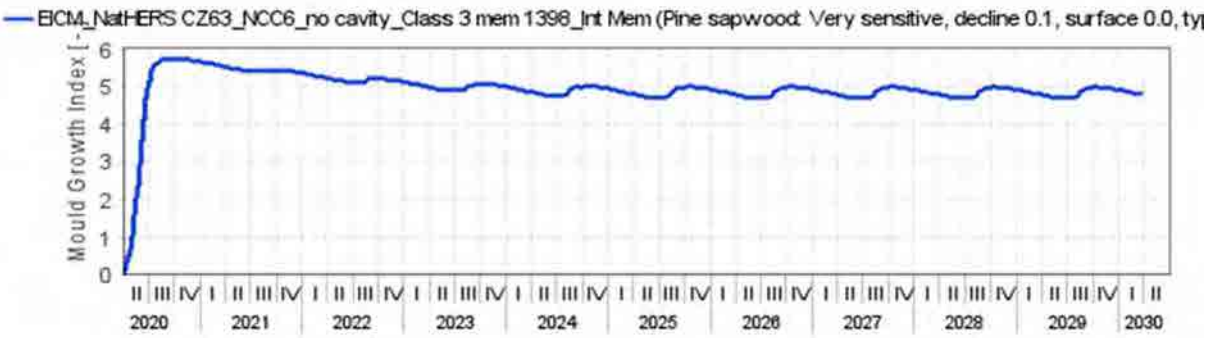

Figure 357: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

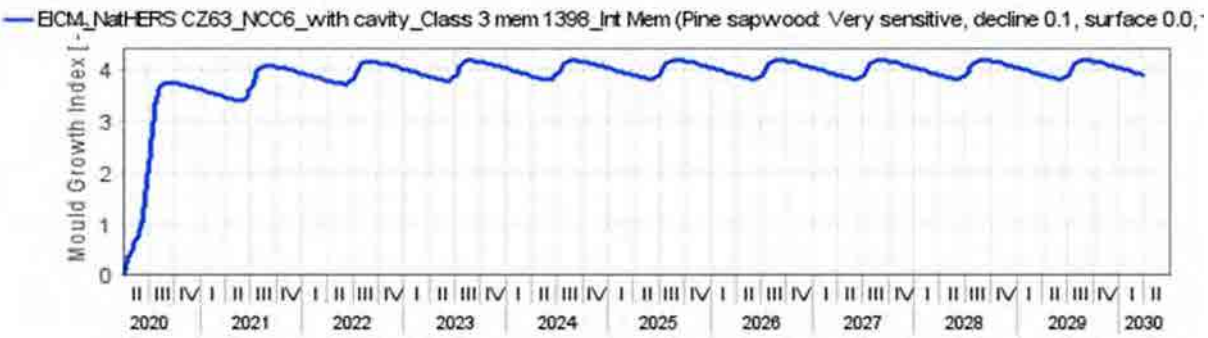

Figure 358: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

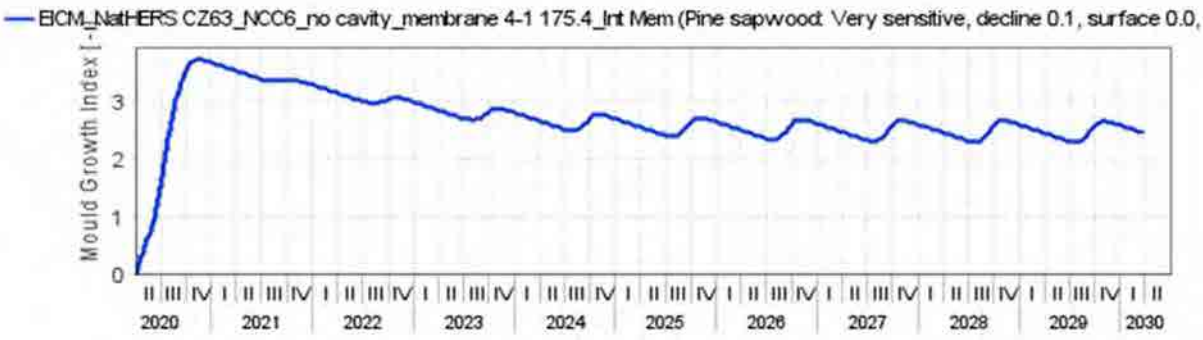

Figure 359: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

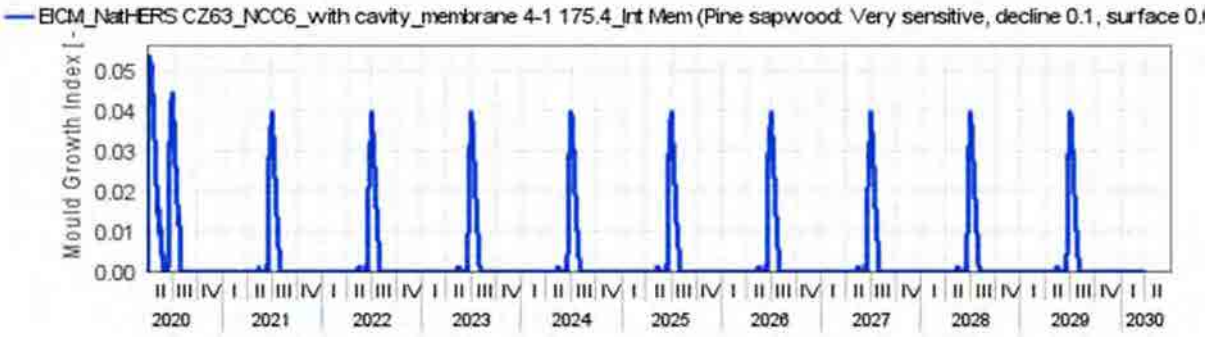

Figure 360: Ext. Ins. Clay Masonry NatHERS CZ 63 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

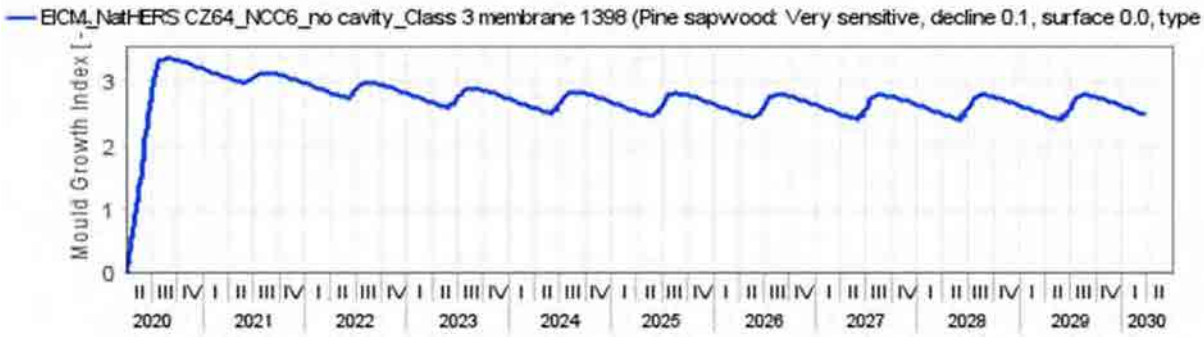

Figure 361: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

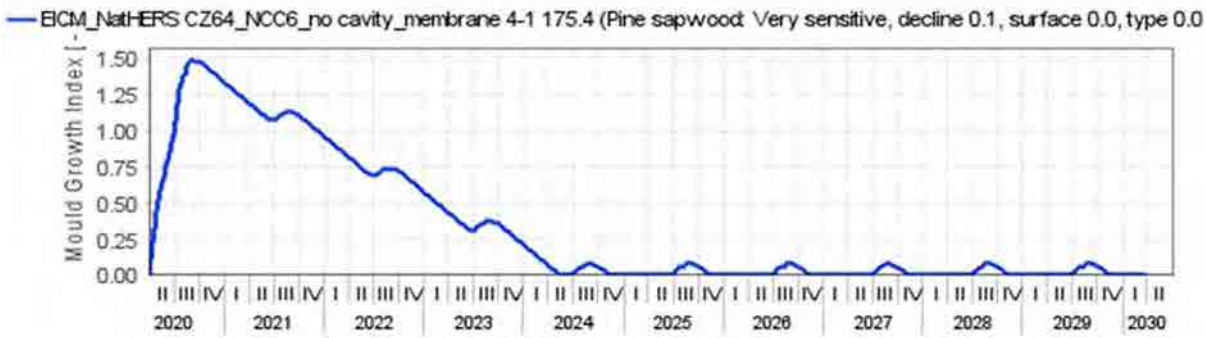

Figure 362: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

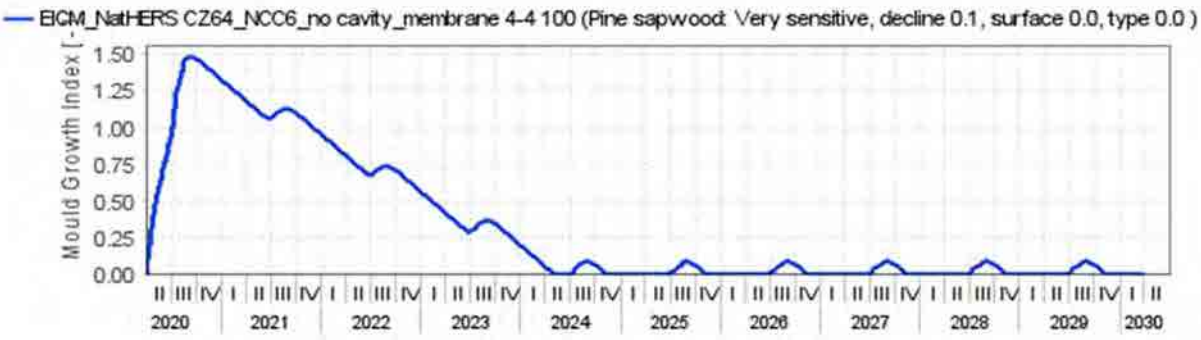

Figure 363 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

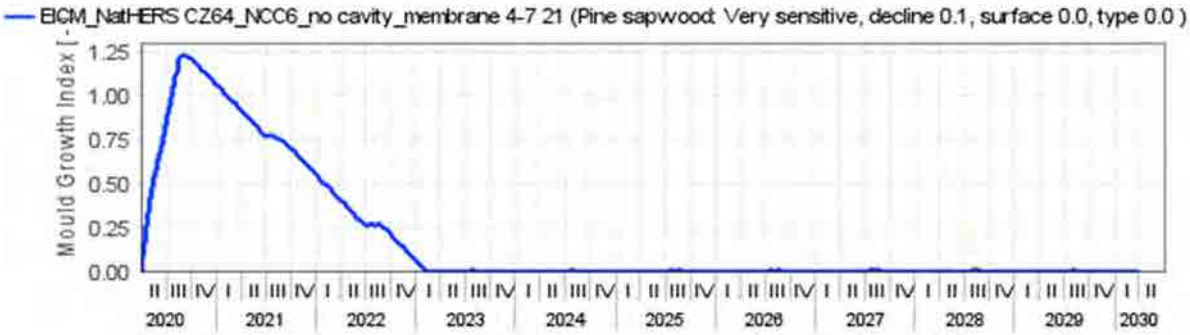

Figure 364: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

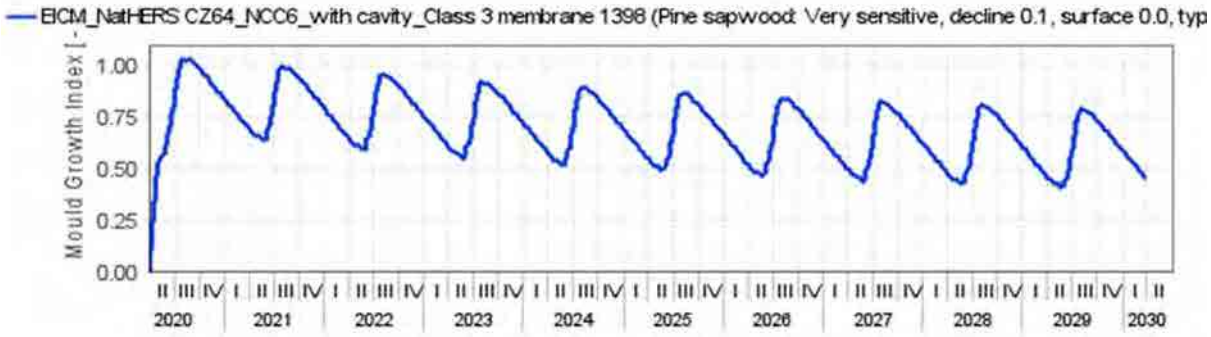

Figure 365: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

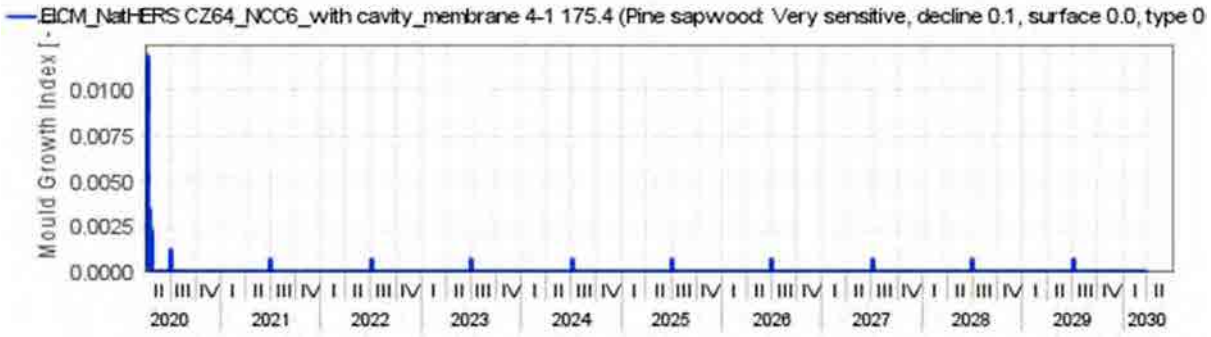

Figure 366: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

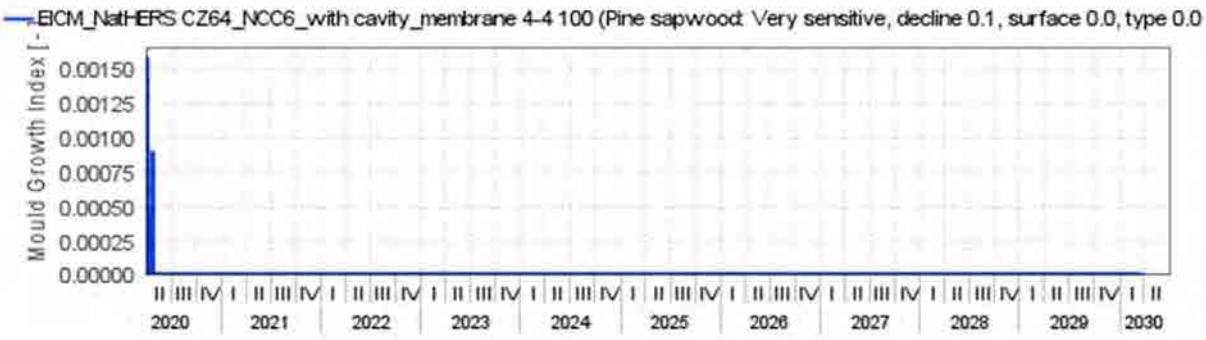

Figure 367 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

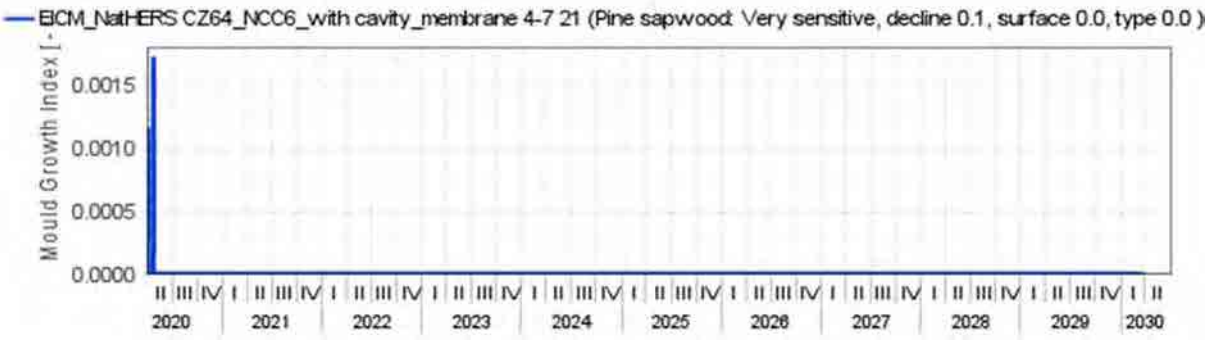

Figure 368: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

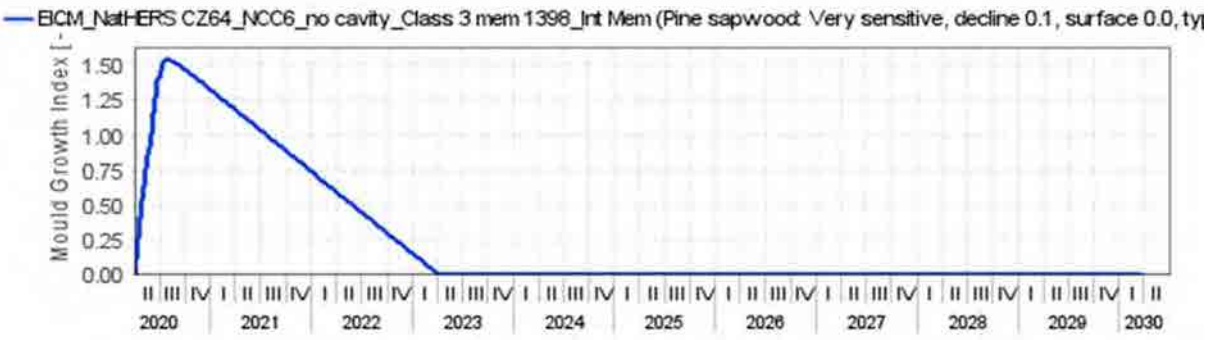

Figure 369: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

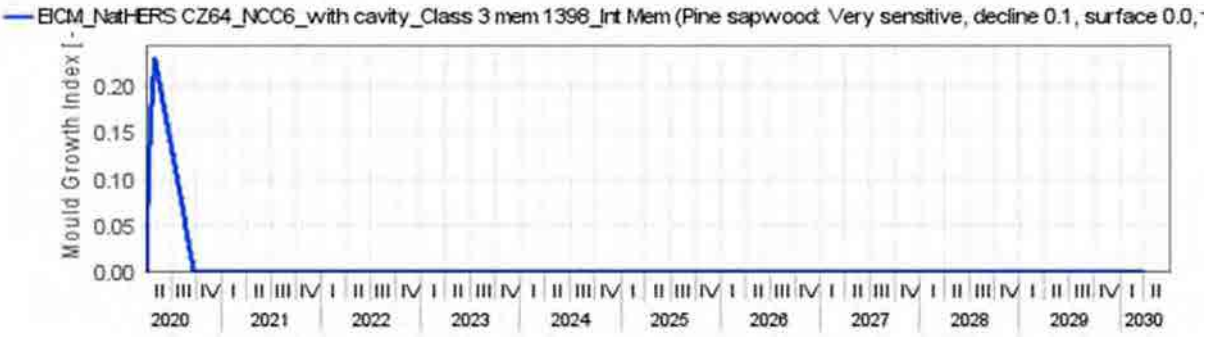

Figure 370: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

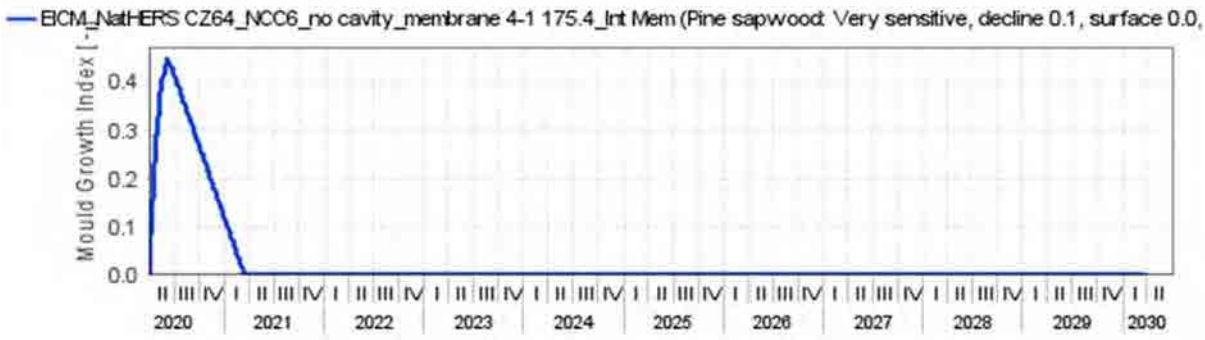

Figure 371: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

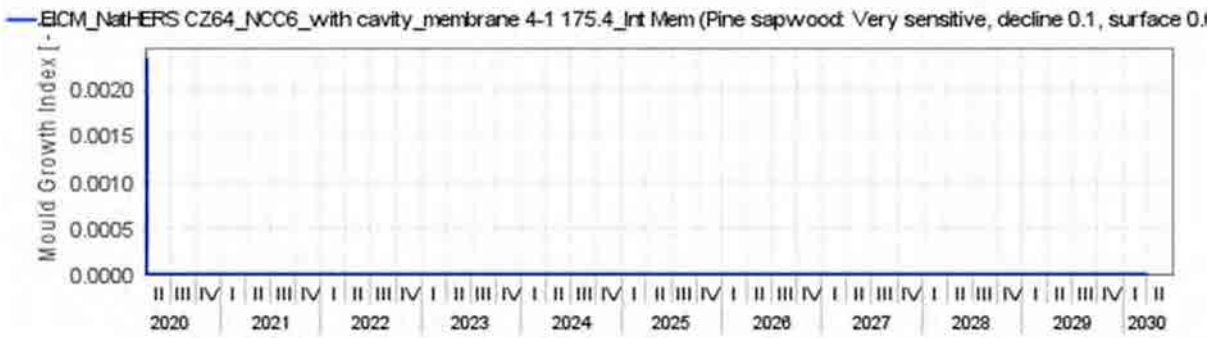

Figure 372: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

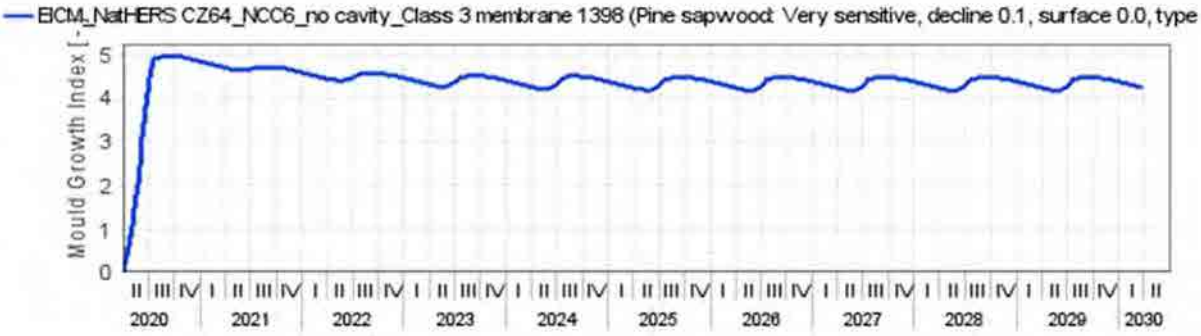

Figure 373: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

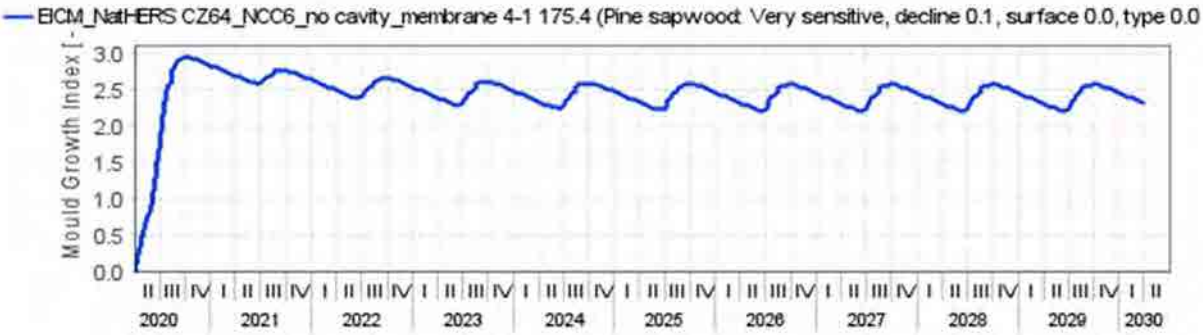

Figure 374: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

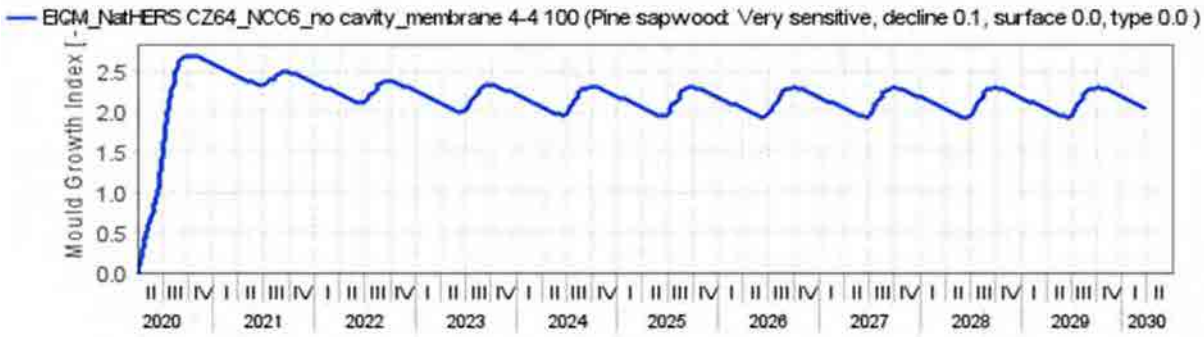

Figure 375 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

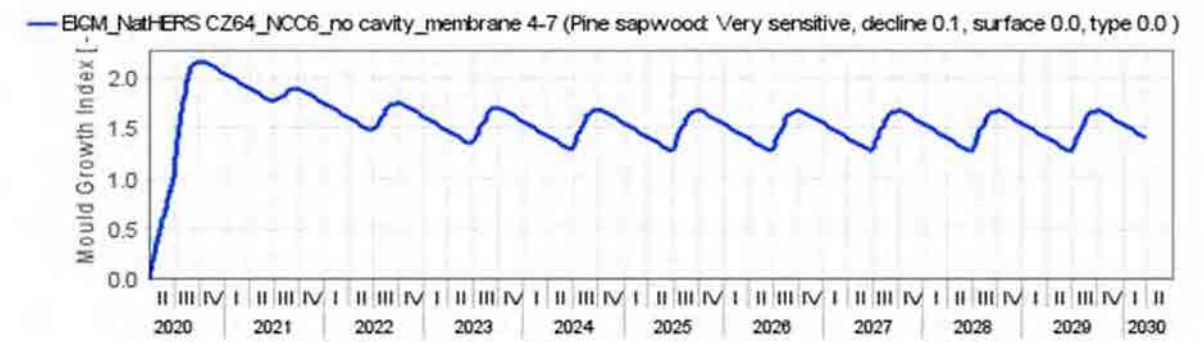

Figure 376: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

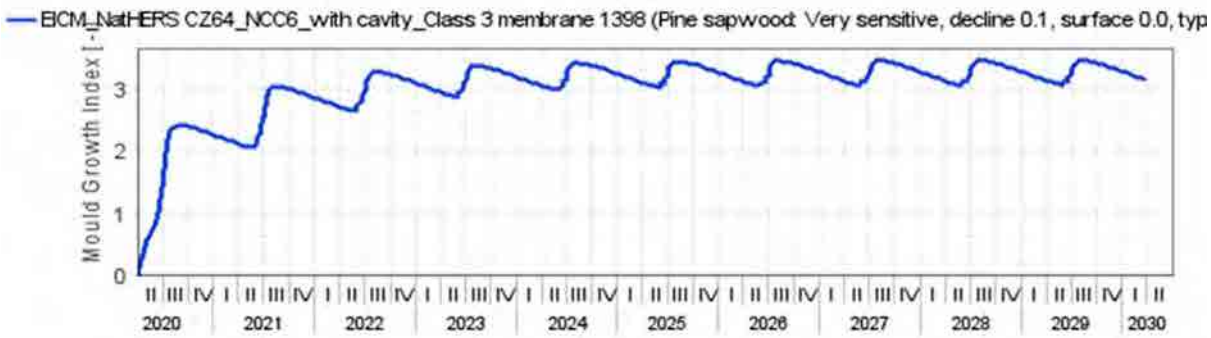

Figure 377: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

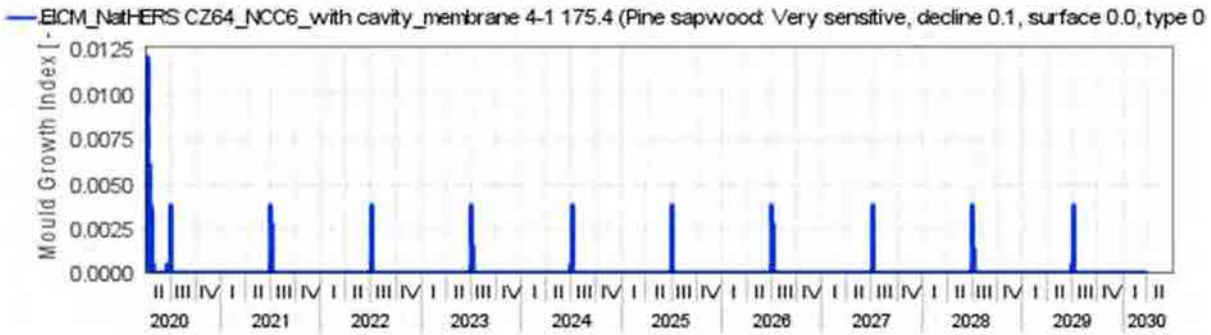

Figure 378: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

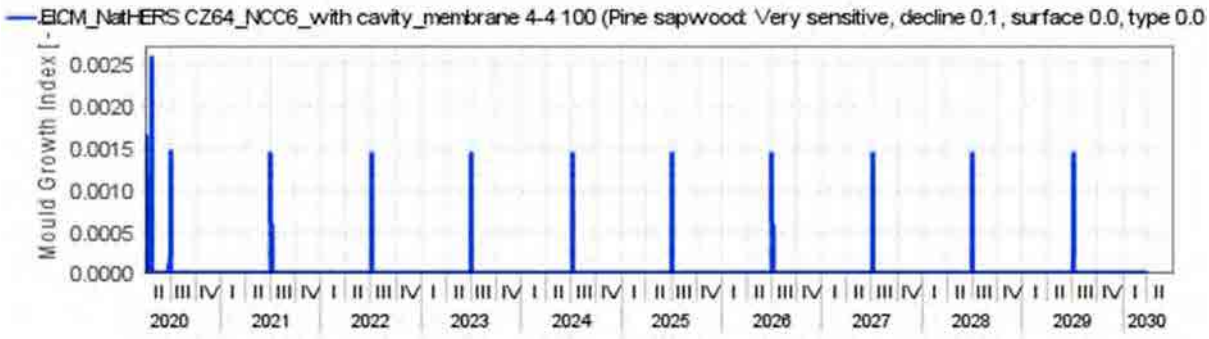

Figure 379 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ex

t. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

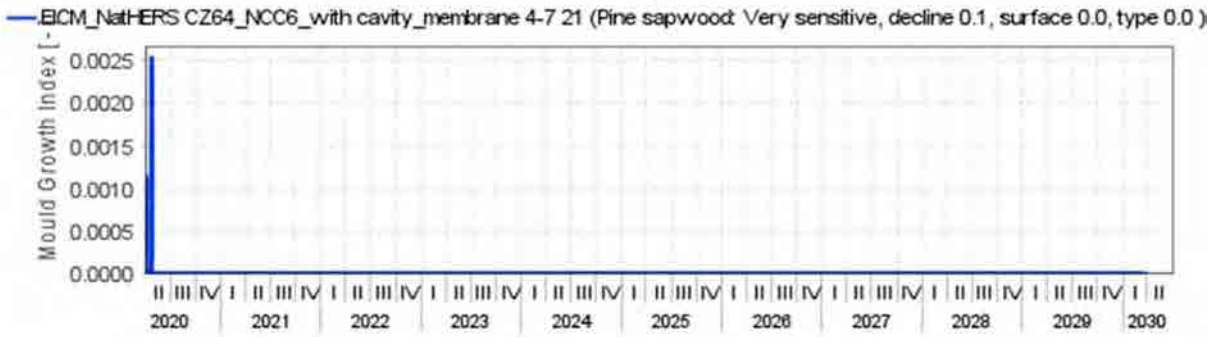

Figure 380: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

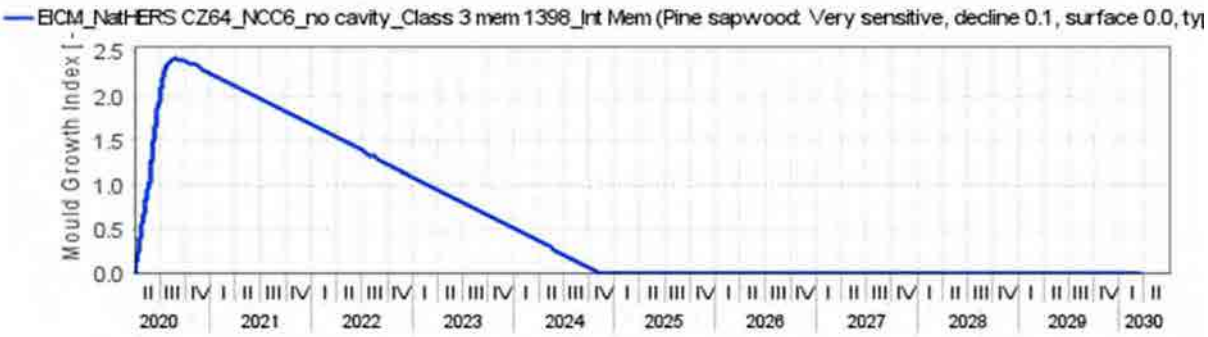

Figure 381: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

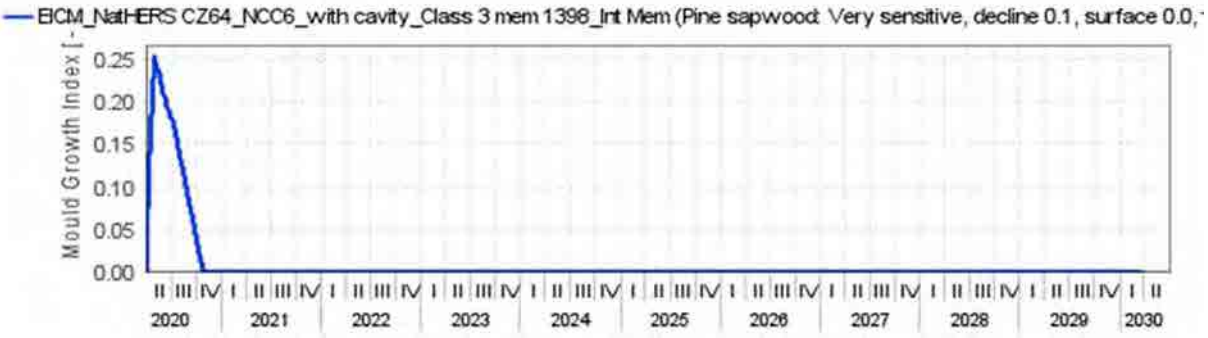

Figure 382: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

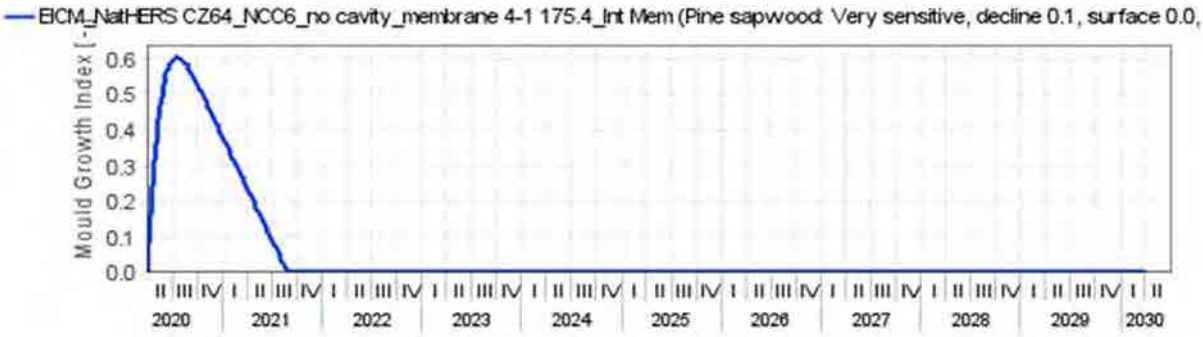

Figure 383: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

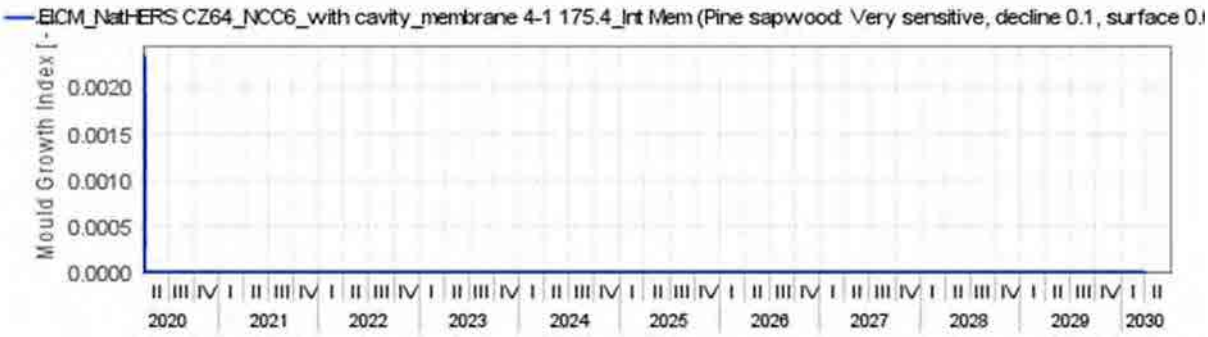

Figure 384: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

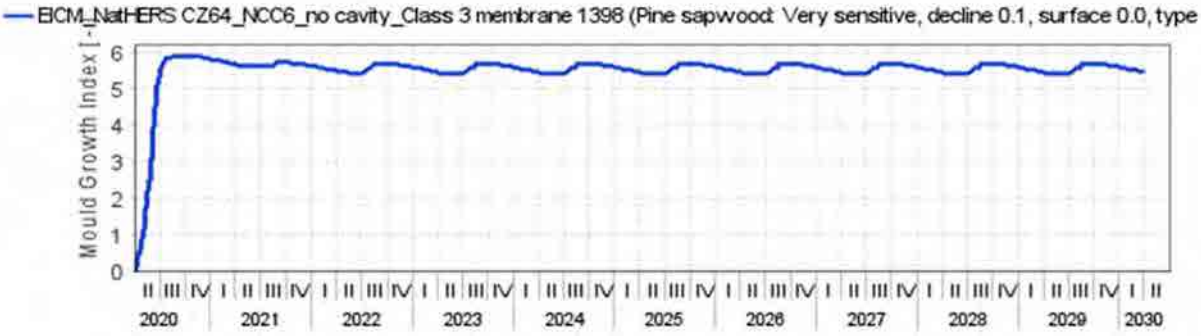

Figure 385: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

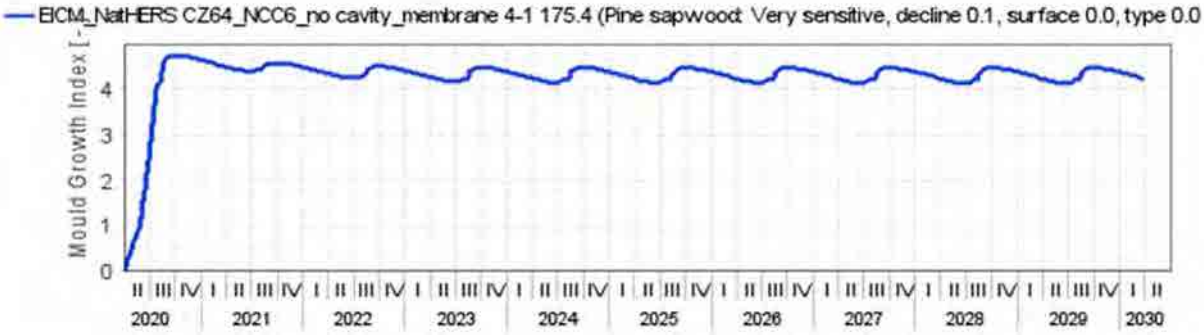

Figure 386: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

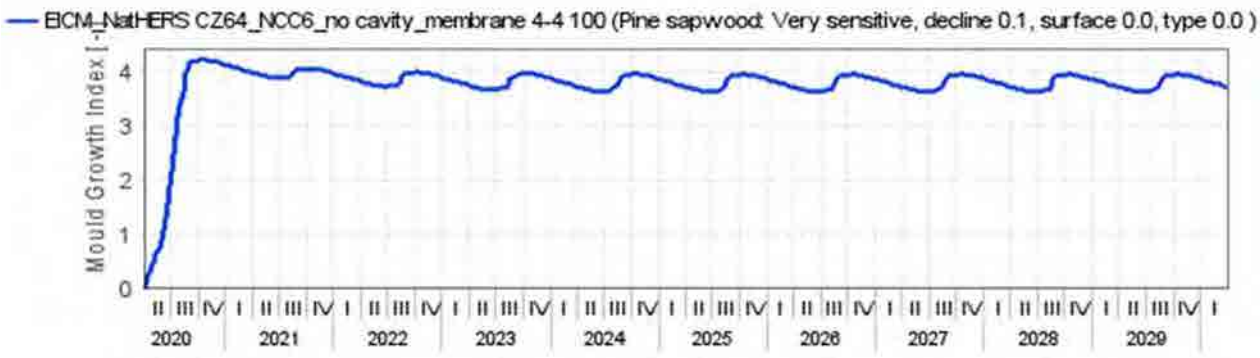

Figure 387 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

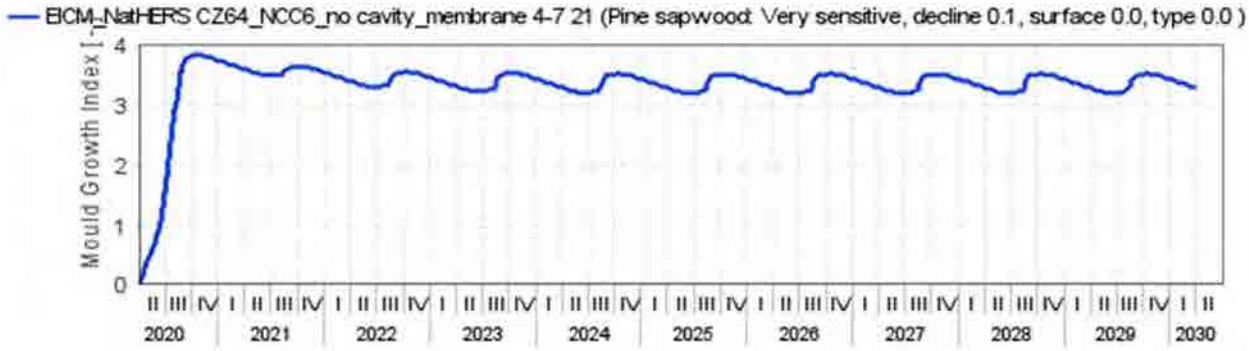

Figure 388: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

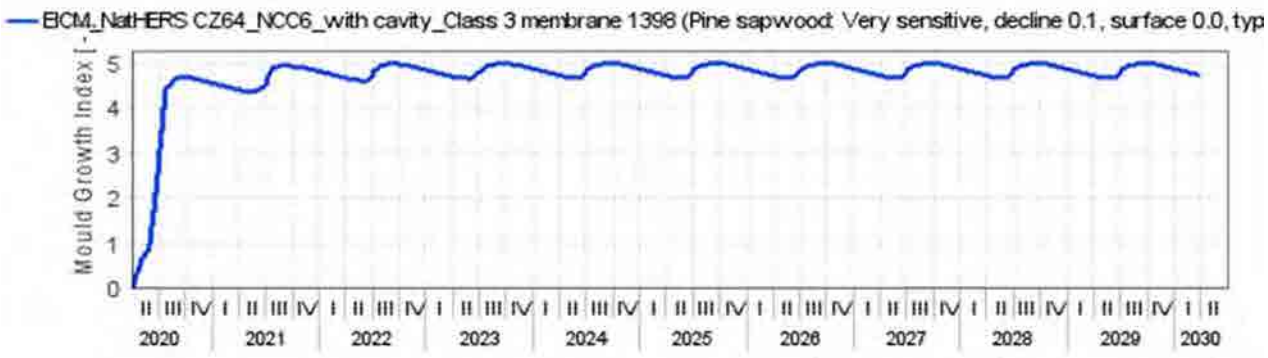

Figure 389: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

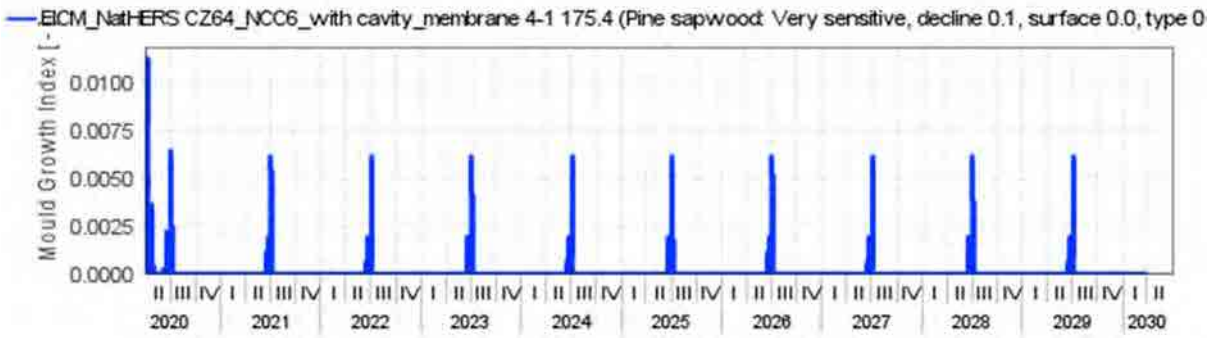

Figure 390: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

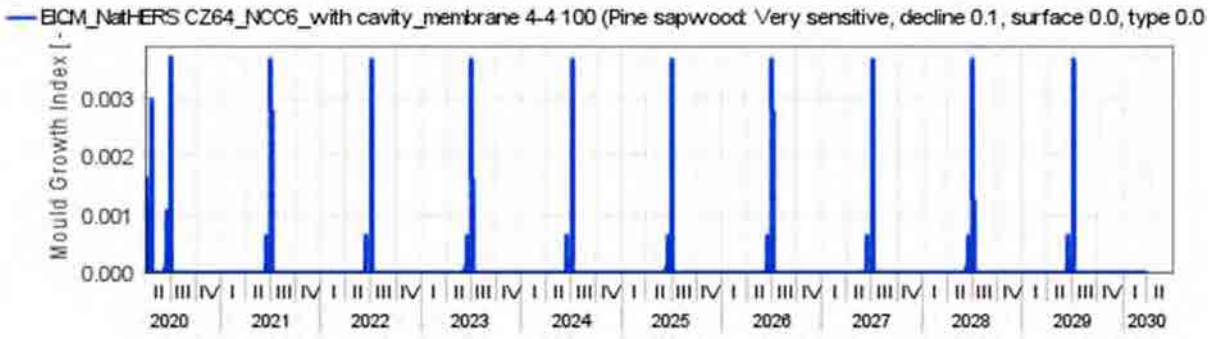

Figure 391 Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

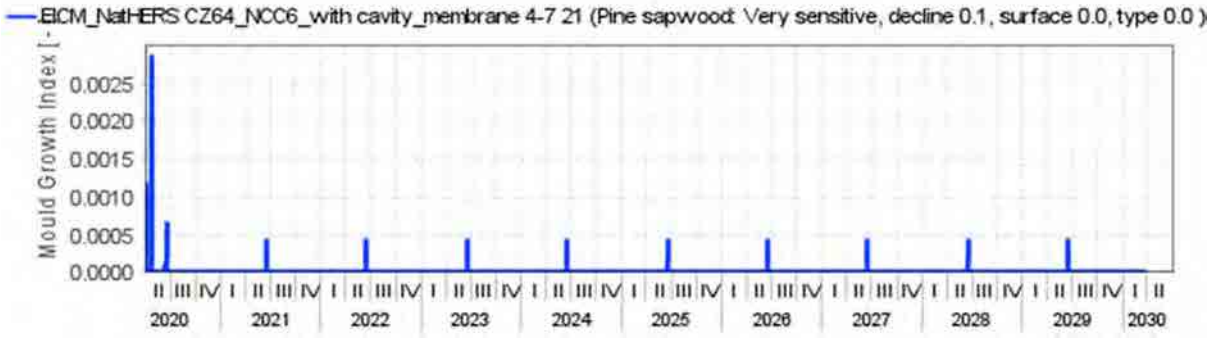

Figure 392: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

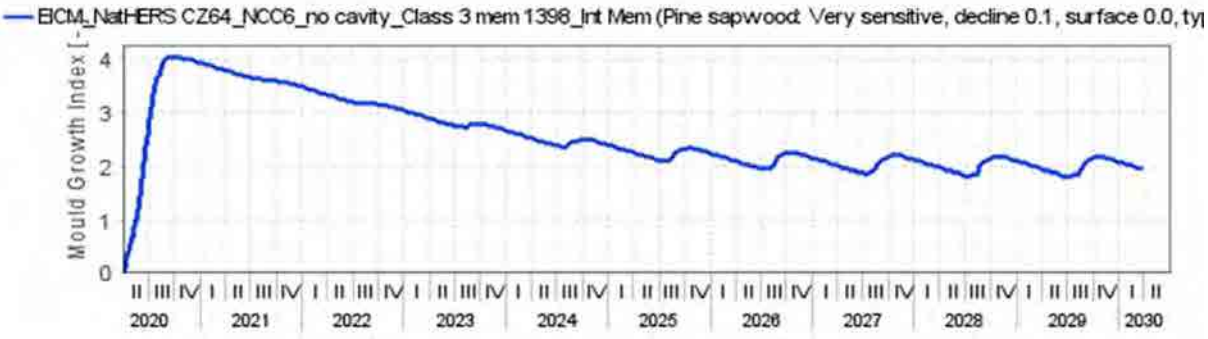

Figure 393: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

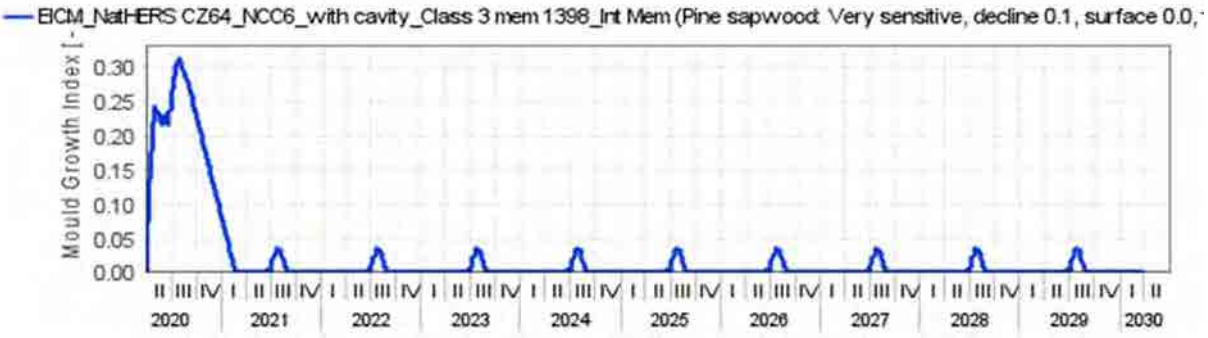

Figure 394: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

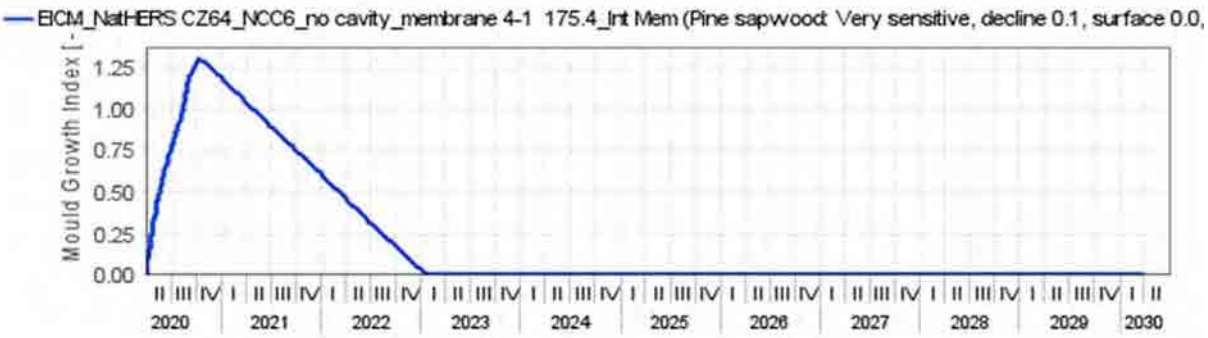

Figure 395: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

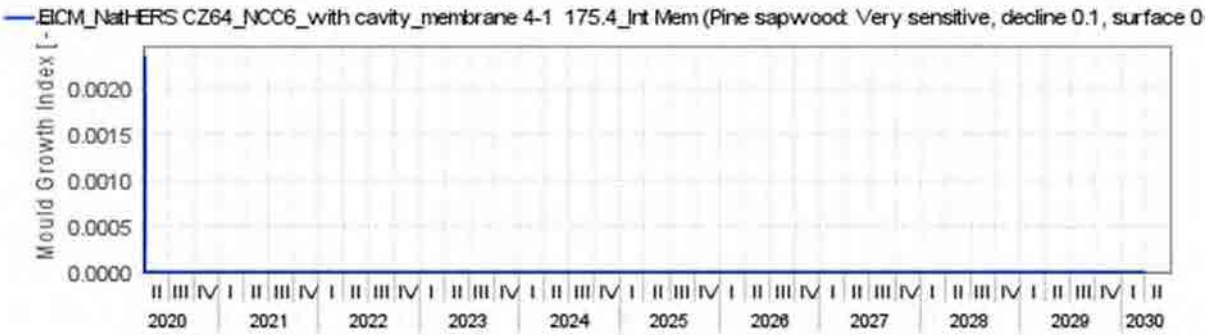

Figure 396: Ext. Ins. Clay Masonry NatHERS CZ 64 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ6: 6 Star and 7 Star Externally Insulated Clay Masonry wall

ACR 10 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

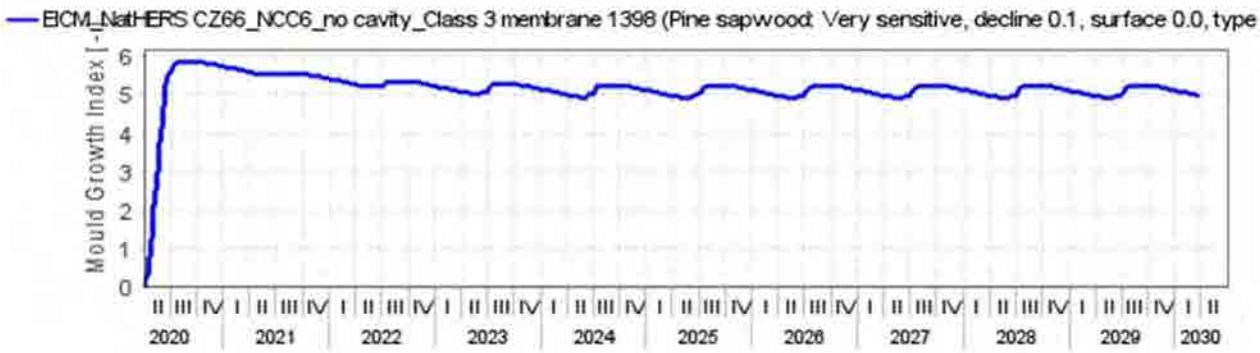

Figure 397: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

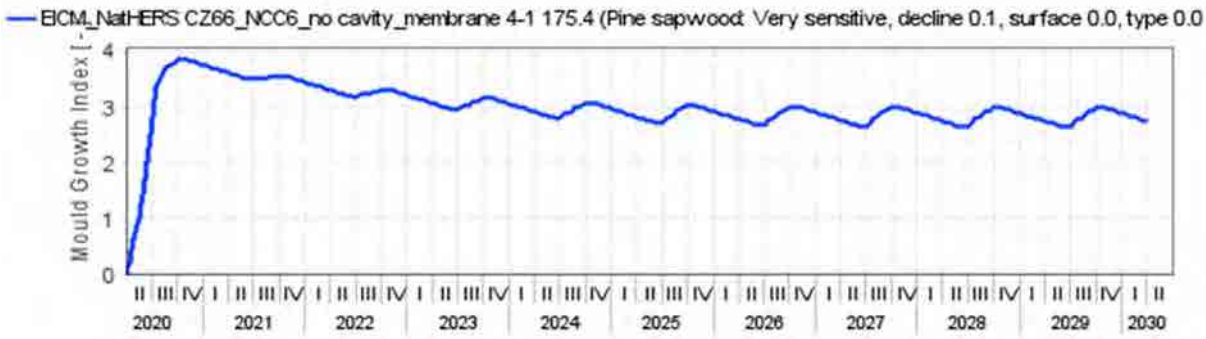

Figure 398: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

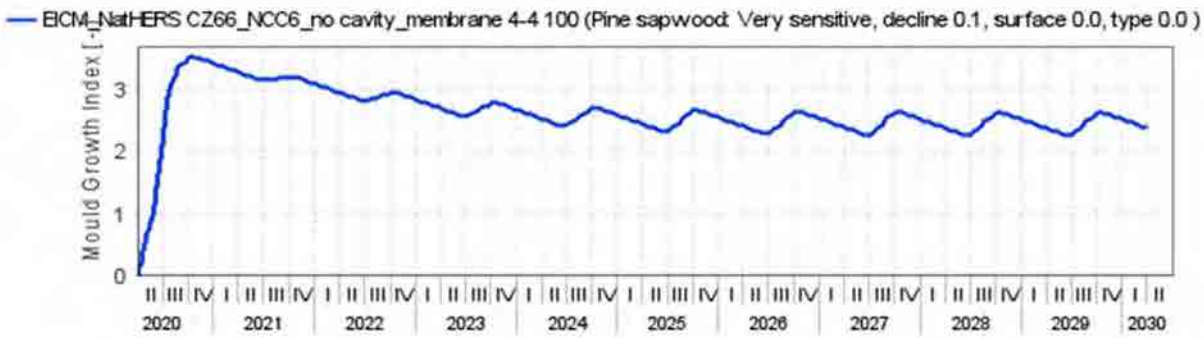

Figure 399 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

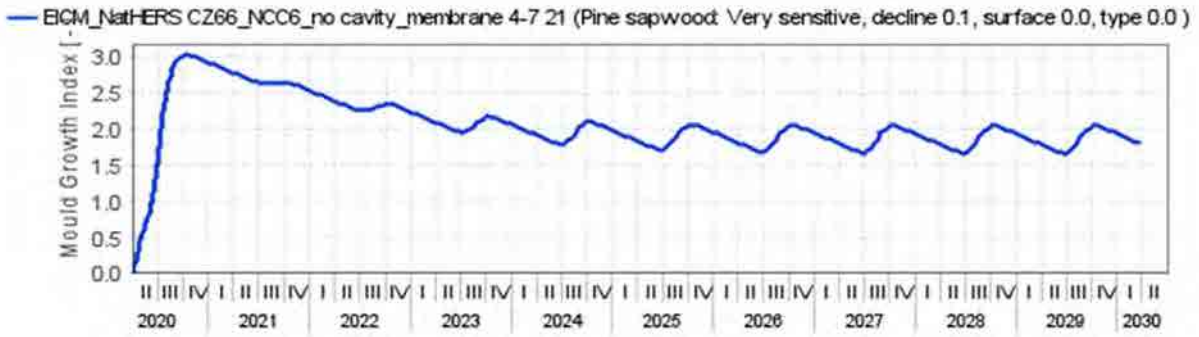

Figure 400: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

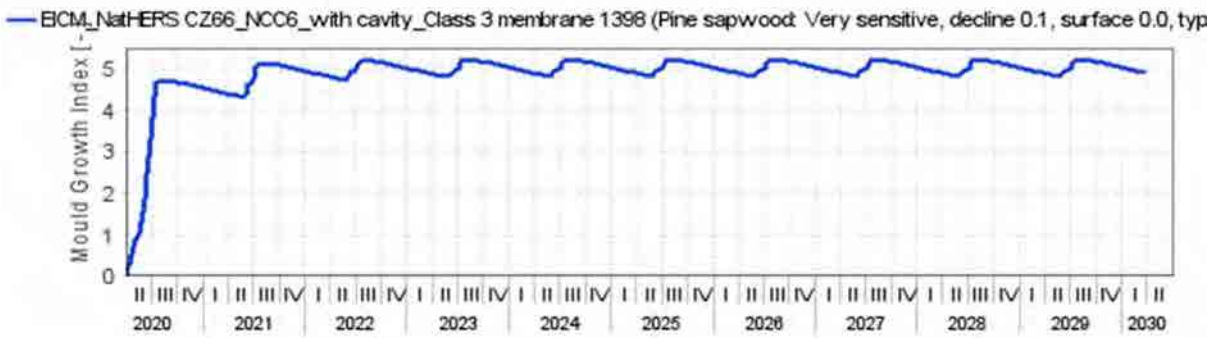

Figure 401: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

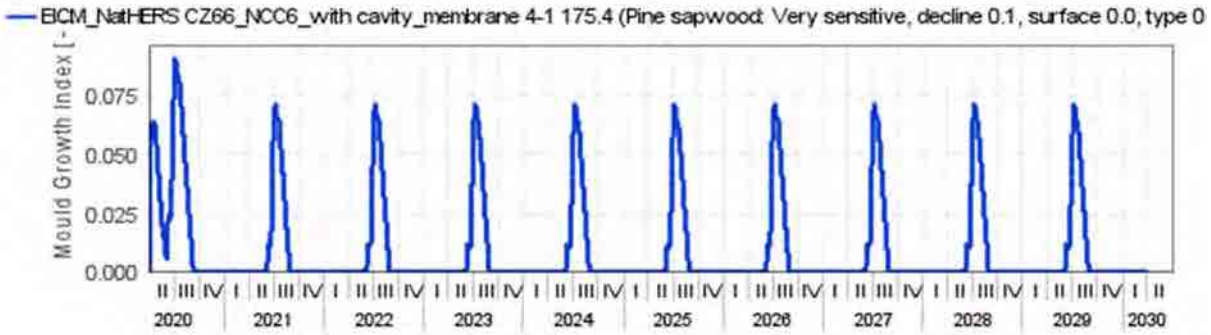

Figure 402: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

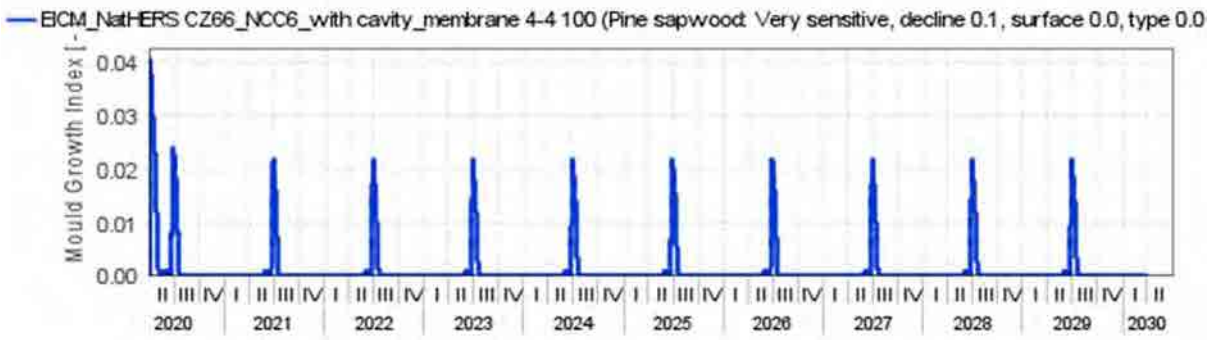

Figure 403 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

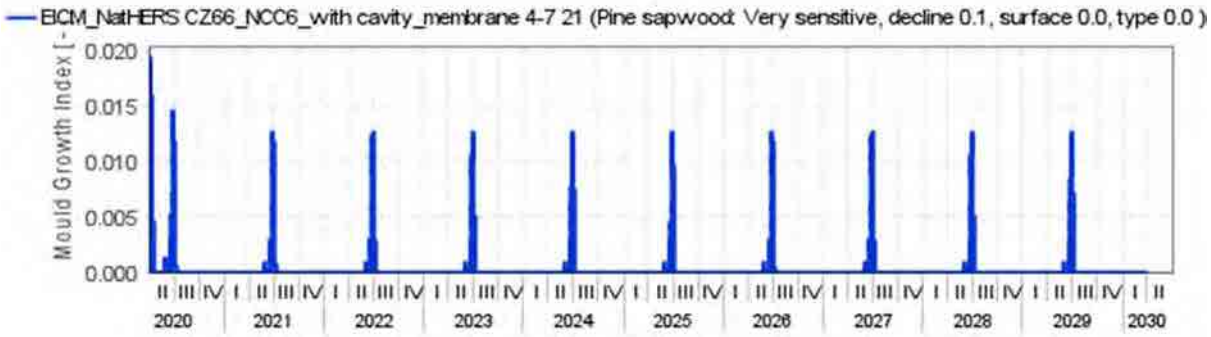

Figure 404: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

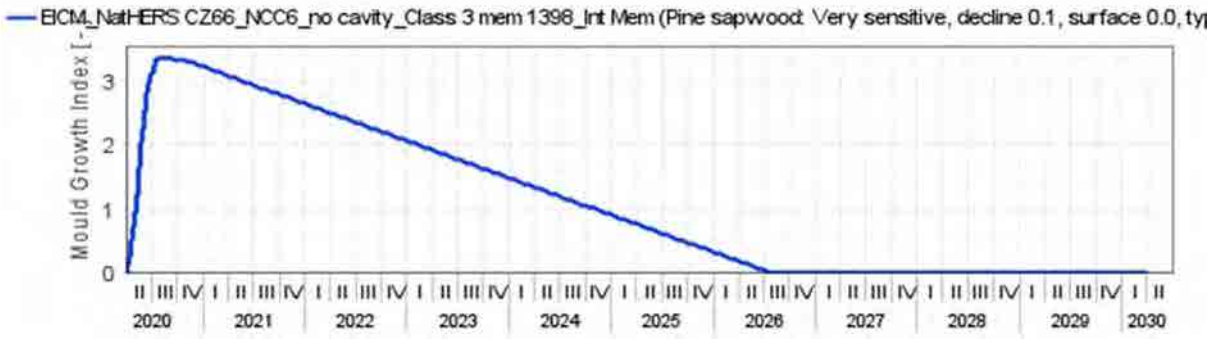

Figure 405: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

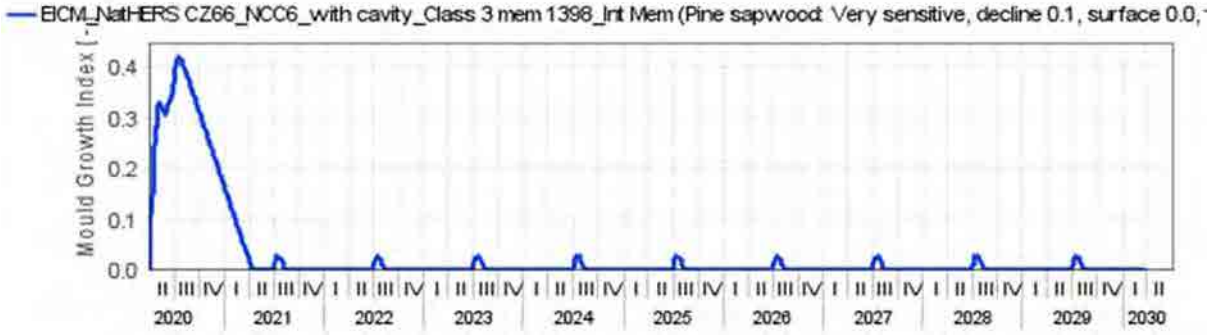

Figure 406: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

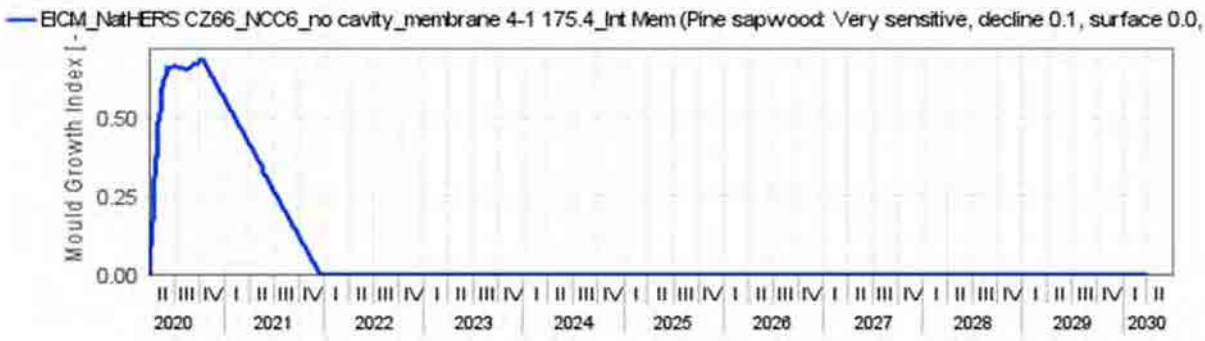

Figure 407: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

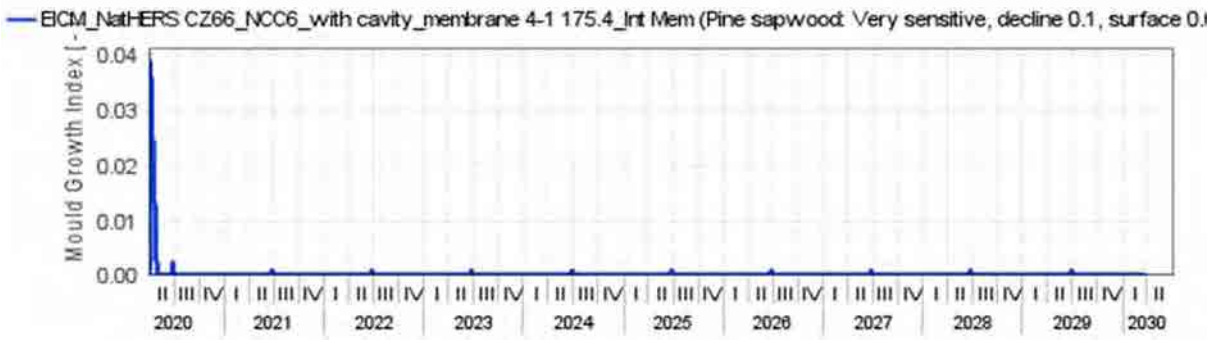

Figure 408: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

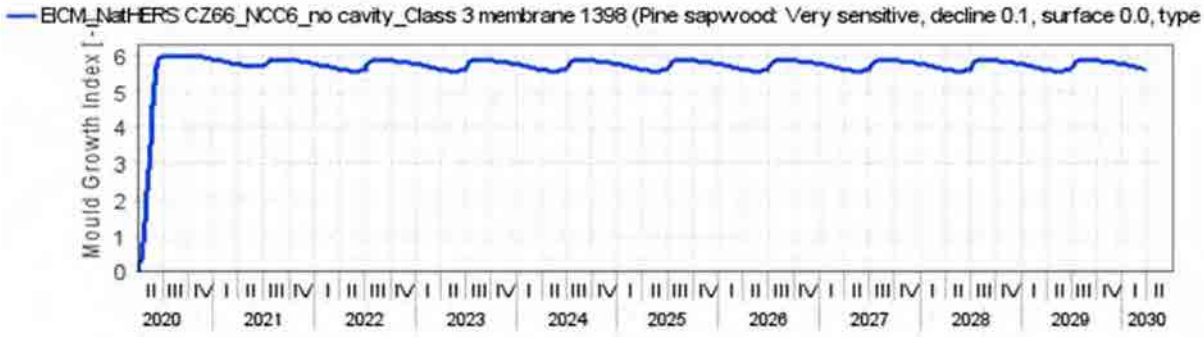

Figure 409: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

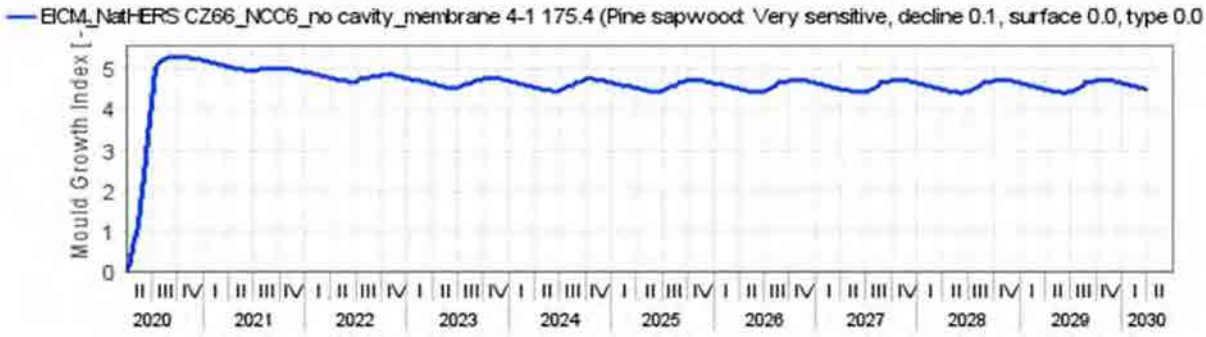

Figure 410: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

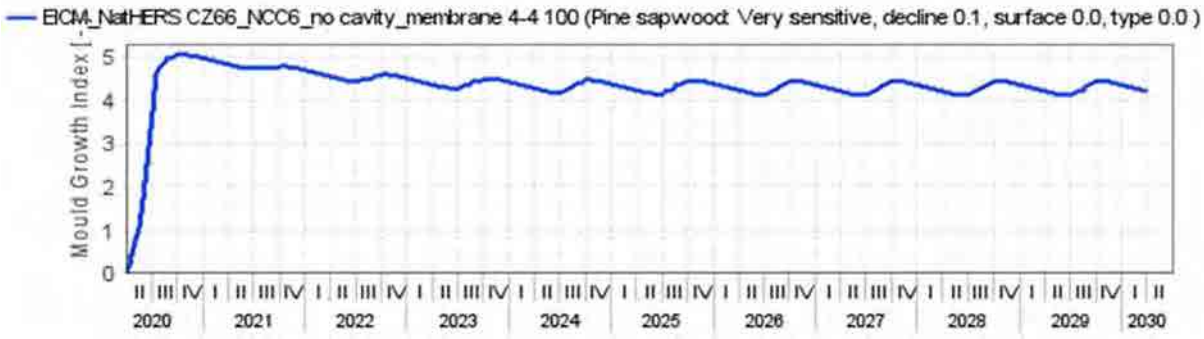

Figure 411 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

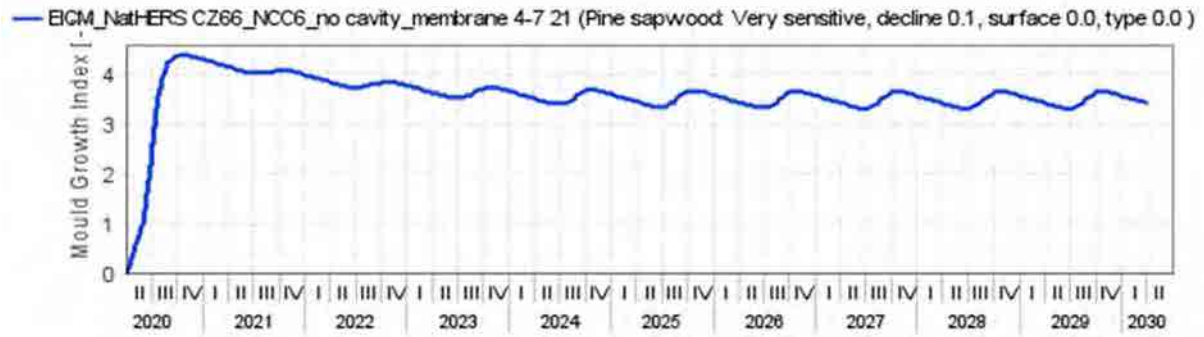

Figure 412: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

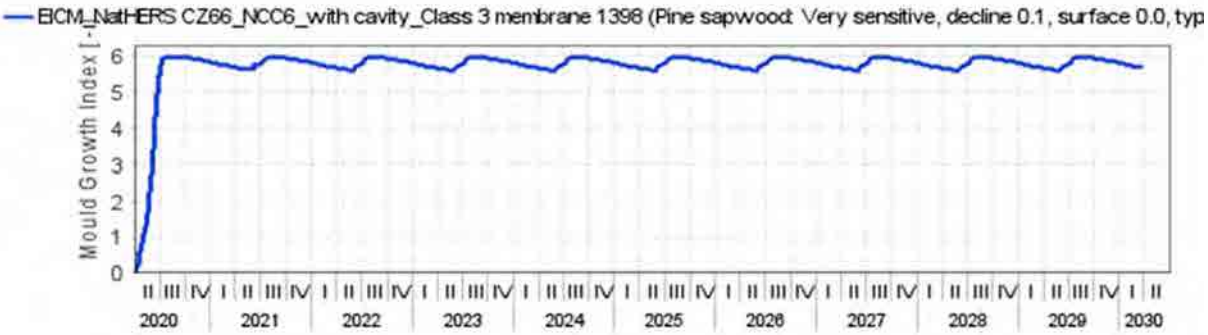

Figure 413: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

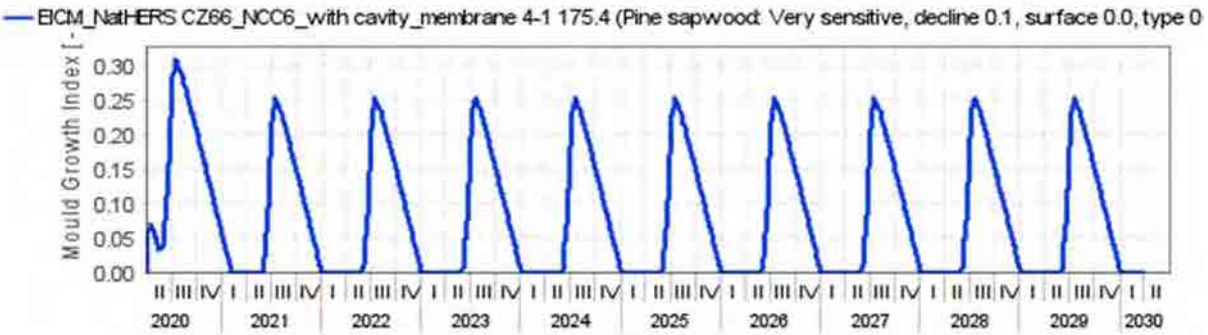

Figure 414: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

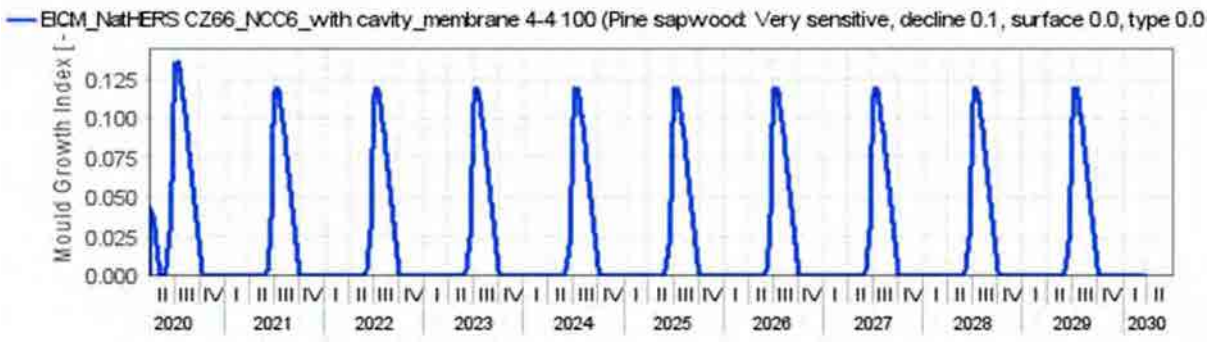

Figure 415 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

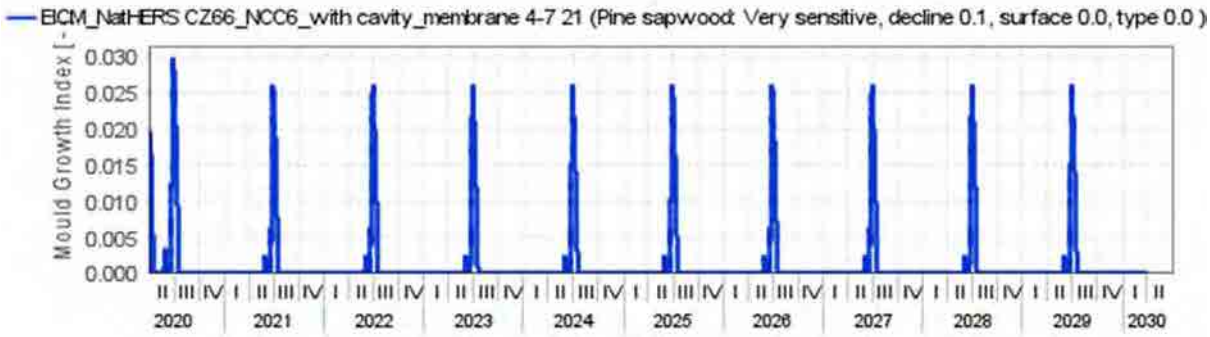

Figure 416: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

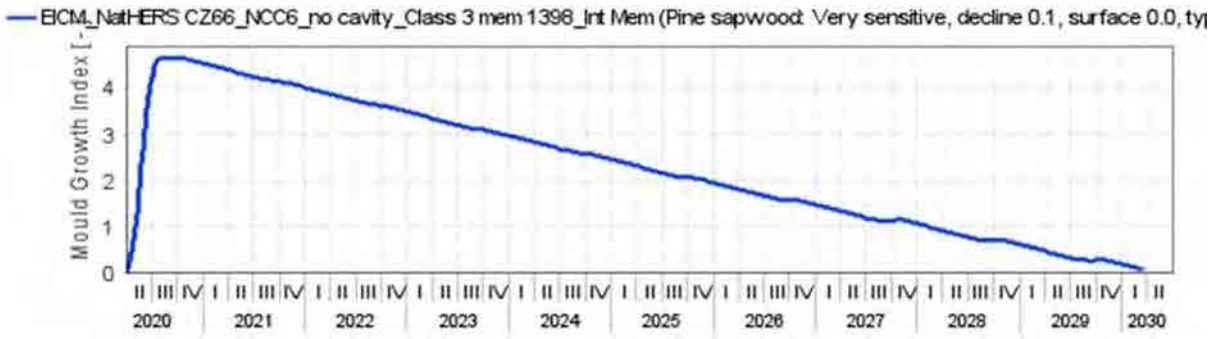

Figure 417: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first year.

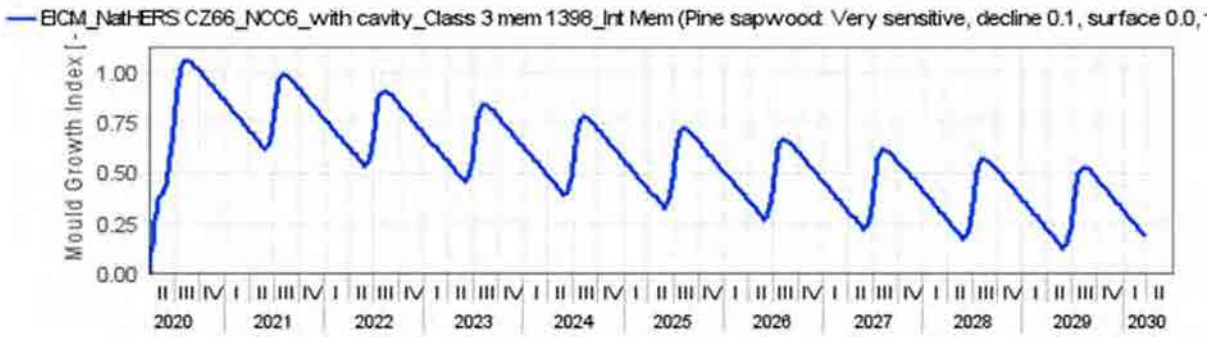

Figure 418: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index only exceeds 1.0 in the first two years.

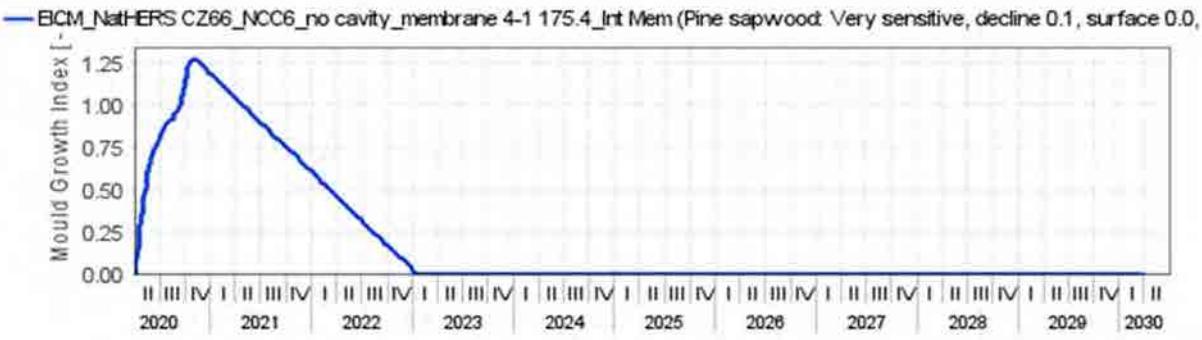

Figure 419: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

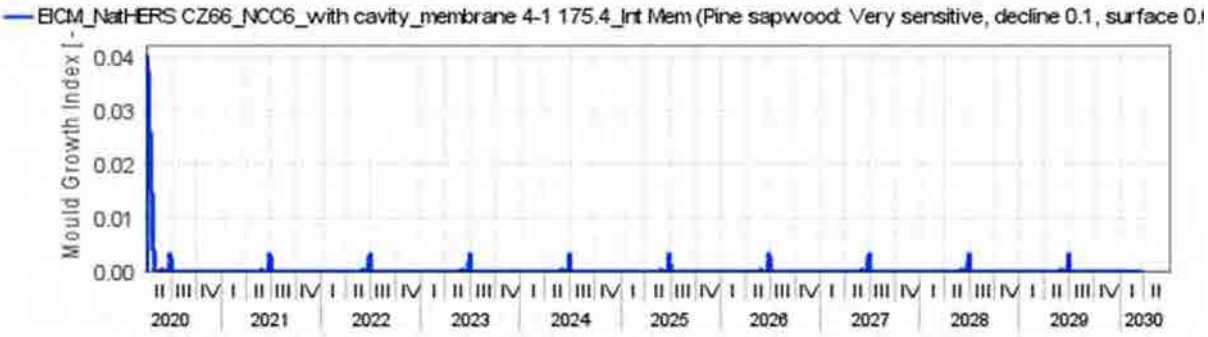

Figure 420: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - Externally Insulated Clay Masonry - South Only

1. No Cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

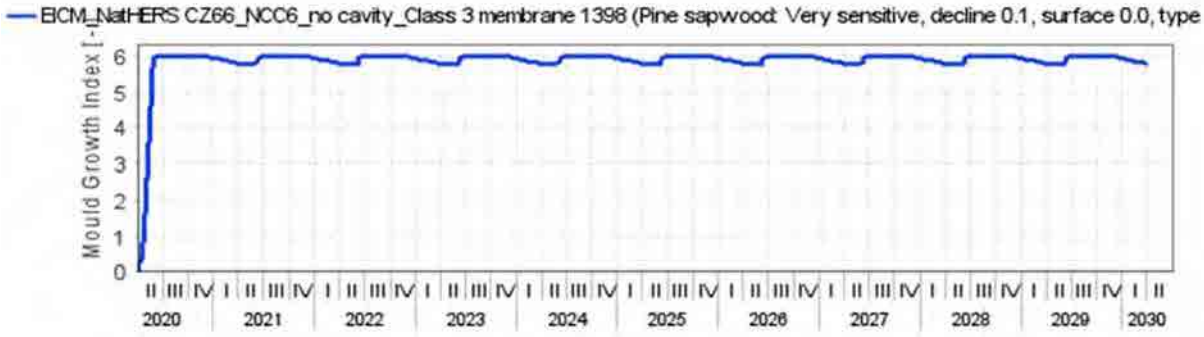

Figure 421: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No Cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

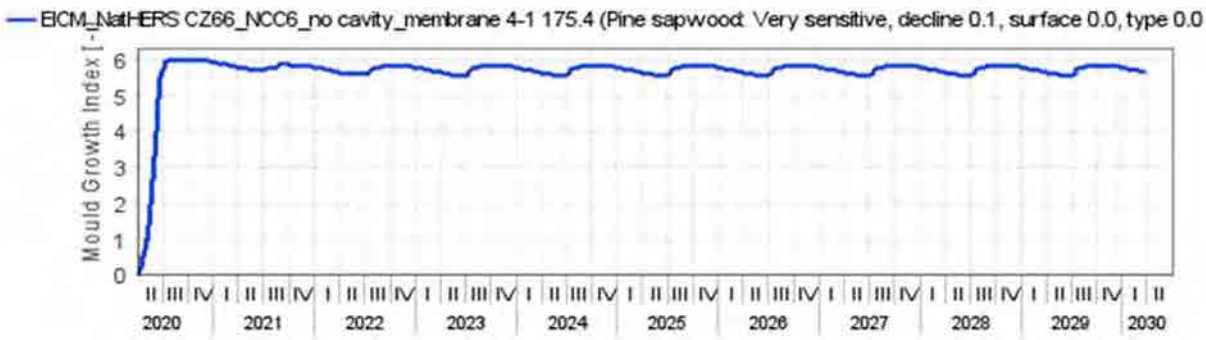

Figure 422: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

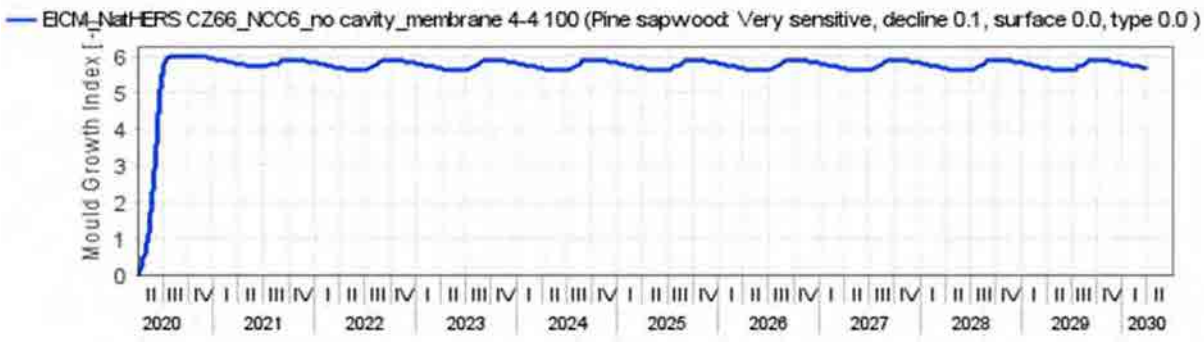

Figure 423 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

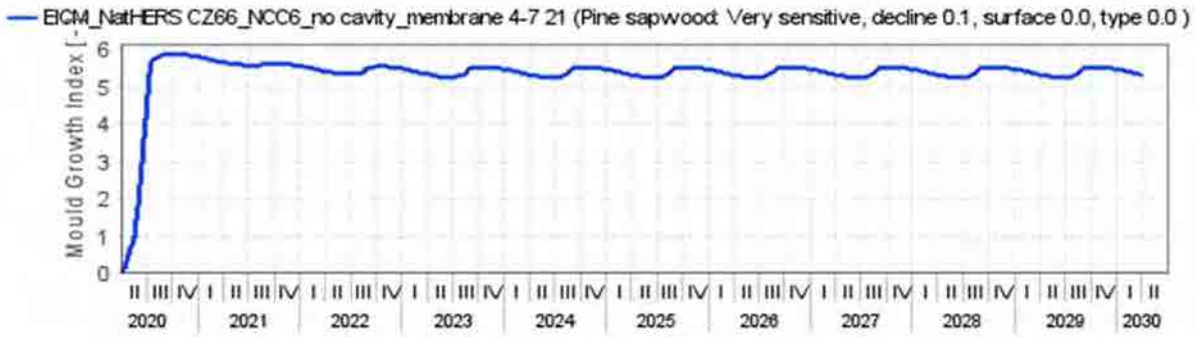

Figure 424: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

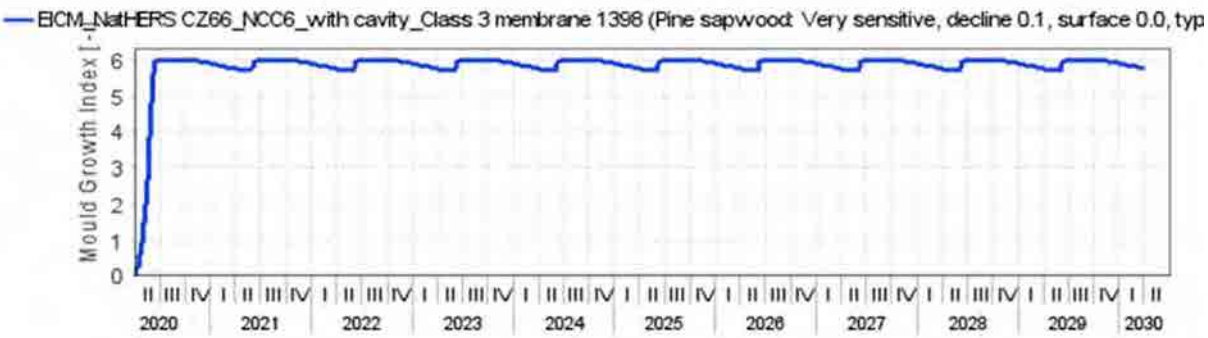

Figure 425: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

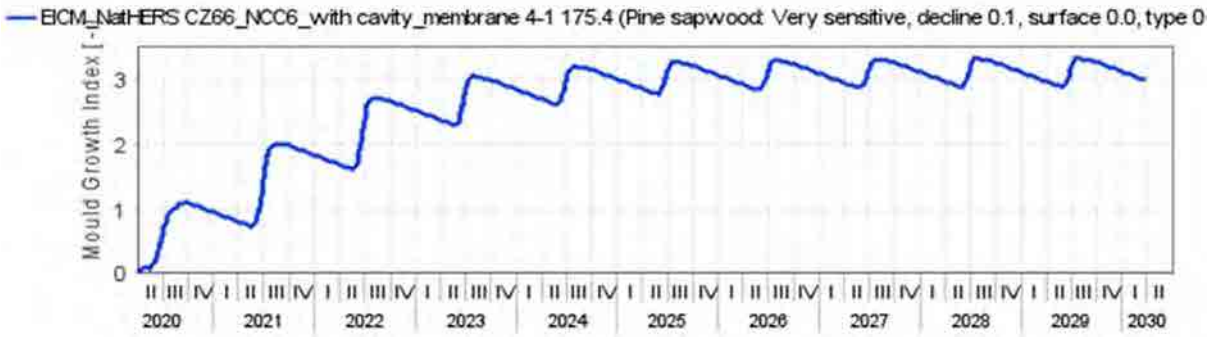

Figure 426: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

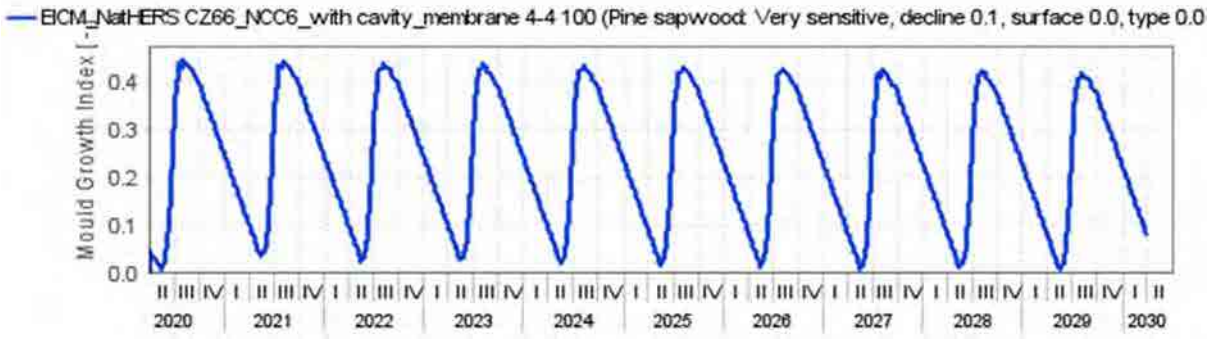

Figure 427 Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

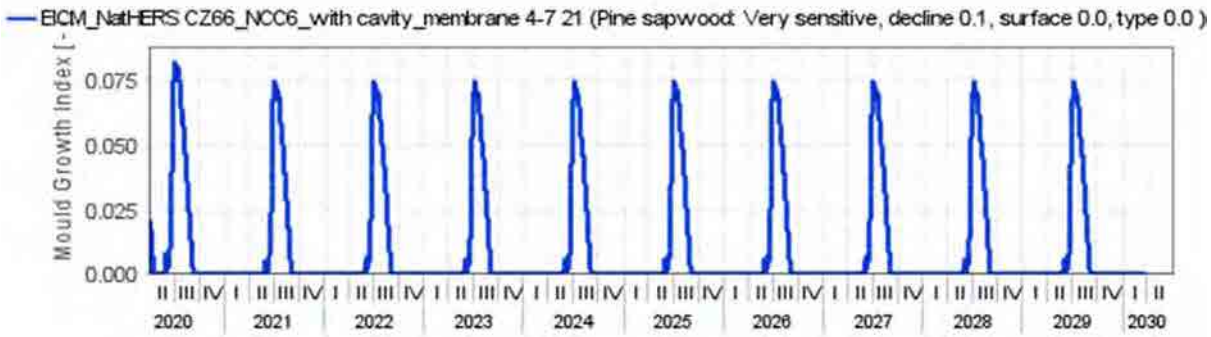

Figure 428: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

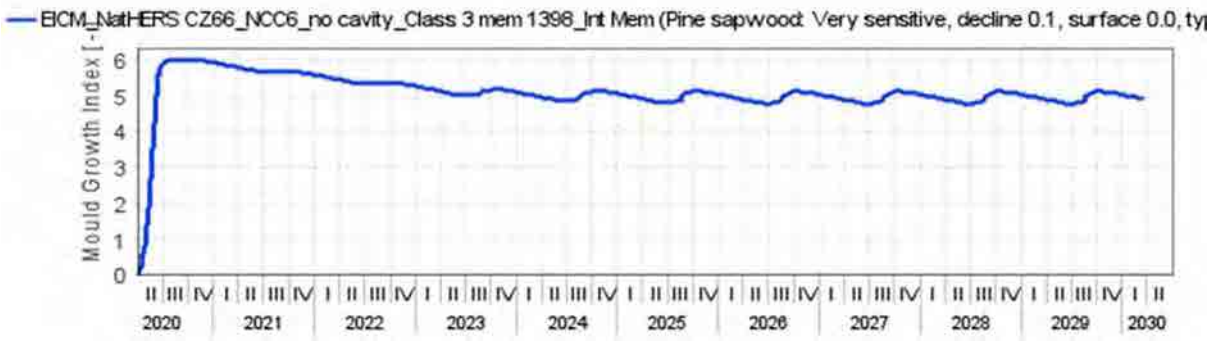

Figure 429: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

10. With Cavity – Exterior Membrane 1 Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

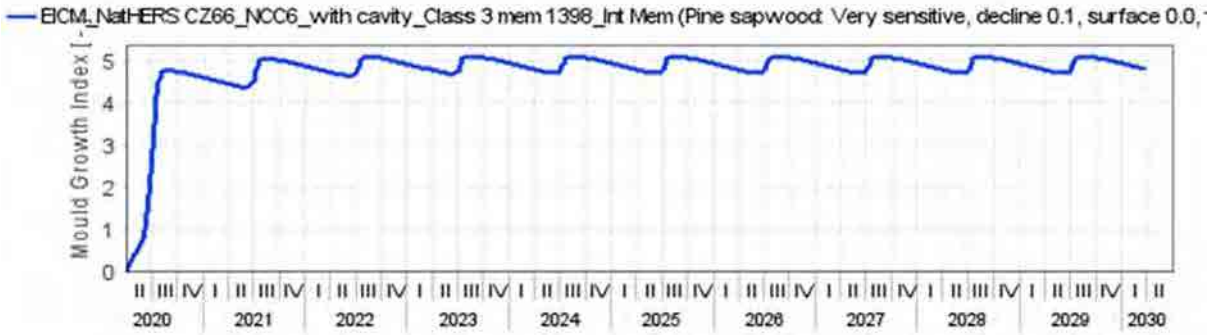

Figure 430: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3– 1398 with Int. Memb. Mould growth within insulated timber frame

11. No Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

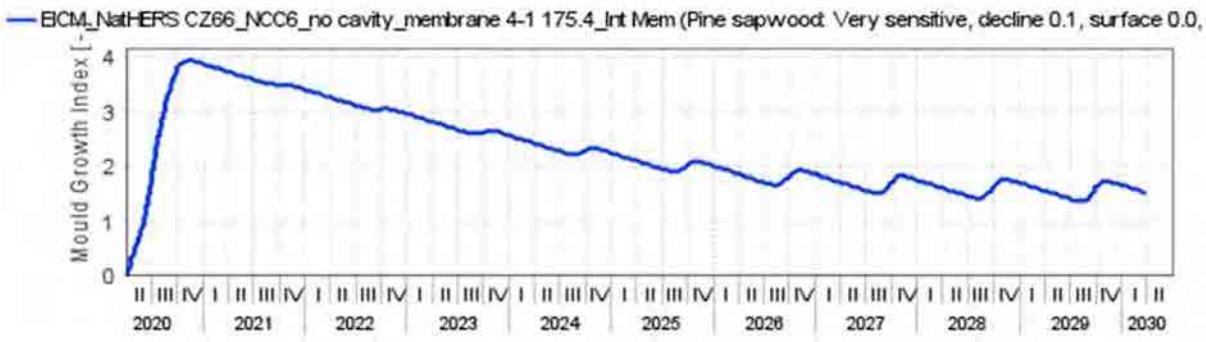

Figure 431: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

12. With Cavity – Exterior Membrane 1 Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

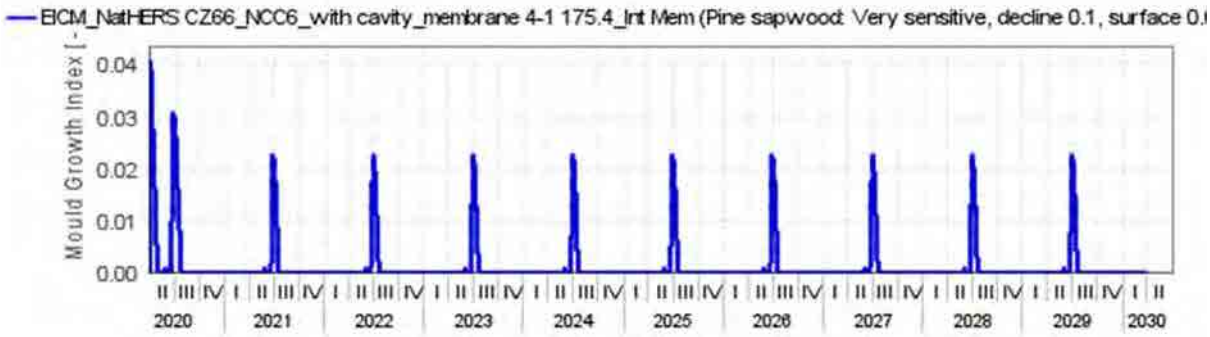

Figure 432: Ext. Ins. Clay Masonry NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

Moisture accumulation and mould growth for 6 Star housing Research Report 3: Enhancements to 6 Star and 7 Star external wall systems housing in Victoria

Appendix 6.1: Hygrothermal simulation results – 6 Star extruded polystyrene (XPS) cladding with insulated frame (Wall 6)

Revision 01 (17/12/2023)

NCC CZ4

NatHERS CZ 27, NCC CZ4: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   The Mould Growth Index within this wall system does not exceed 1.0.

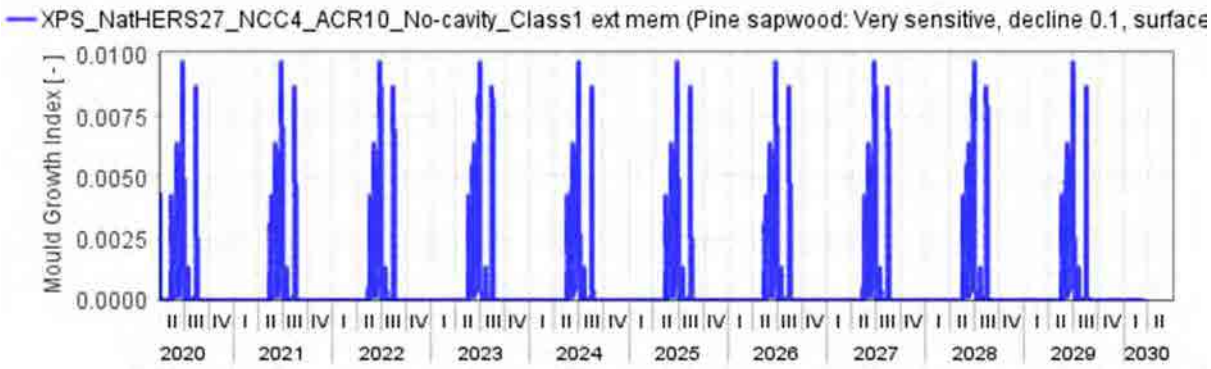

Figure 1: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

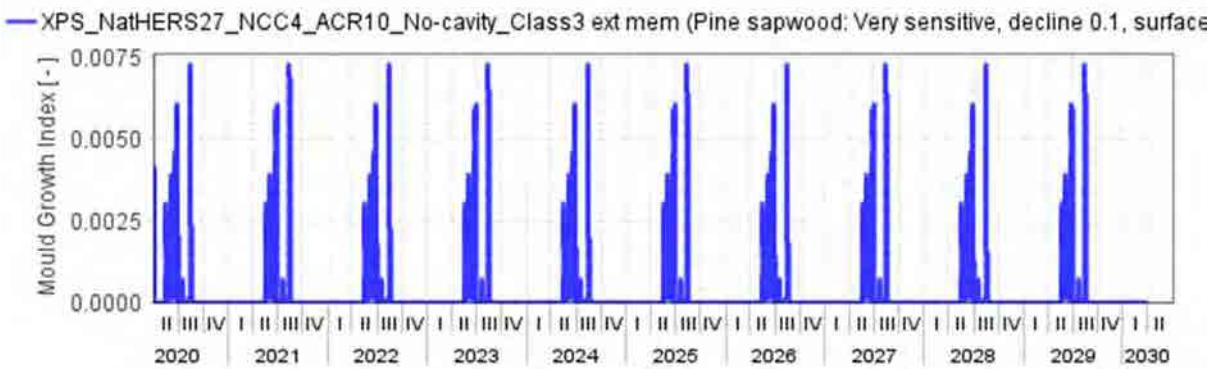

Figure 2: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

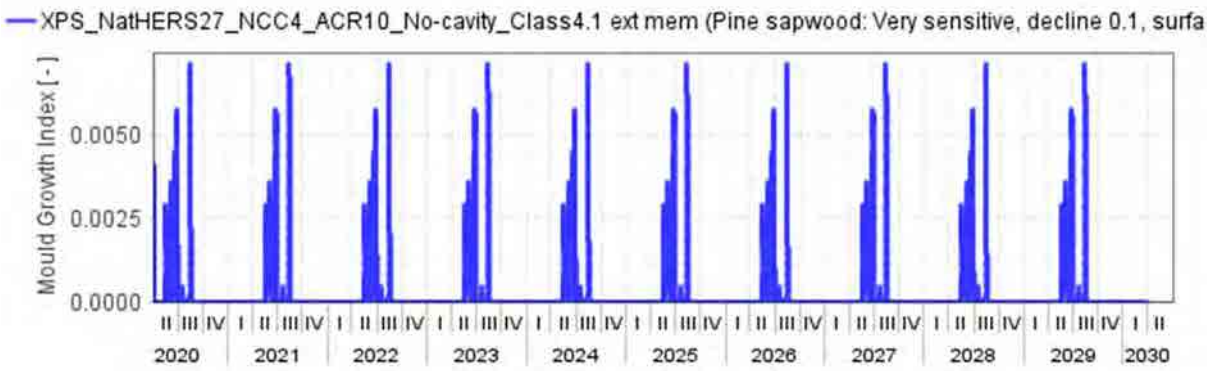

Figure 3: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

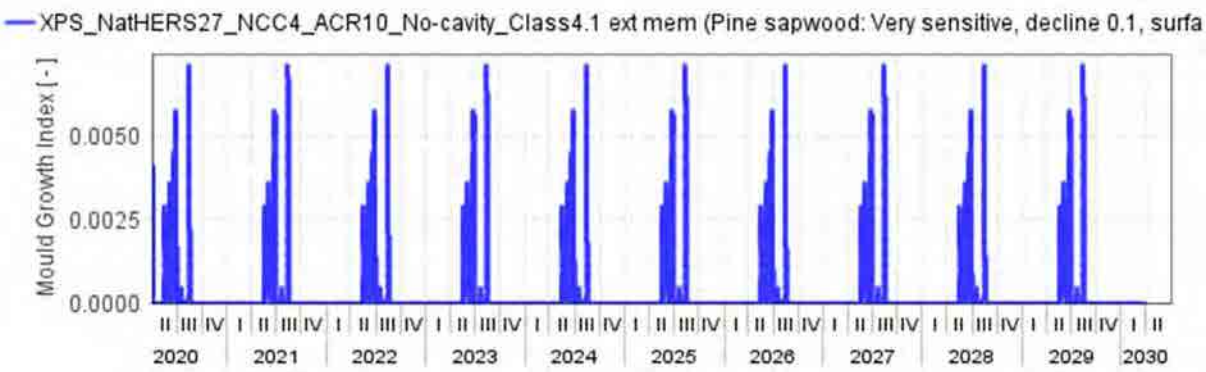

Figure 4 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

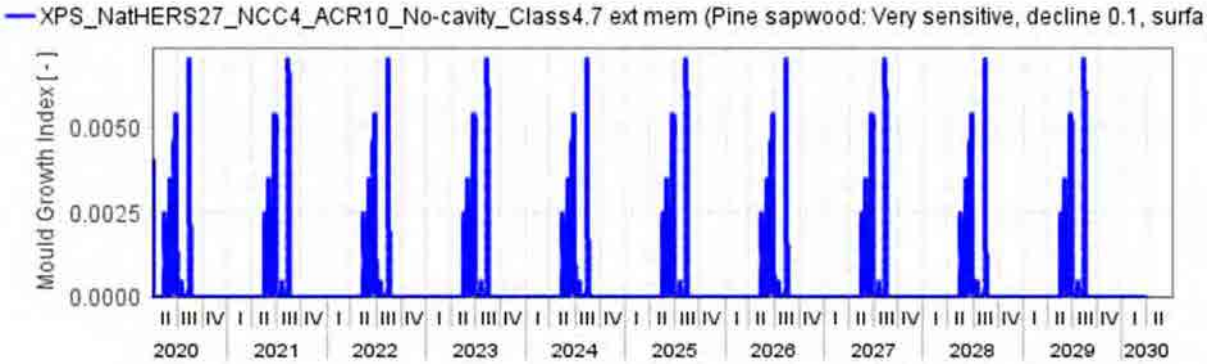

Figure 5: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

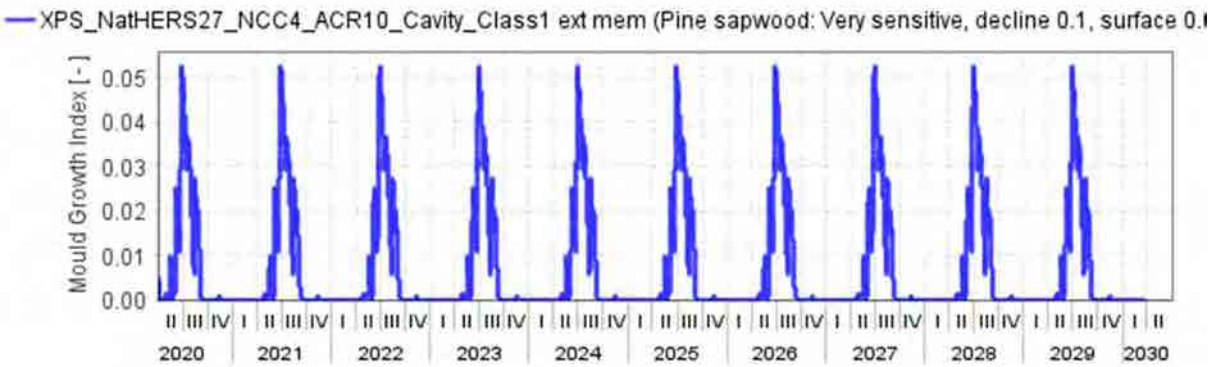

Figure 6: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth –The Mould Growth Index within this wall system does not exceed 1.0.

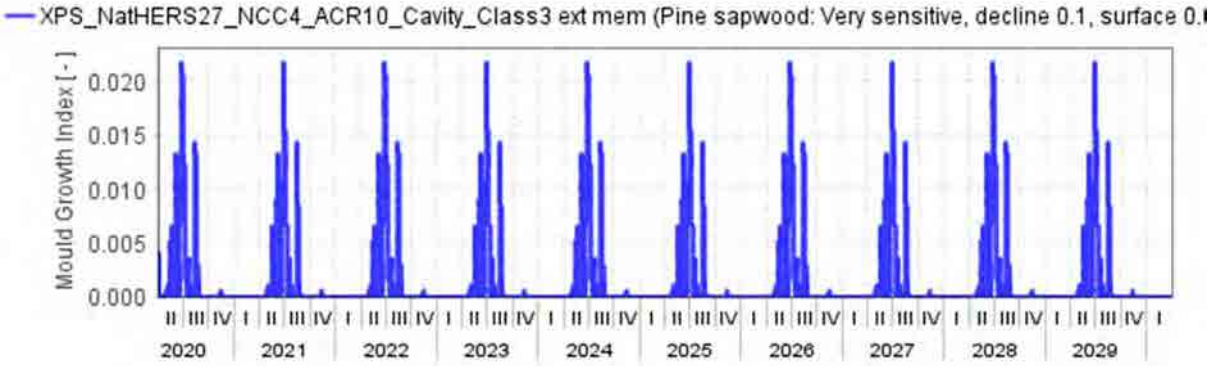

Figure 7: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

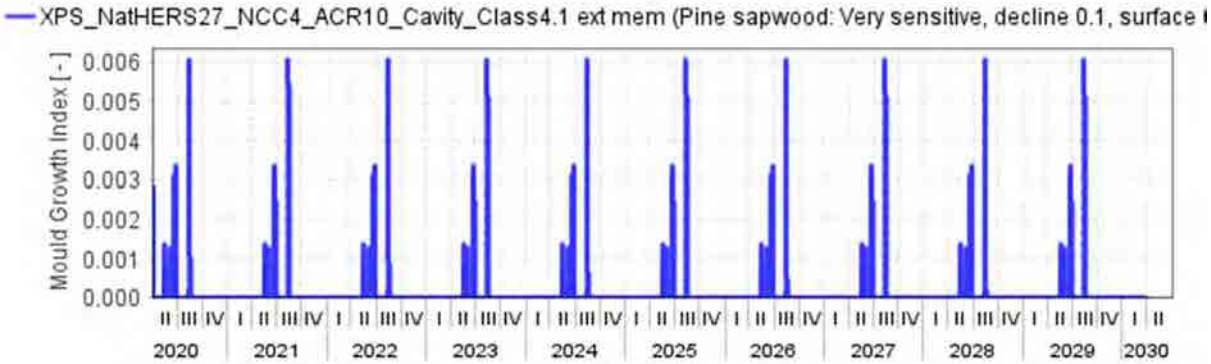

Figure 8: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

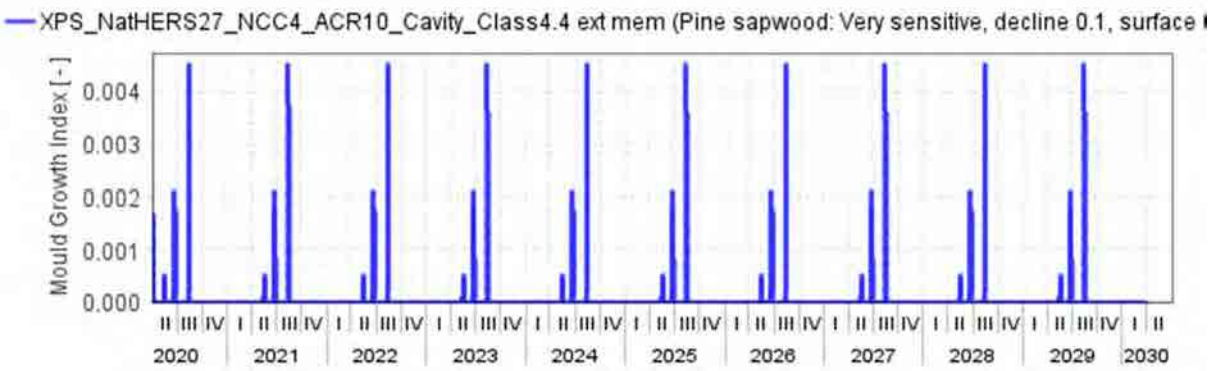

Figure 9 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

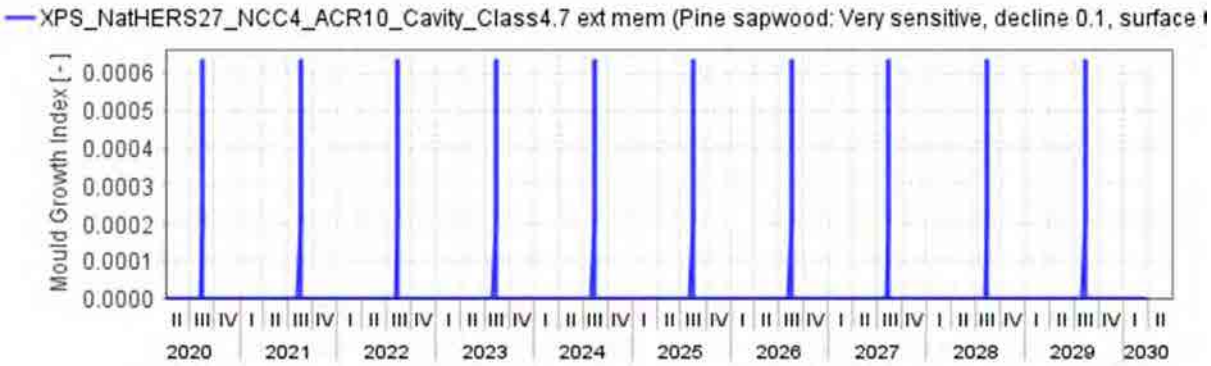

Figure 10: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1 - 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

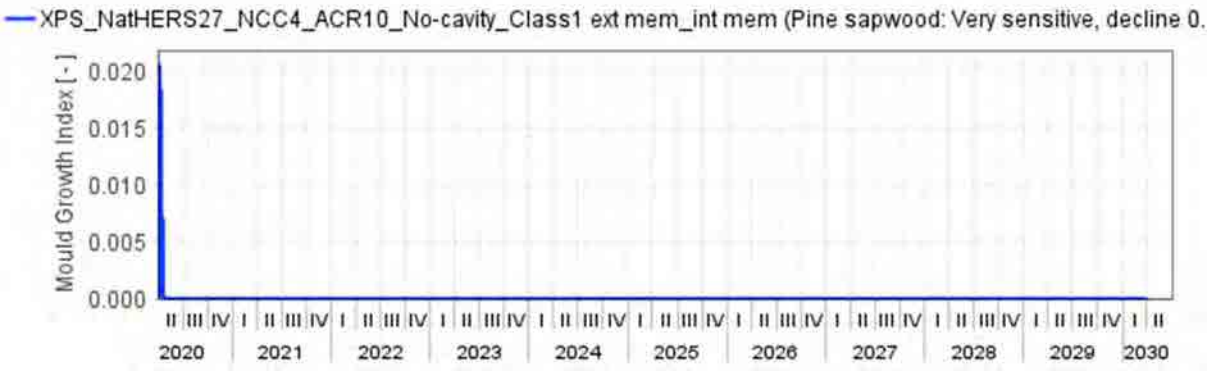

Figure 11 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10, No Cavity – Ext. Memb. Class 1 - 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

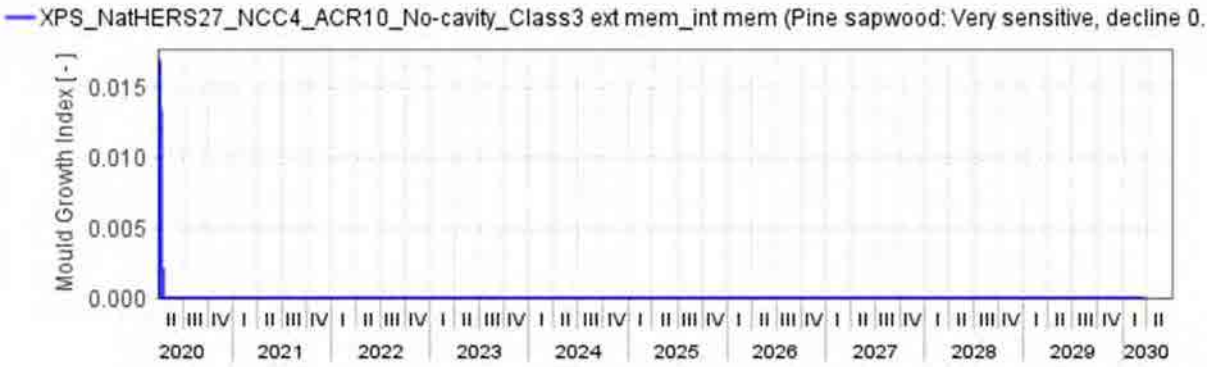

Figure 12 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10, No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1 - 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

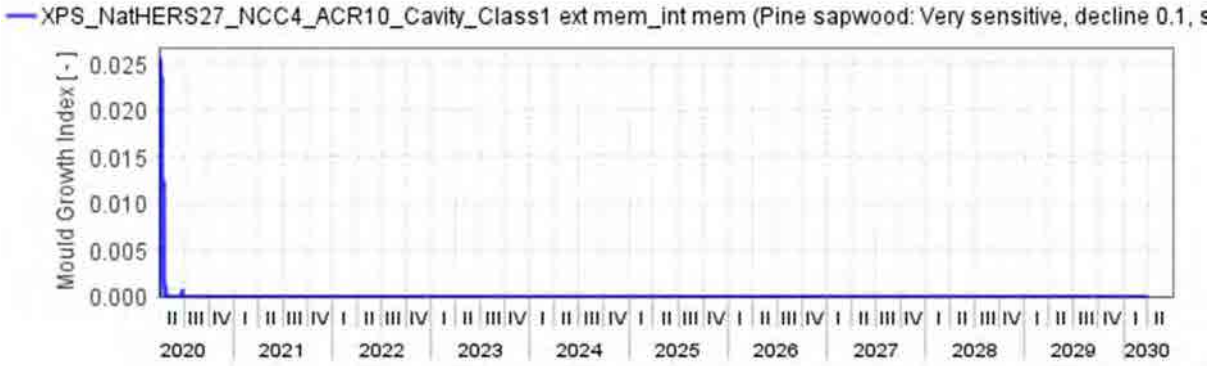

Figure 13 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10, With Cavity – Ext. Memb. Class 1 - 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

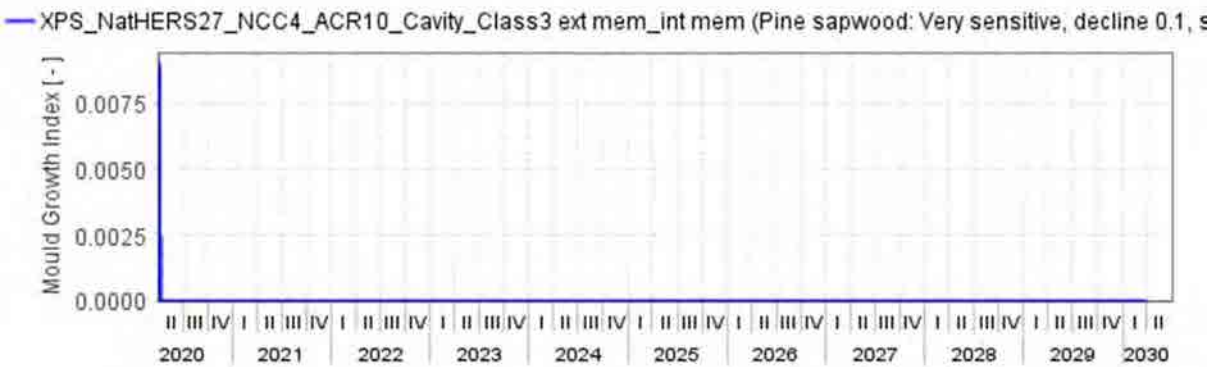

Figure 14 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 10, With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

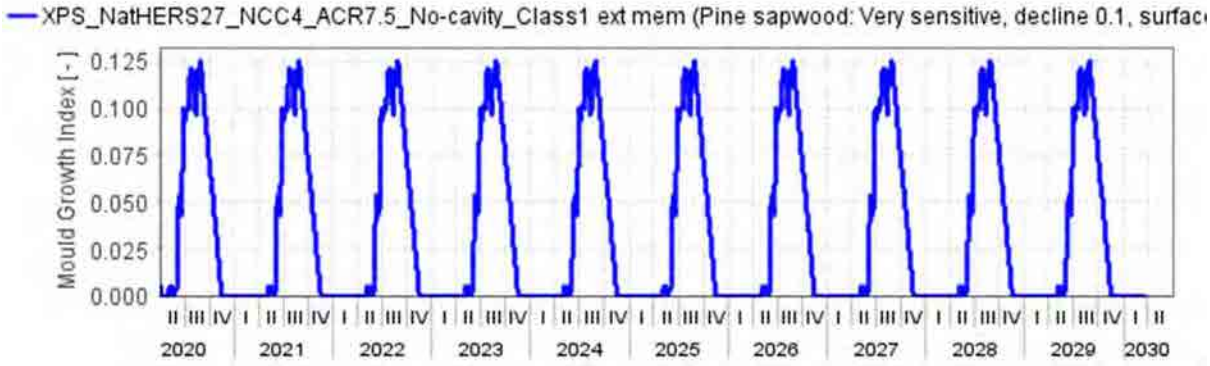

Figure 15: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

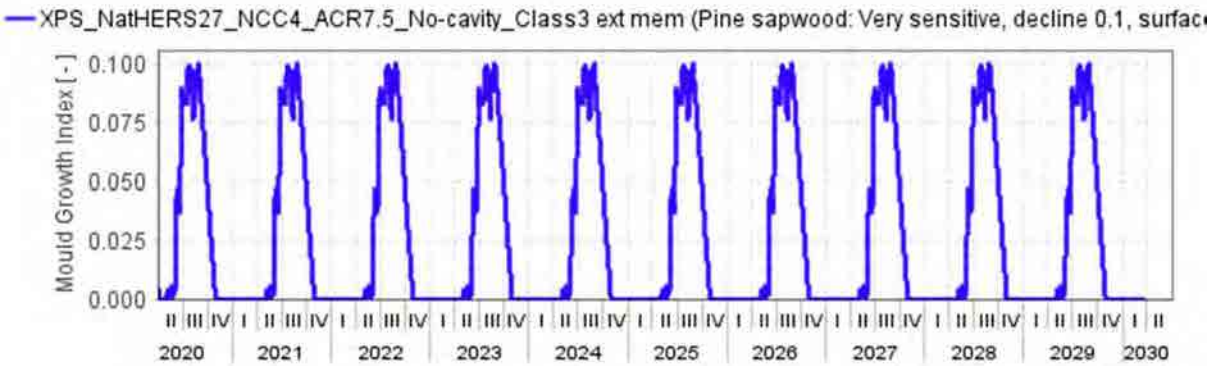

Figure 16: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

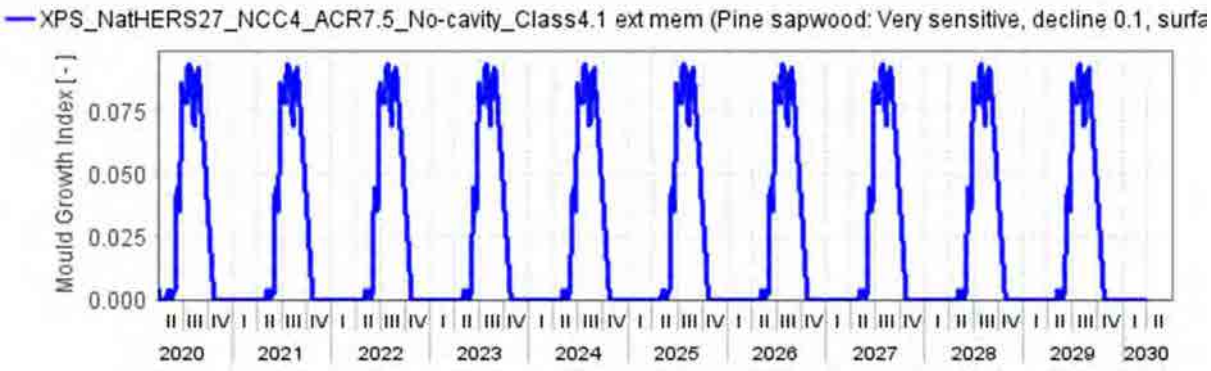

Figure 17: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 18 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

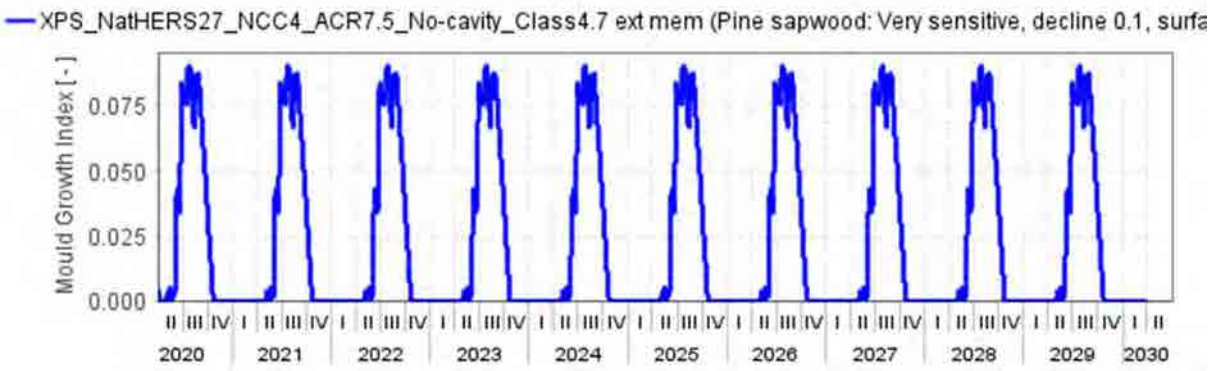

Figure 19: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

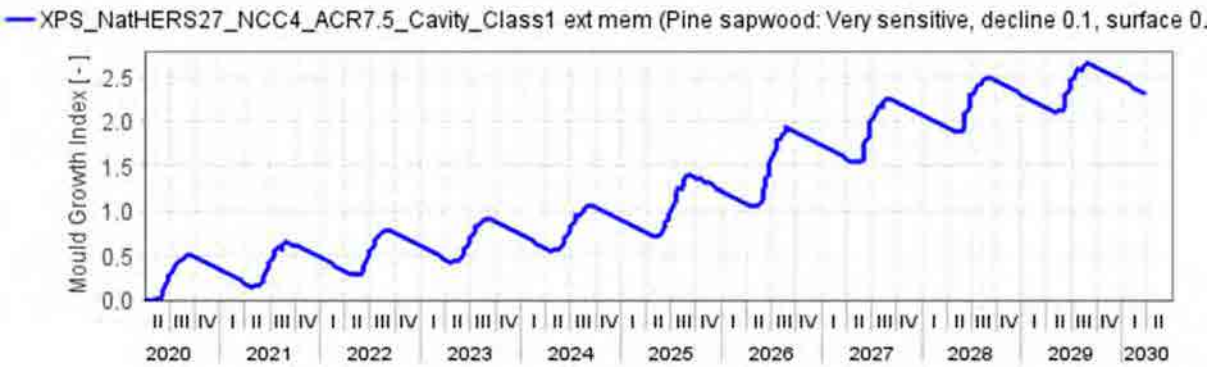

Figure 20: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

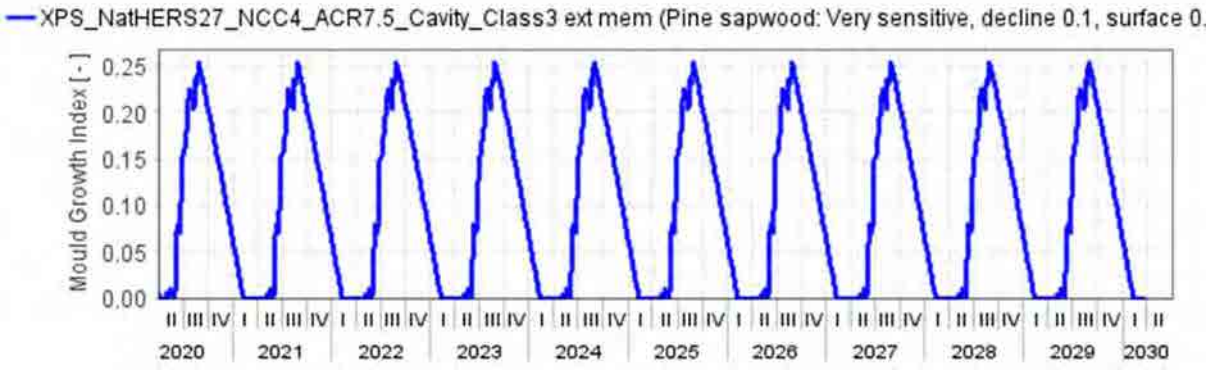

Figure 21: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

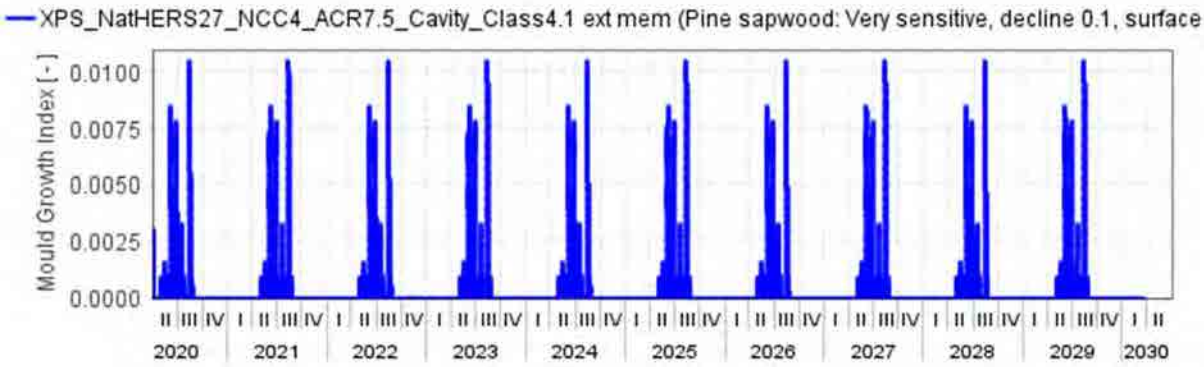

Figure 22: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

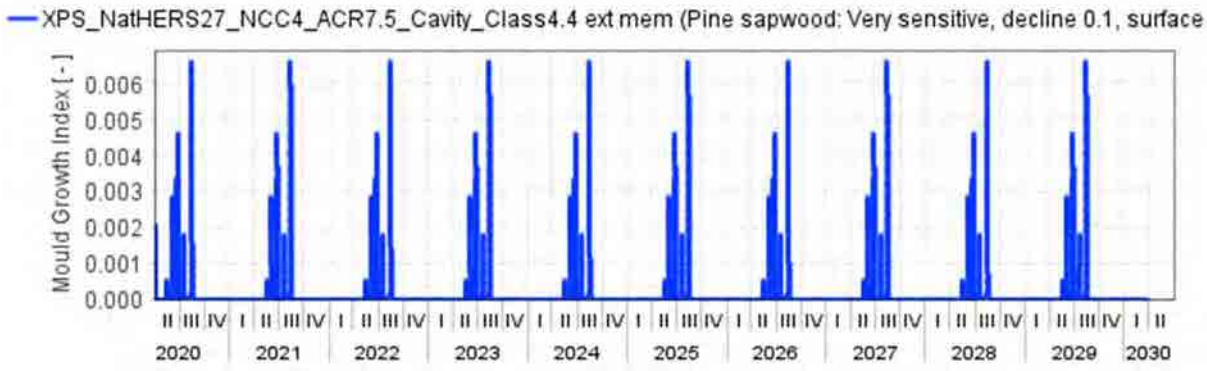

Figure 23 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

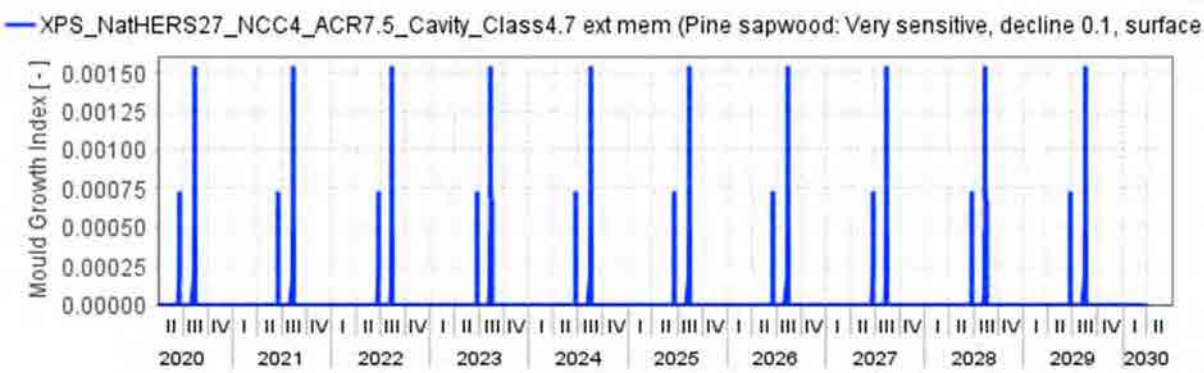

Figure 24: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

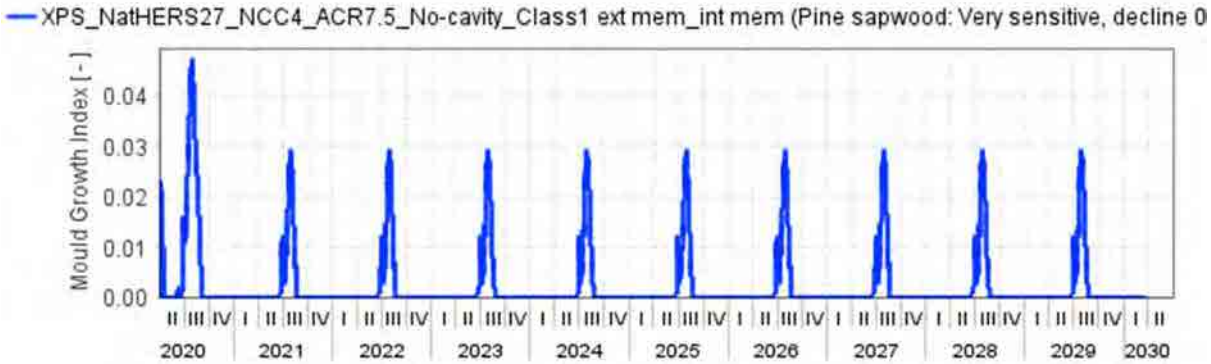

Figure 25 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5, No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

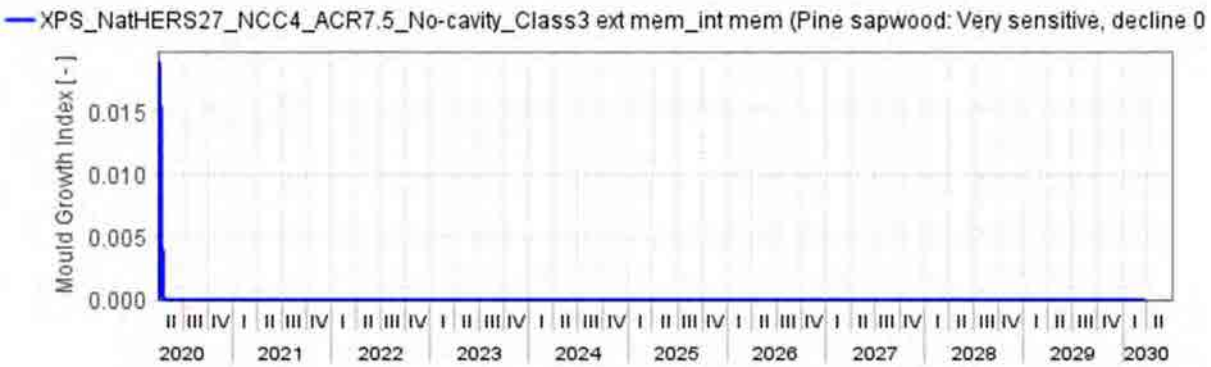

Figure 26 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5, No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

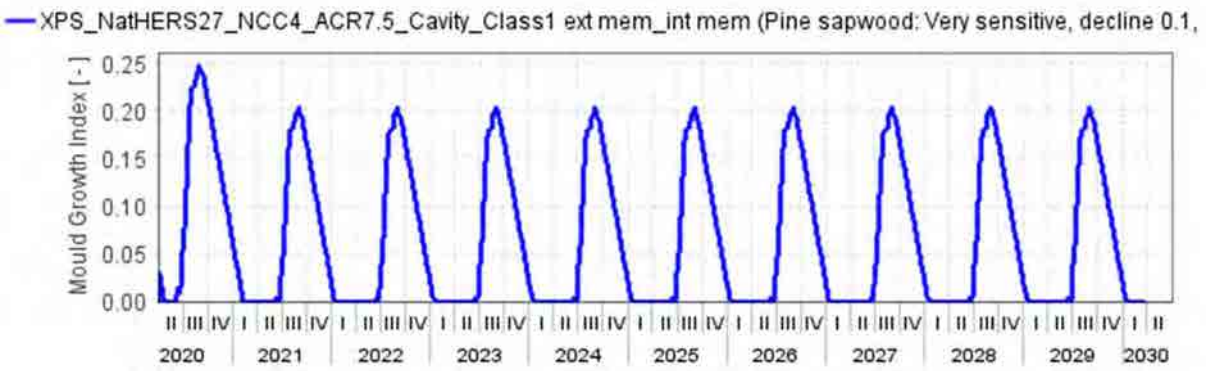

Figure 27 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5, With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

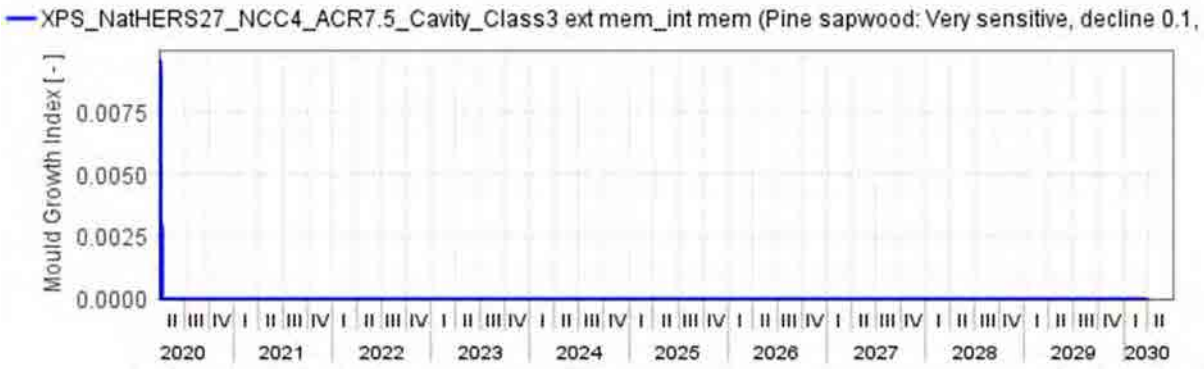

Figure 28 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 7.5, With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

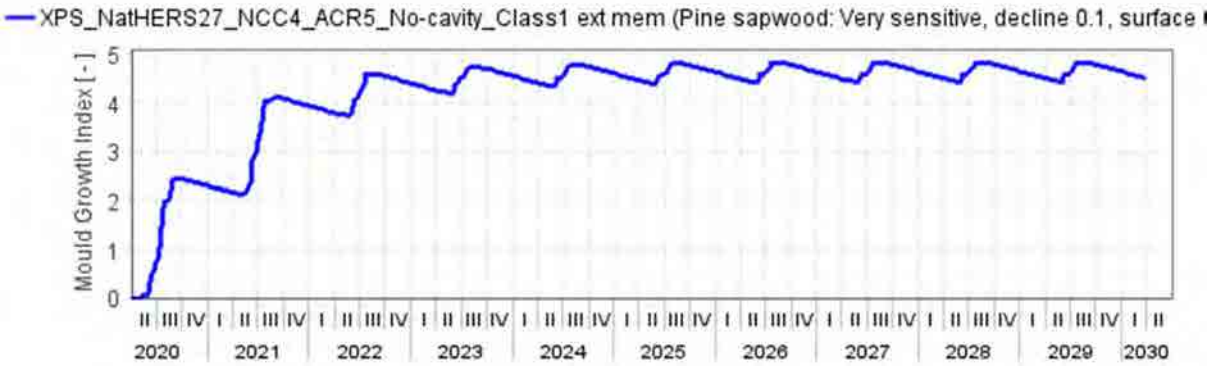

Figure 29: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

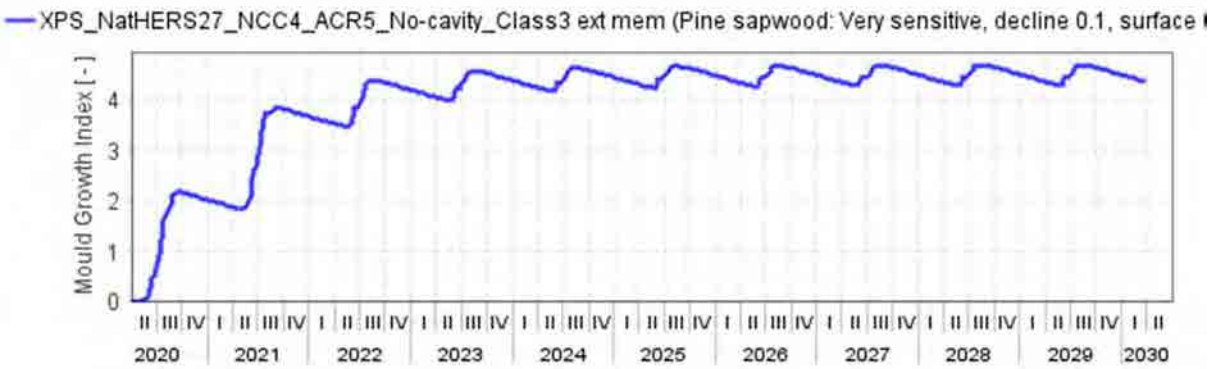

Figure 30: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

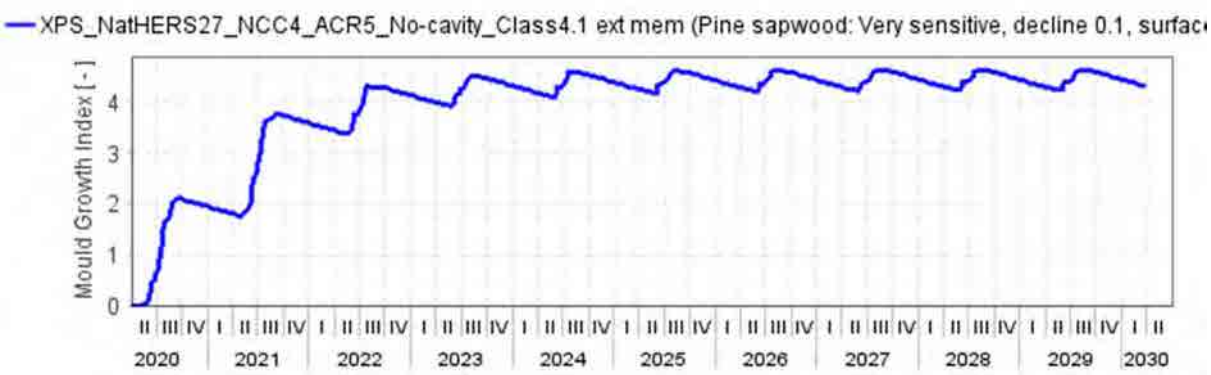

Figure 31: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

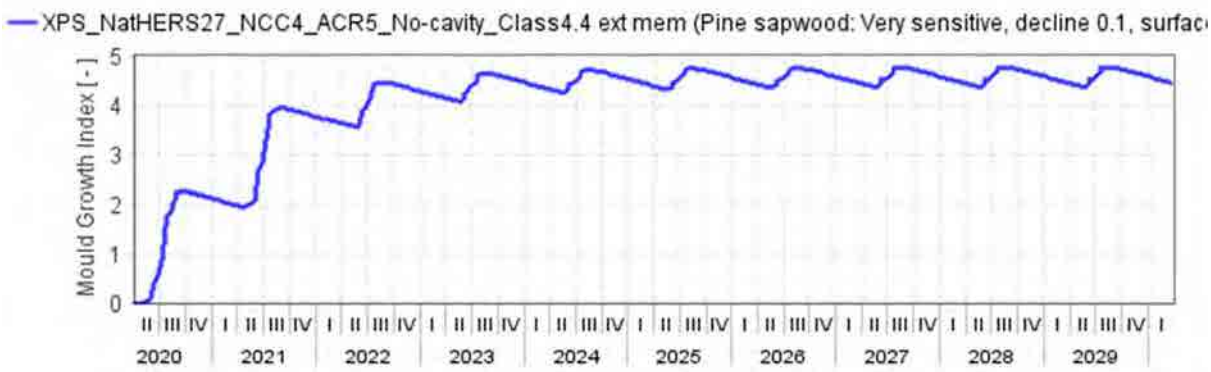

Figure 32 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

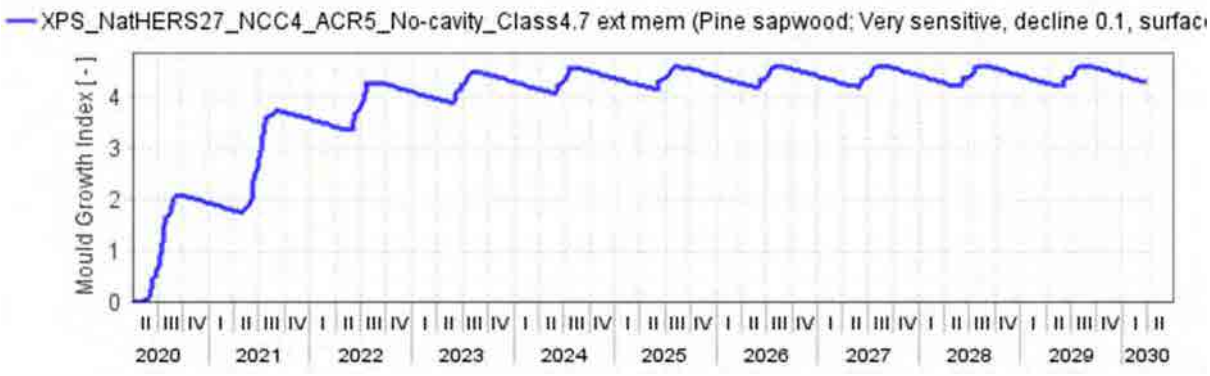

Figure 33: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

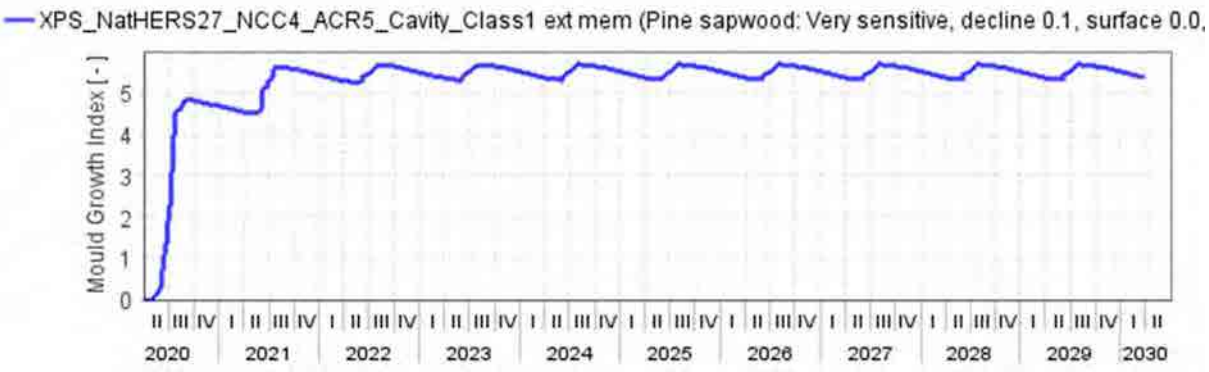

Figure 34: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

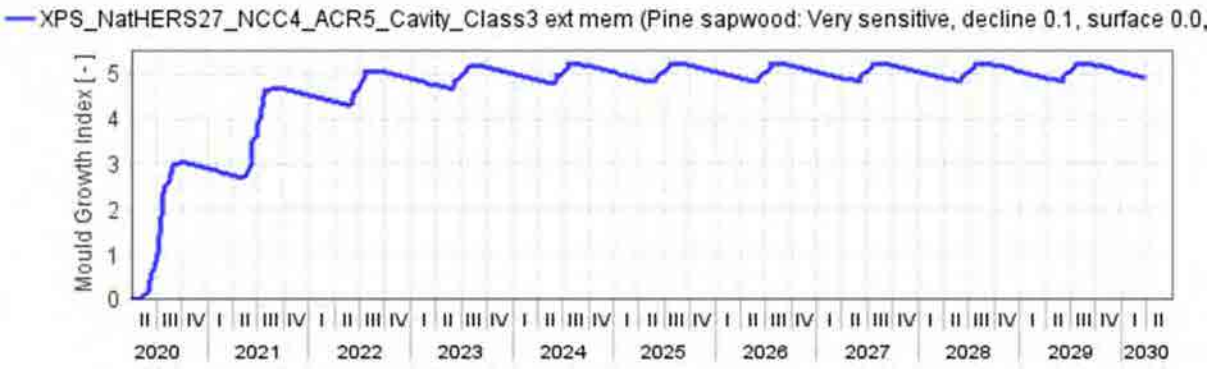

Figure 35: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

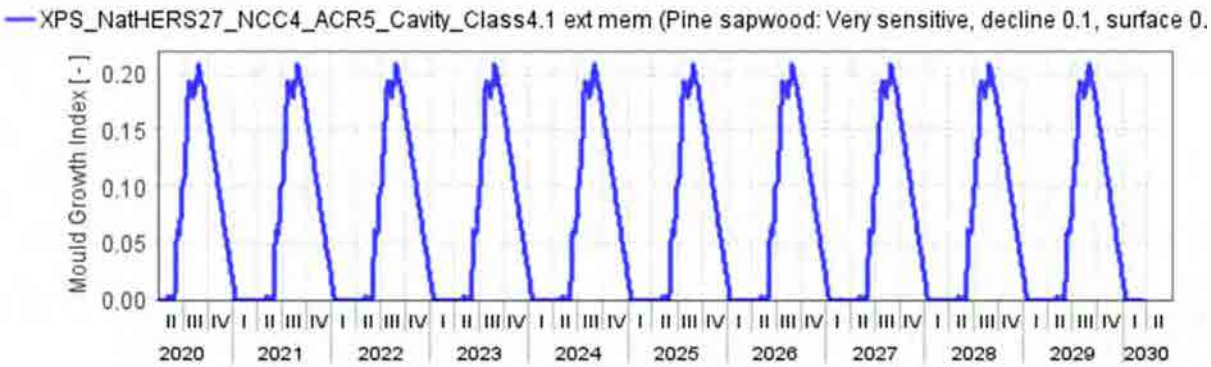

Figure 36: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

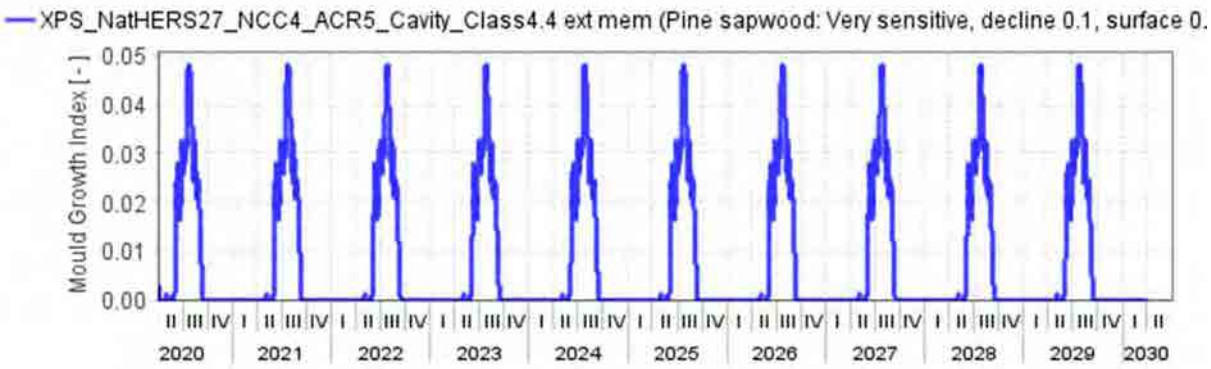

Figure 37 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

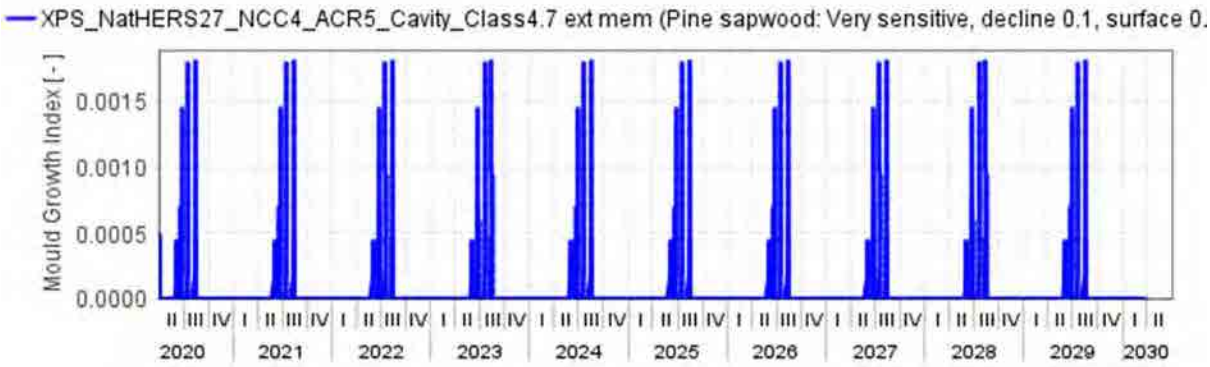

Figure 38: XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

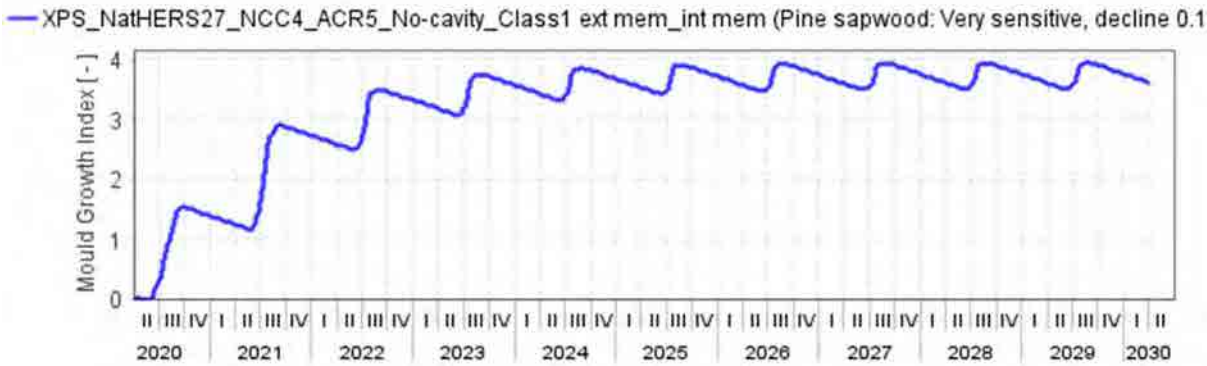

Figure 39 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5, No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

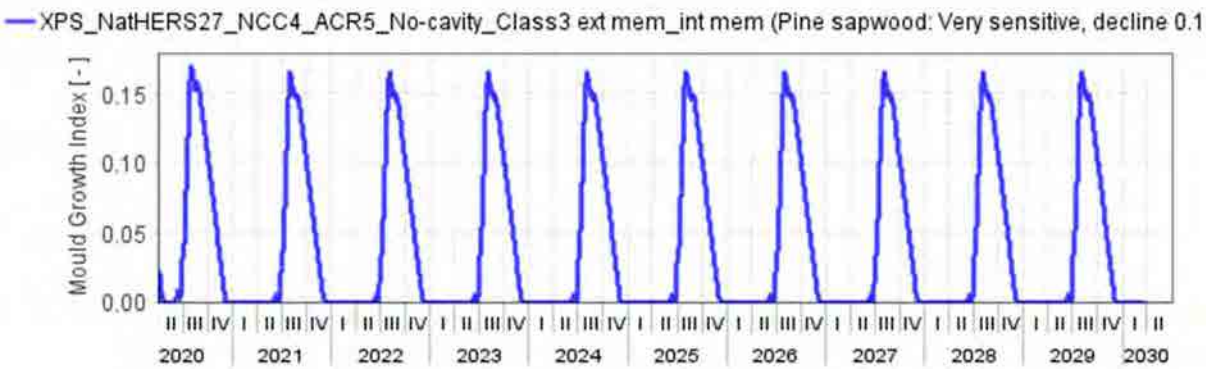

Figure 40 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5, No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 41 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5, With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

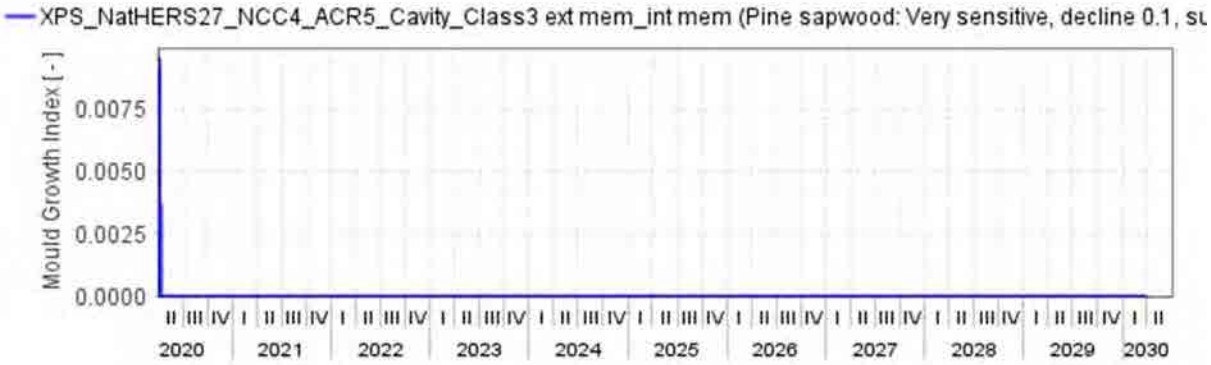

Figure 42 XPS NatHERS CZ 27 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ4: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

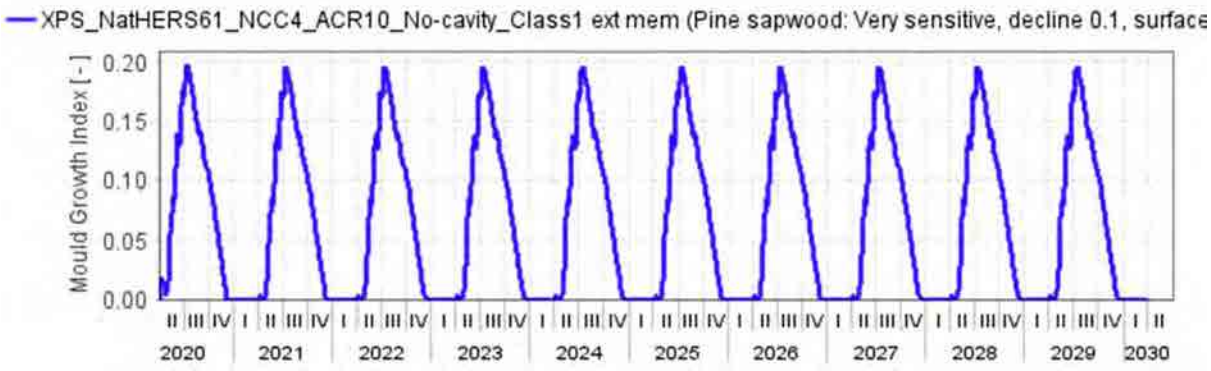

Figure 43: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

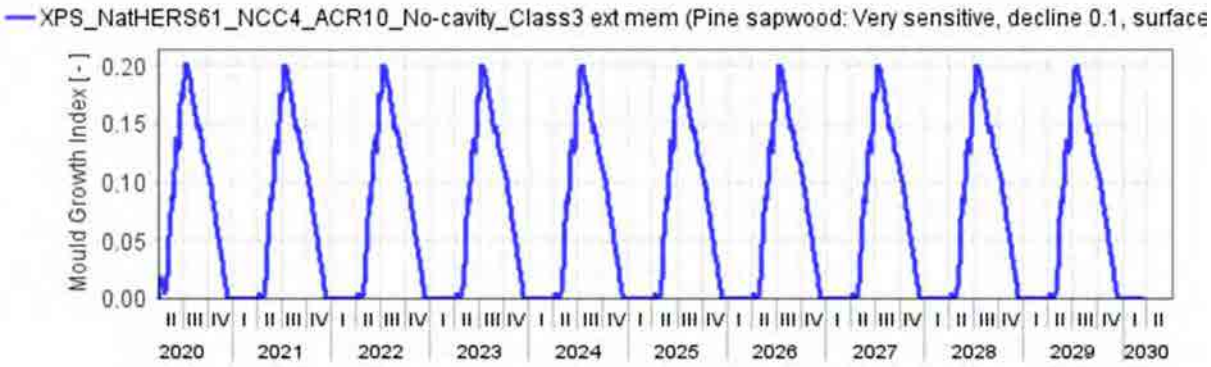

Figure 44: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

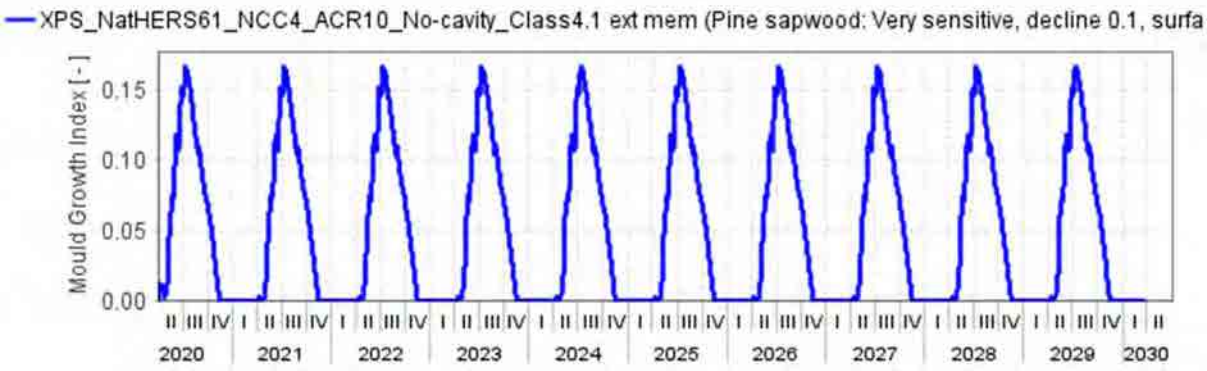

Figure 45: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

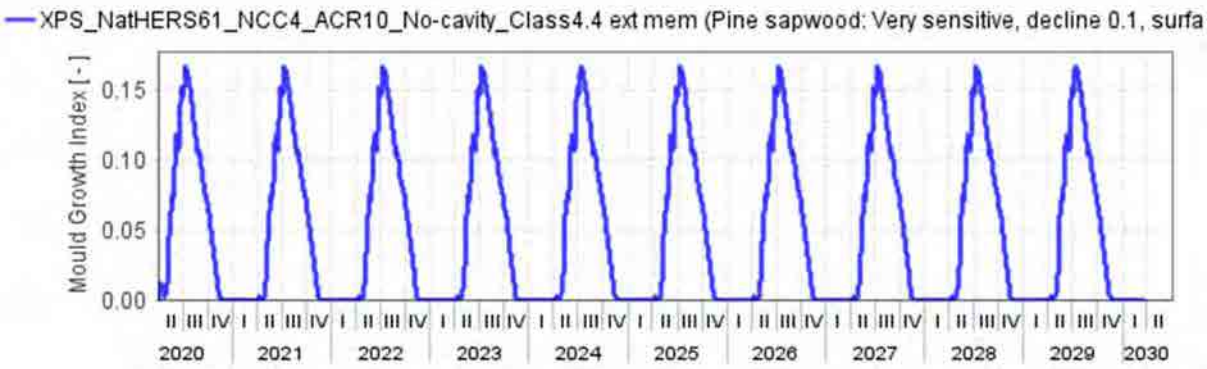

Figure 46 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

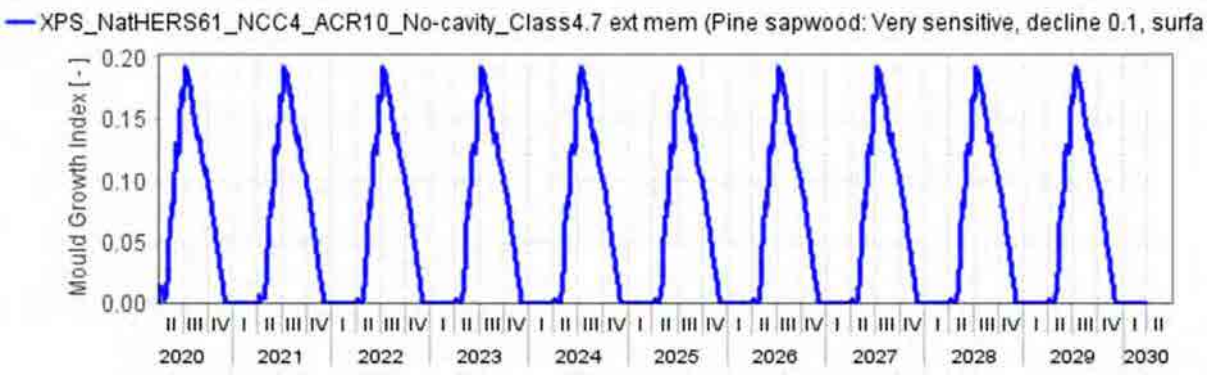

Figure 47: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

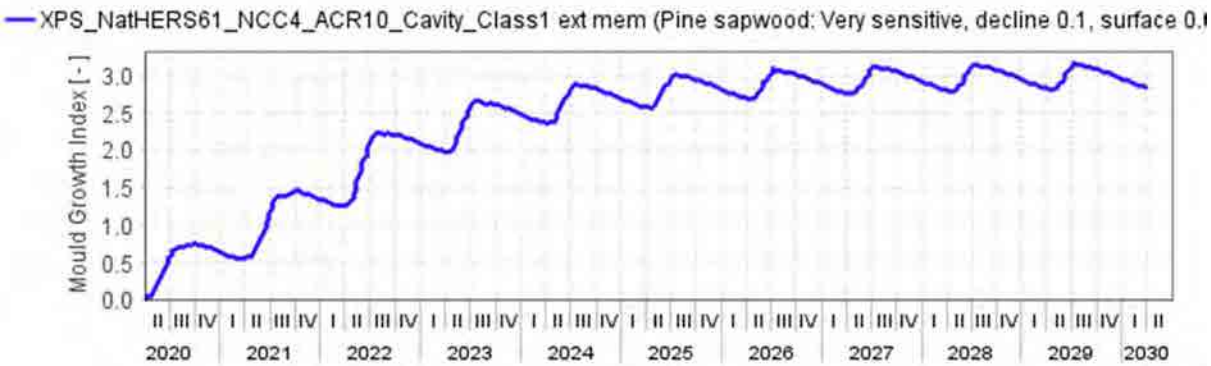

Figure 48: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

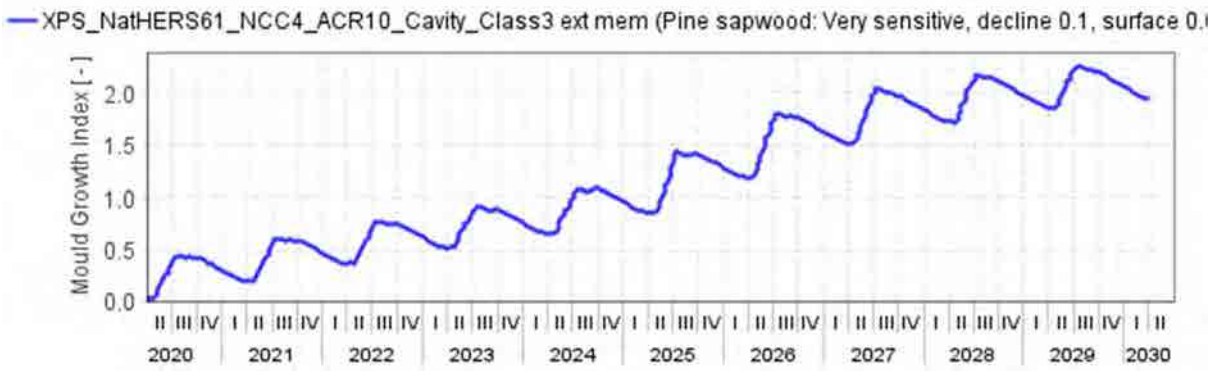

Figure 49: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

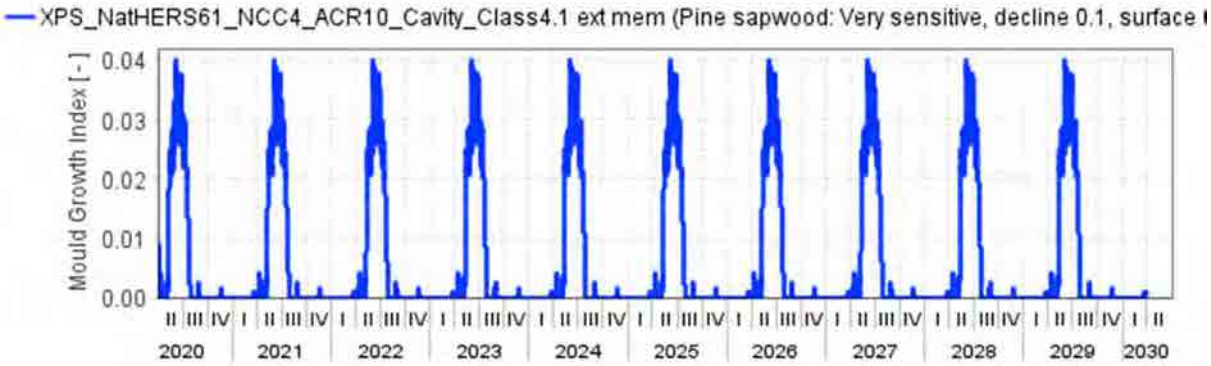

Figure 50: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

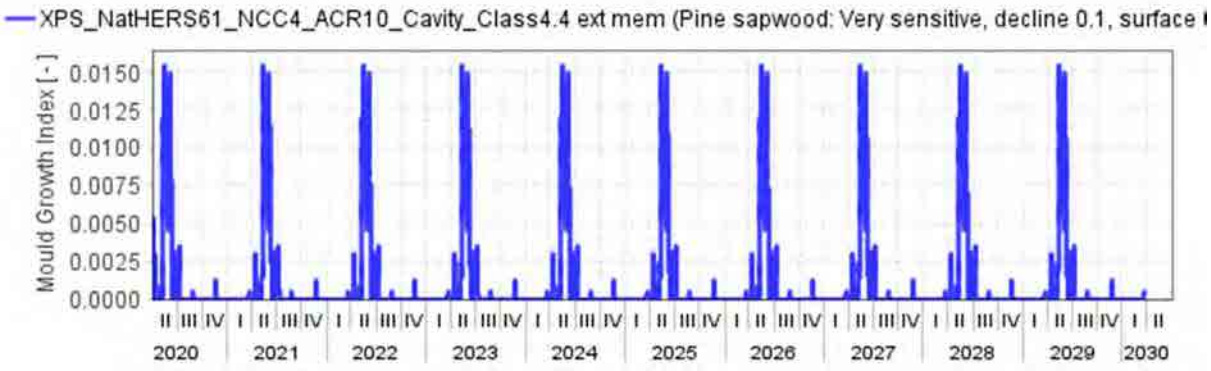

Figure 51 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

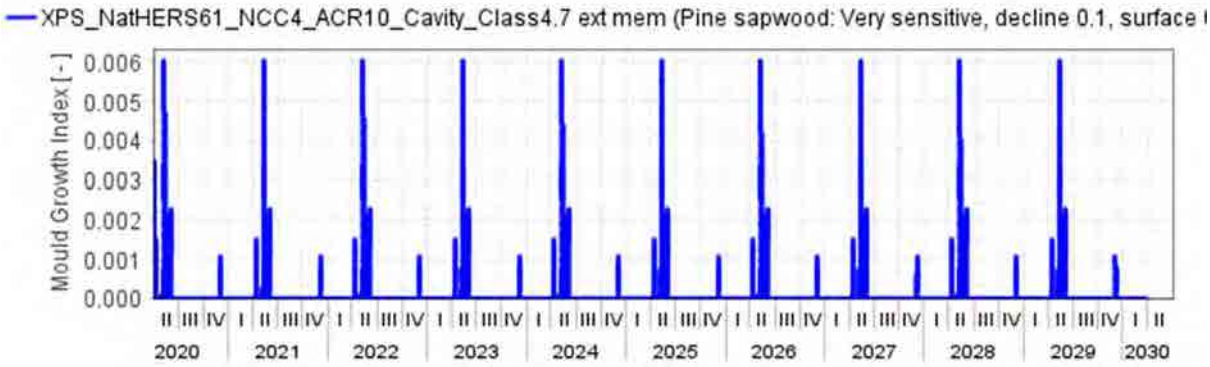

Figure 52: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

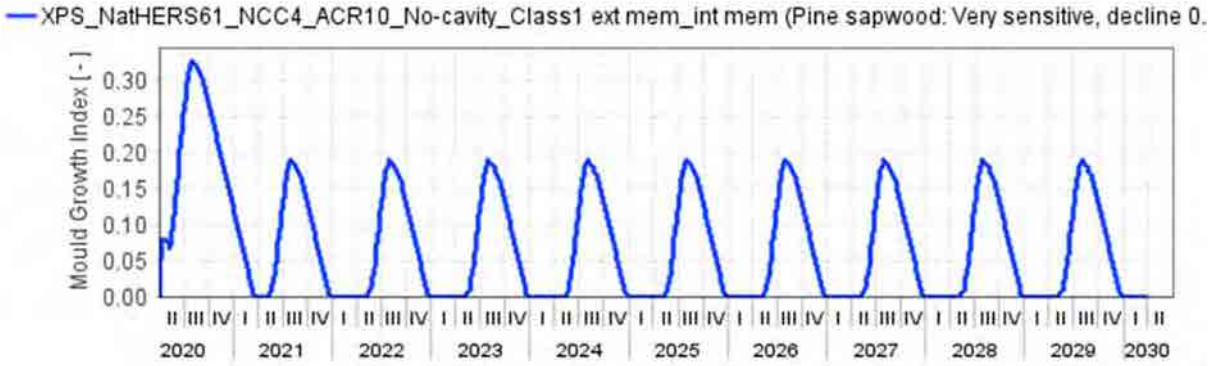

Figure 53 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

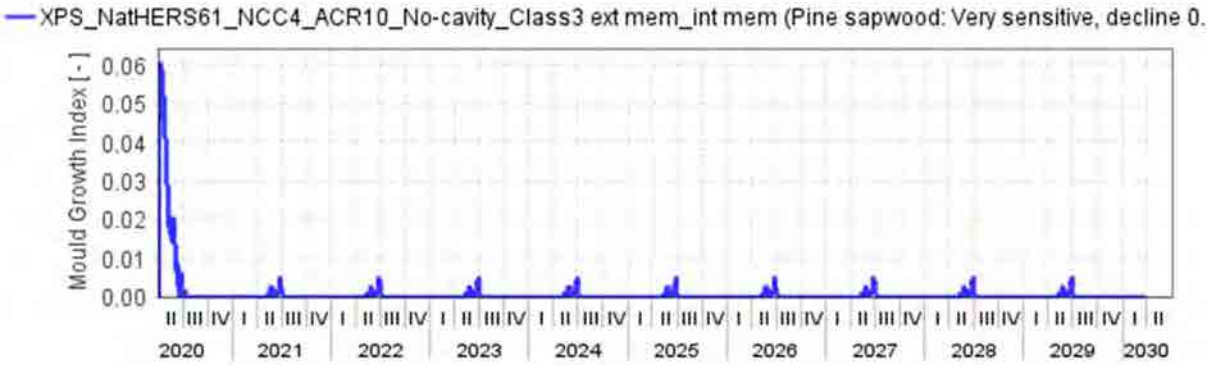

Figure 54 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

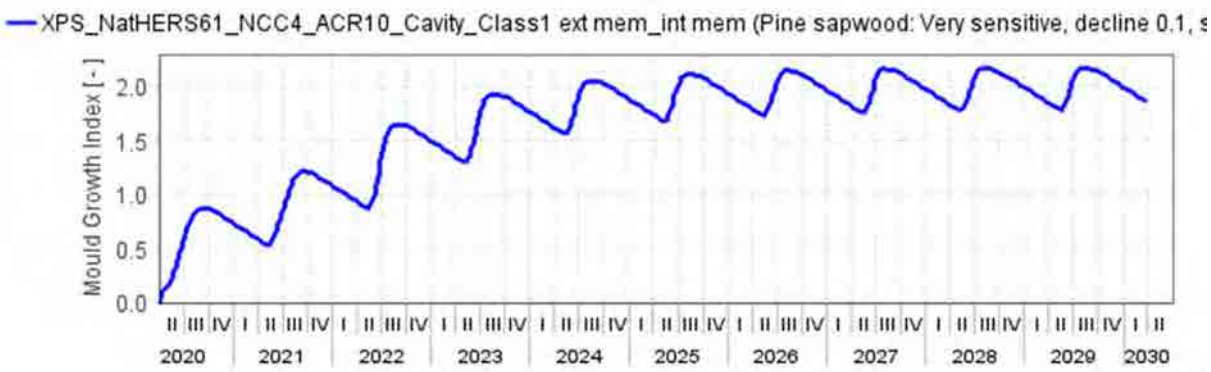

Figure 55 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

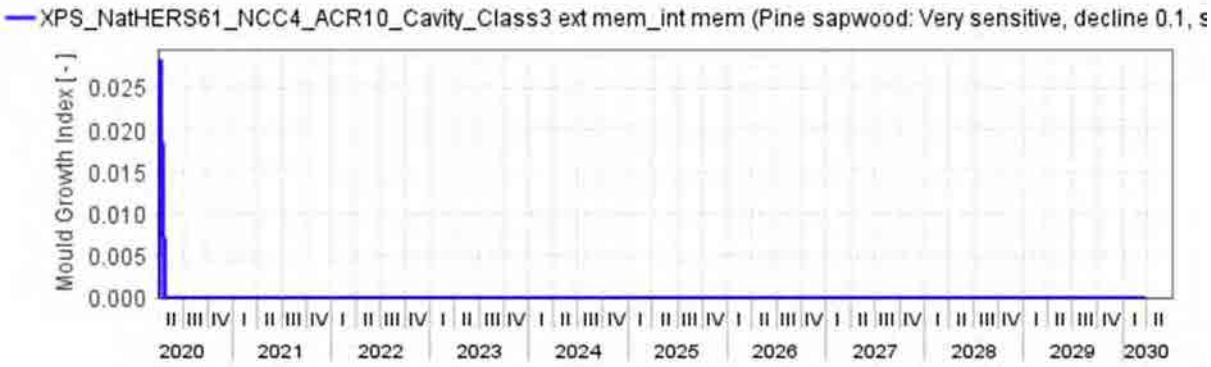

Figure 56 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

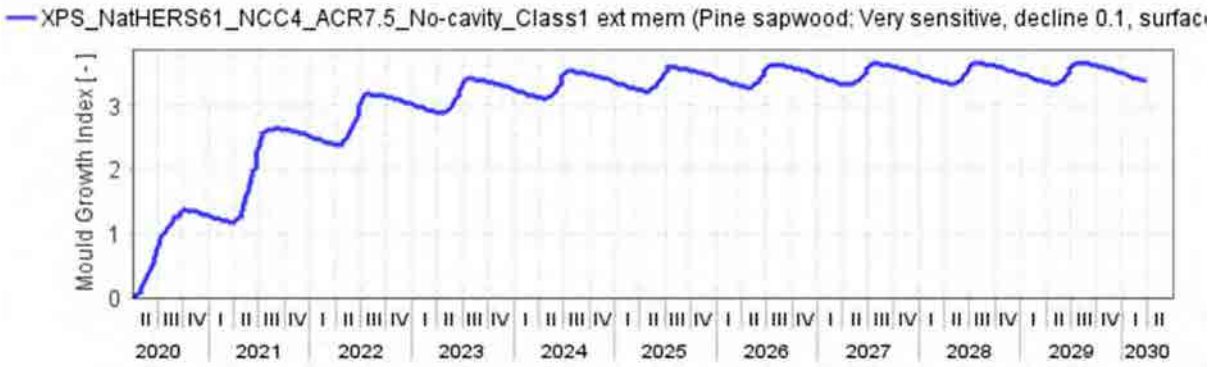

Figure 57: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

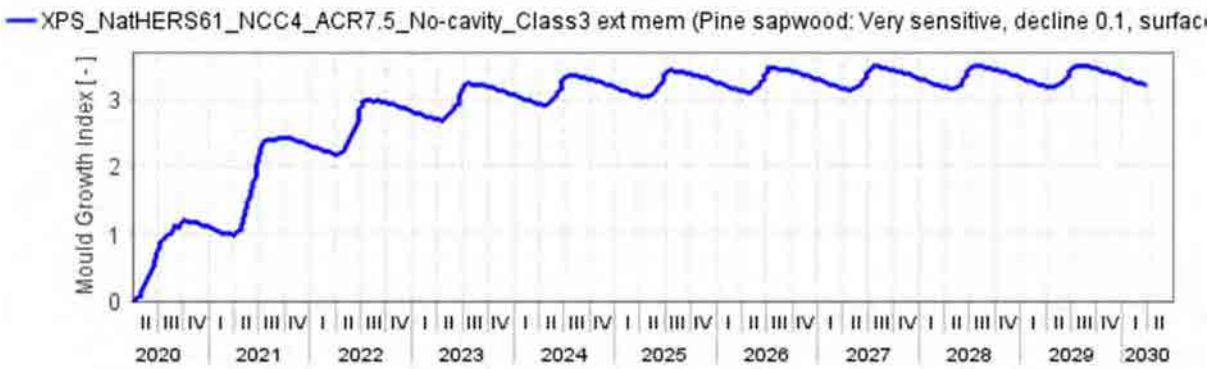

Figure 58: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

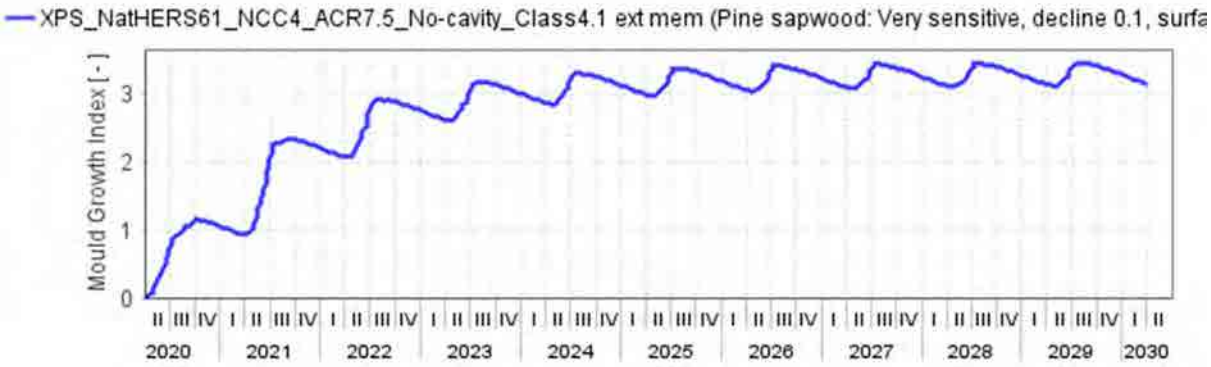

Figure 59: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

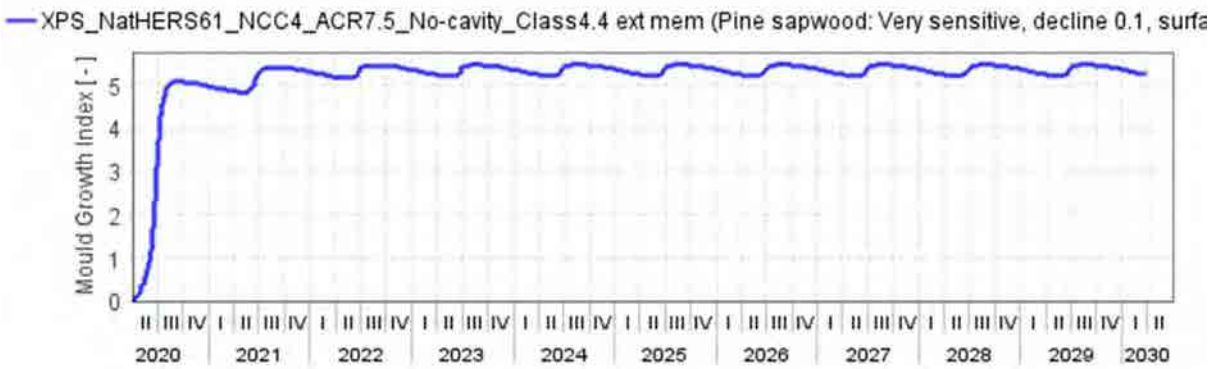

Figure 60 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

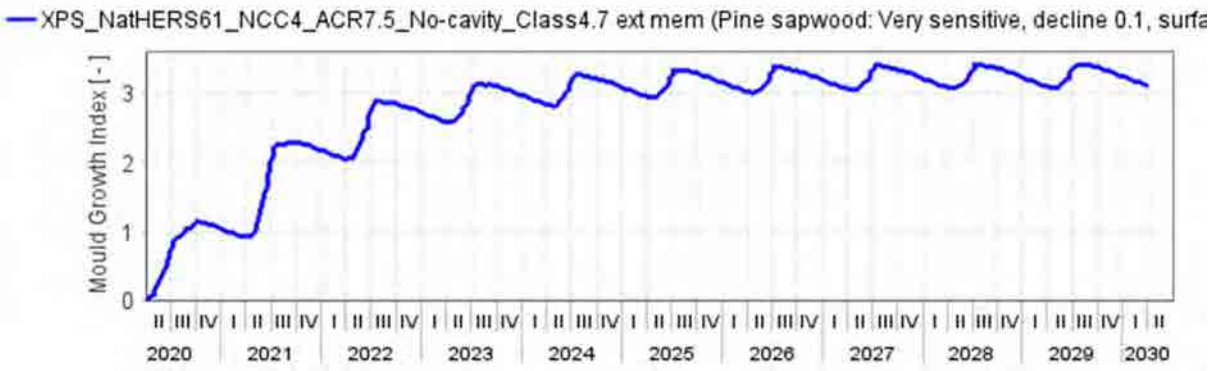

Figure 61: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

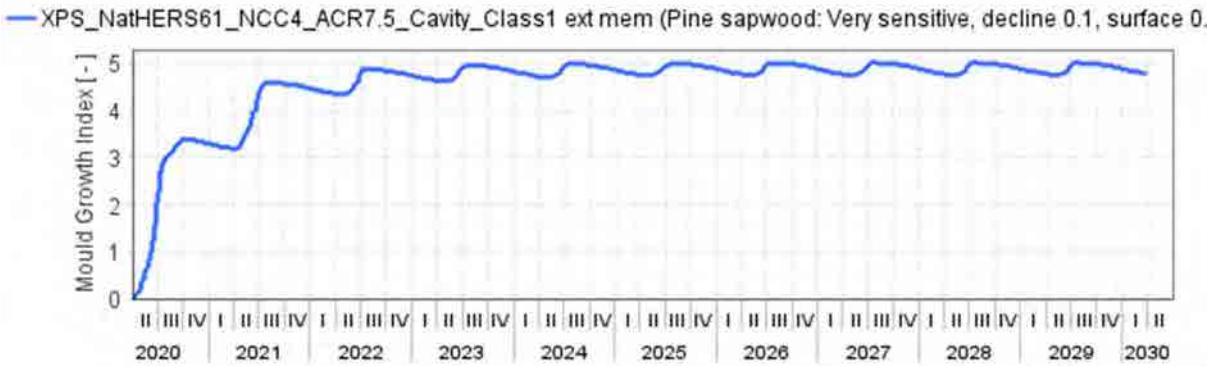

Figure 62: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

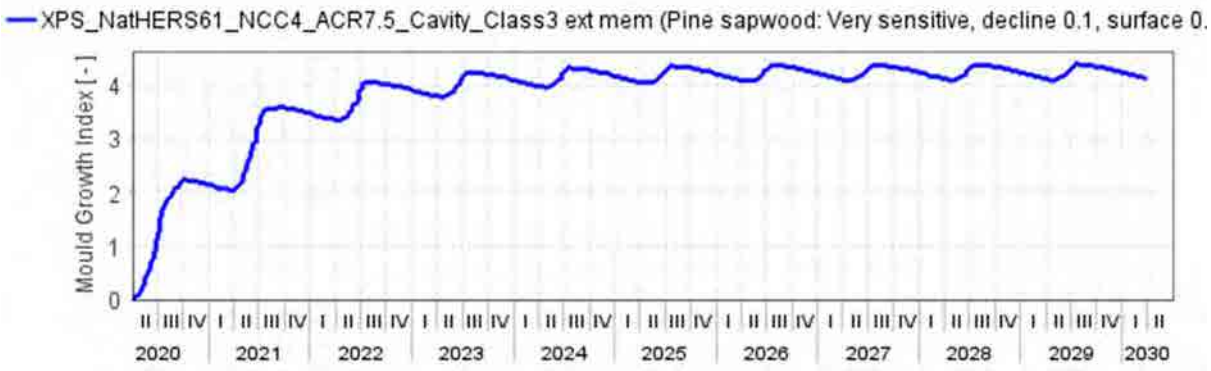

Figure 63: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

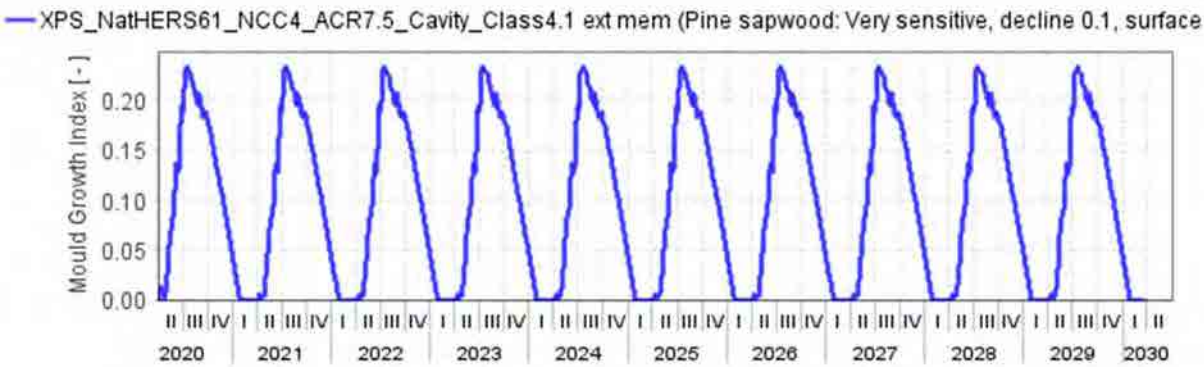

Figure 64: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

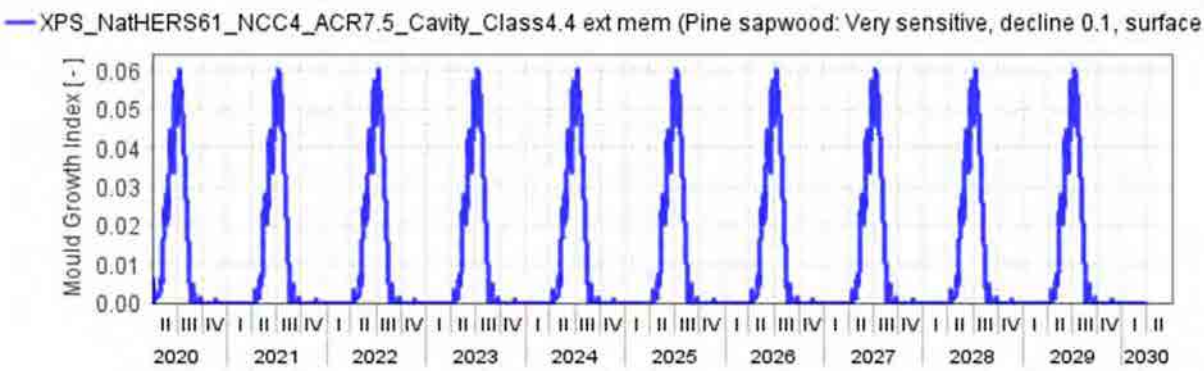

Figure 65 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

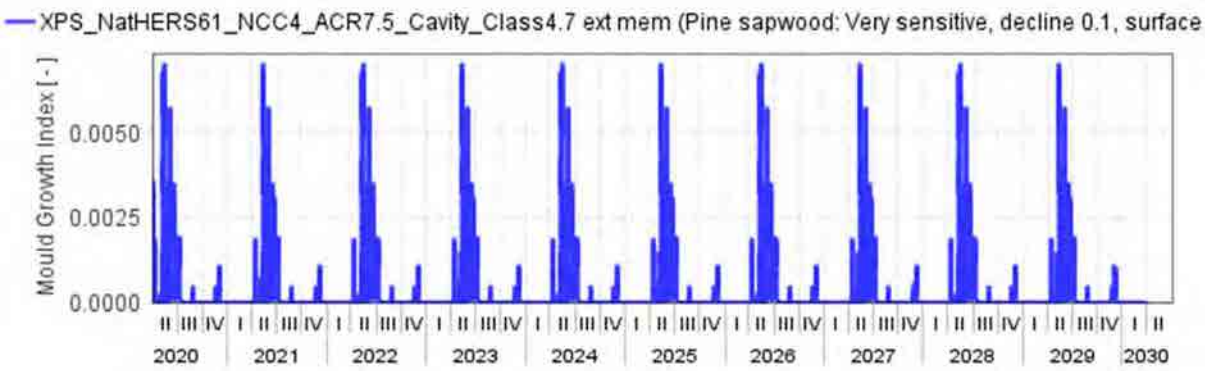

Figure 66: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

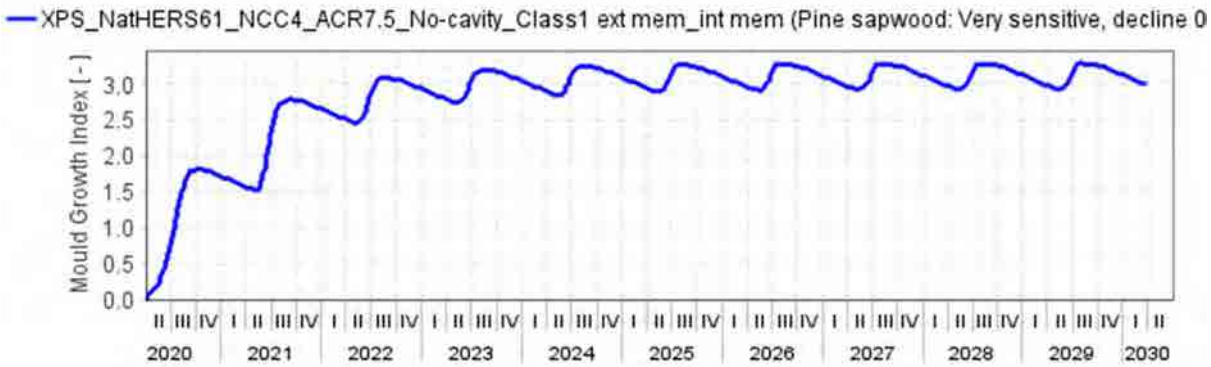

Figure 67 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

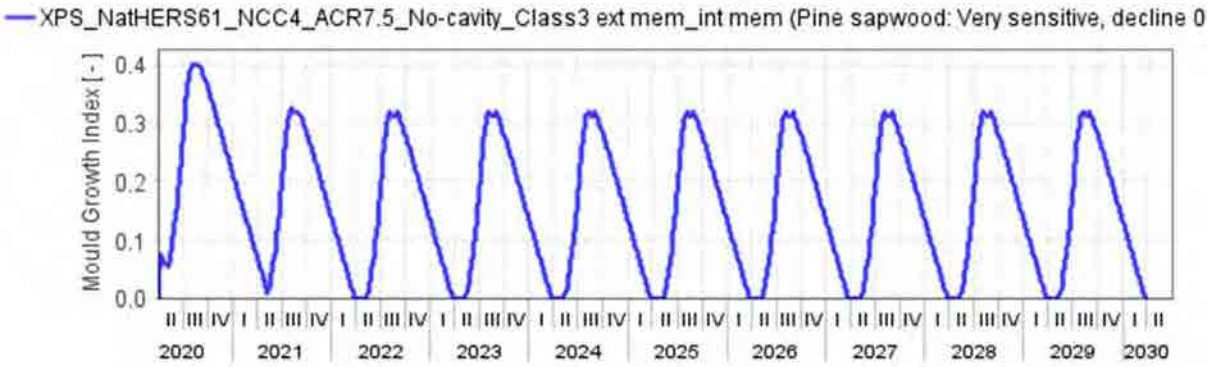

Figure 68 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

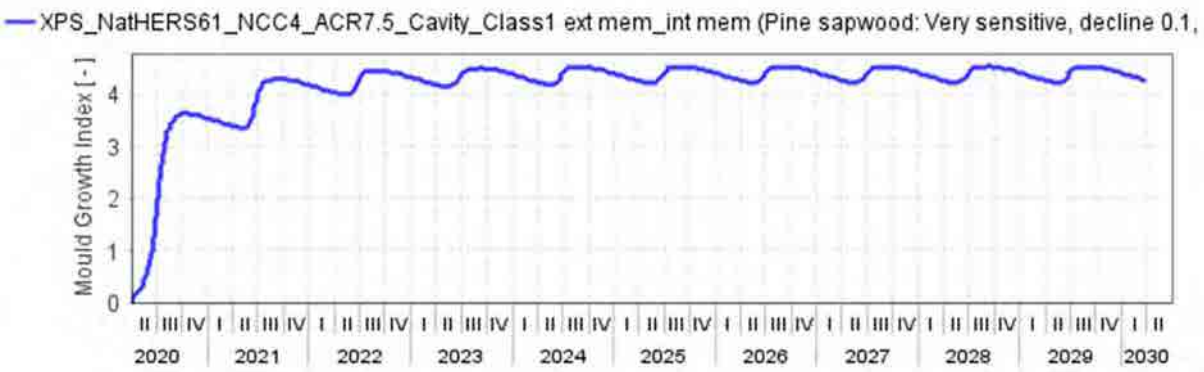

Figure 69 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

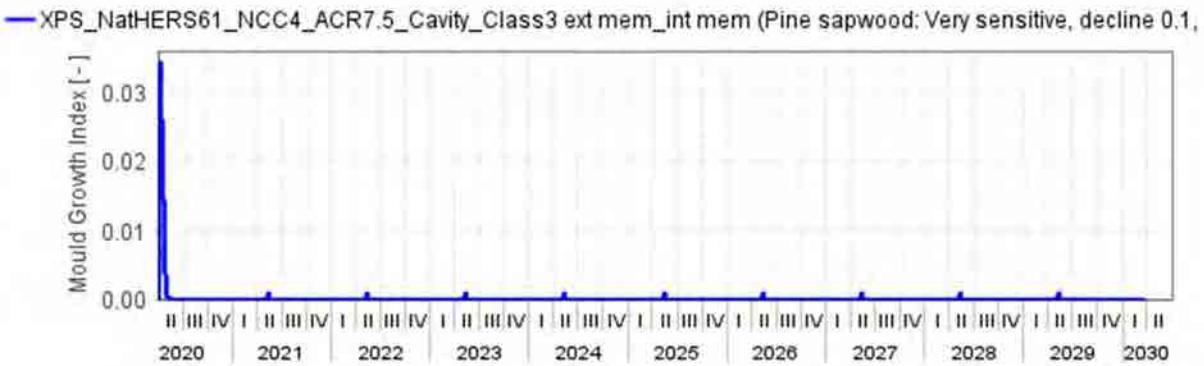

Figure 70 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

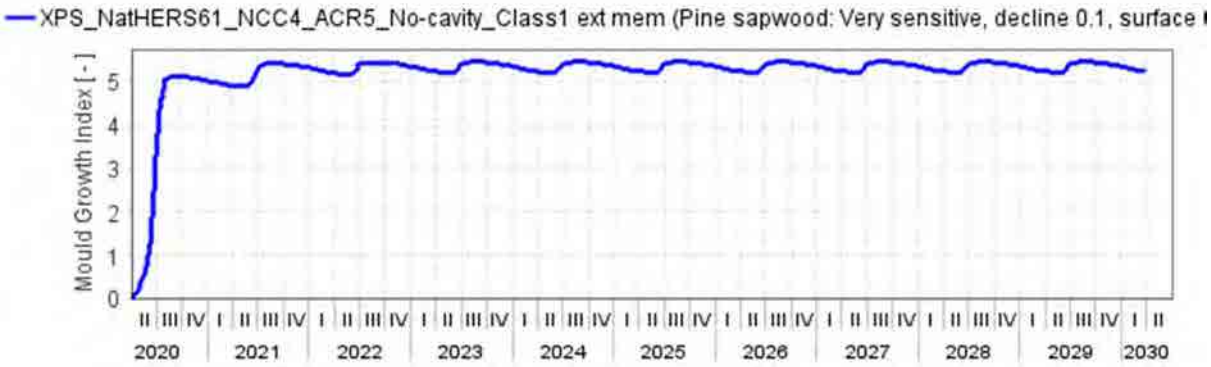

Figure 71: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

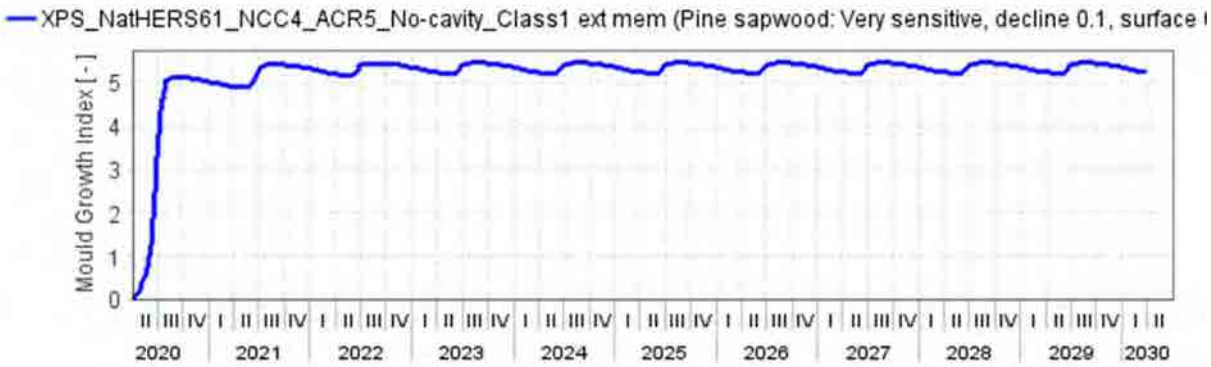

Figure 72: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

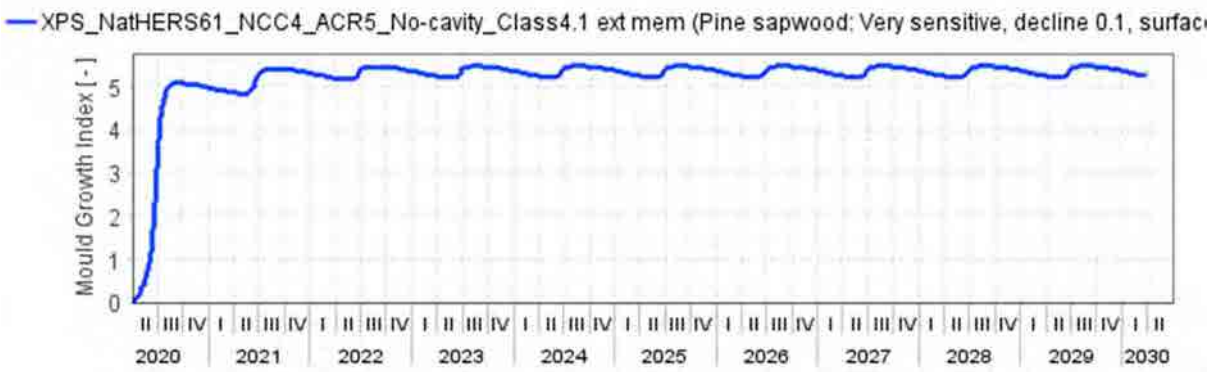

Figure 73: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

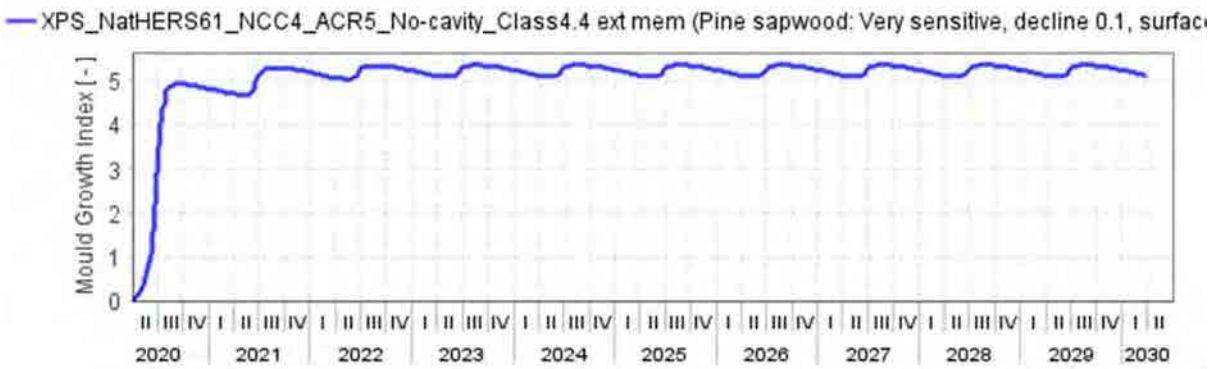

Figure 74 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

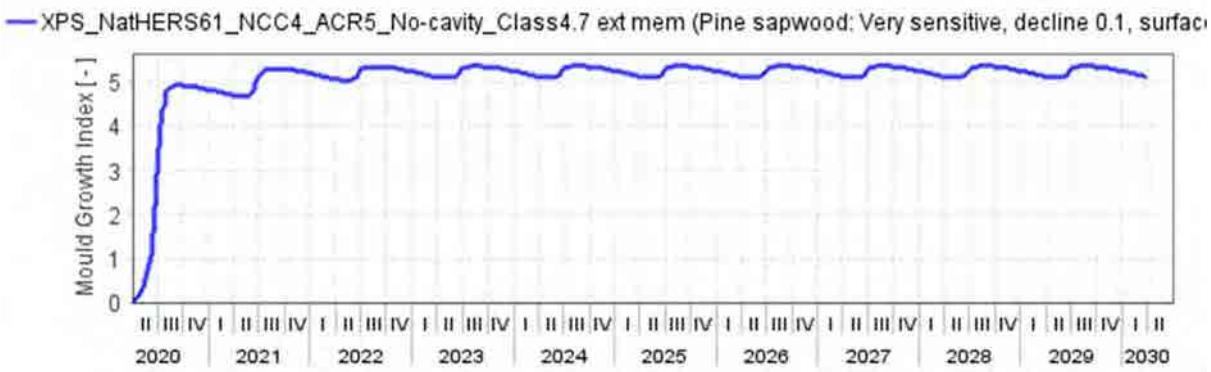

Figure 75: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

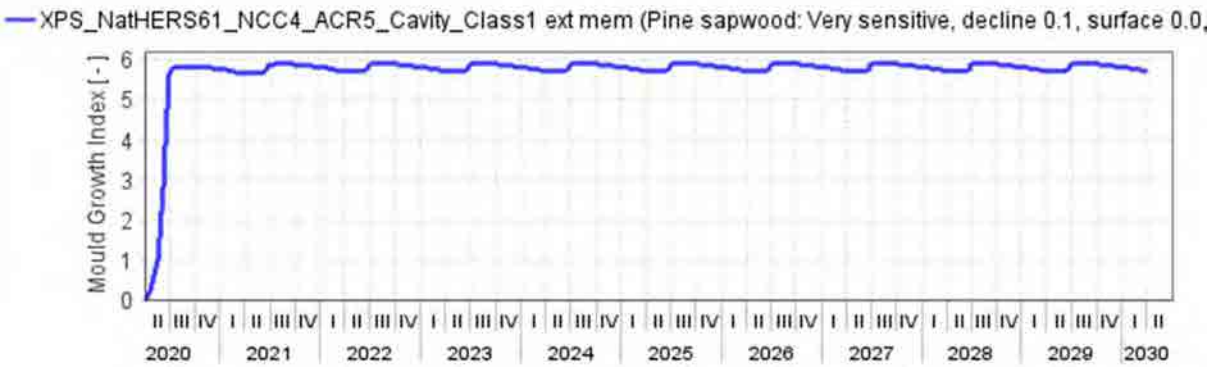

Figure 76: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

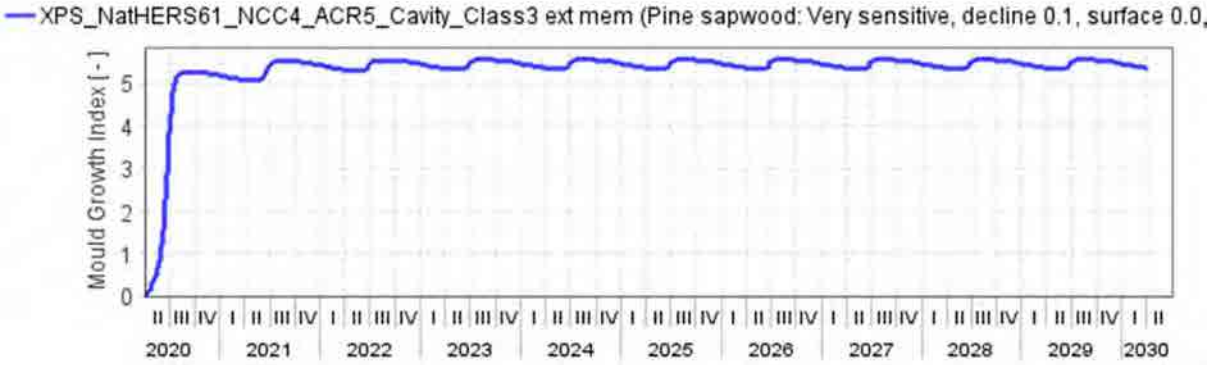

Figure 77: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

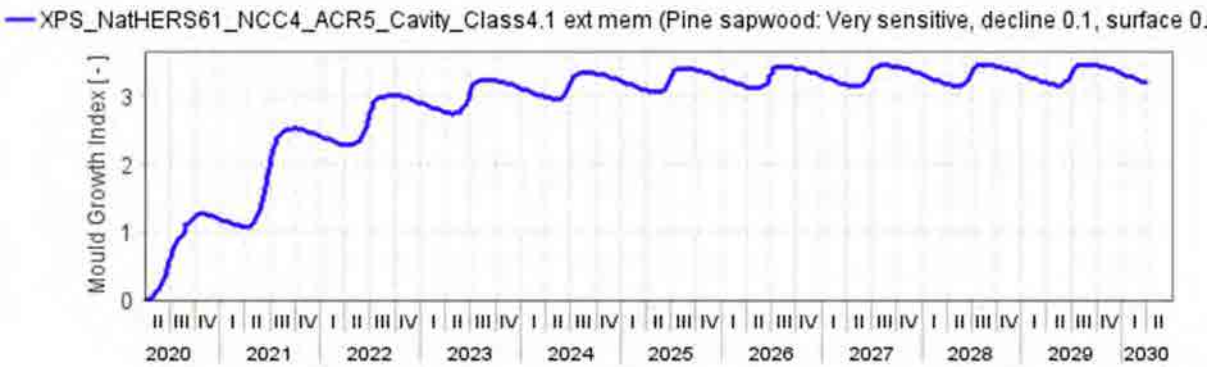

Figure 78: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

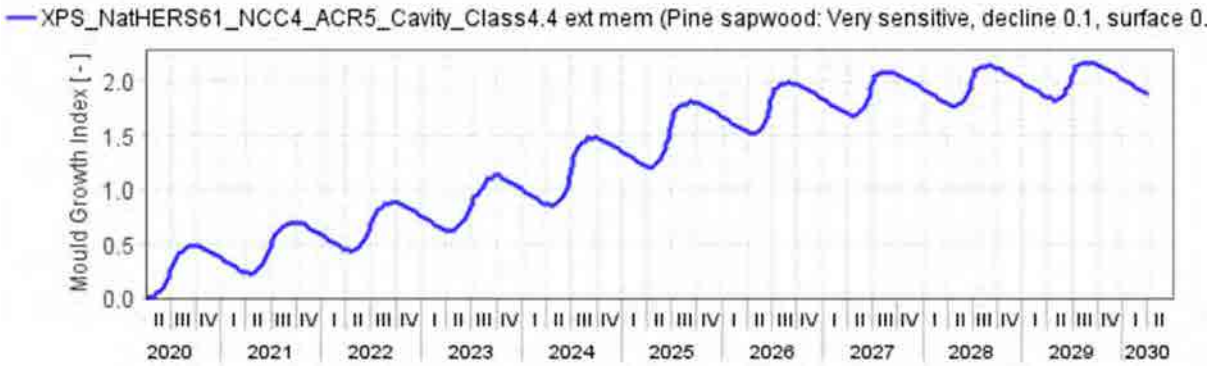

Figure 79 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

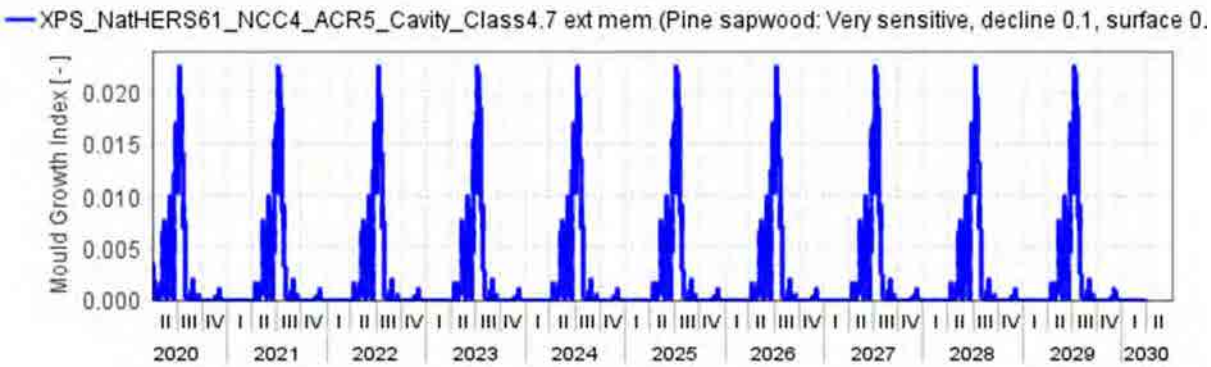

Figure 80: XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

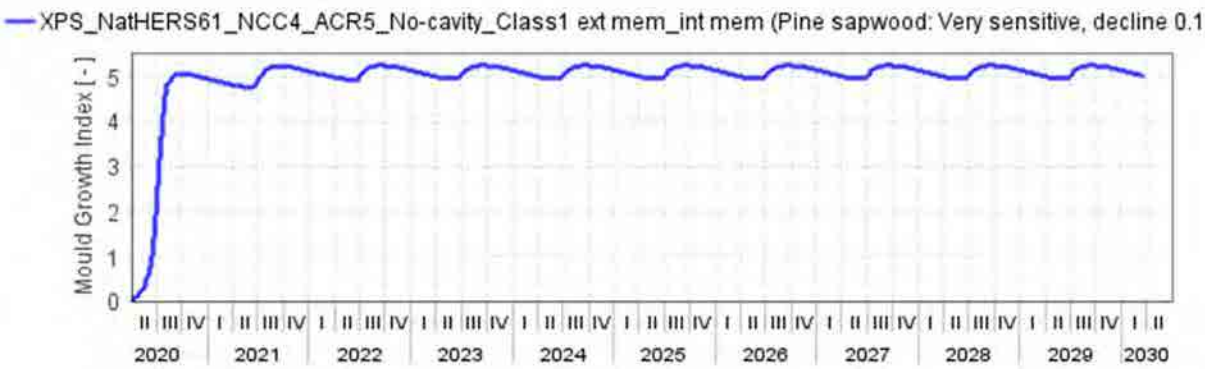

Figure 81 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

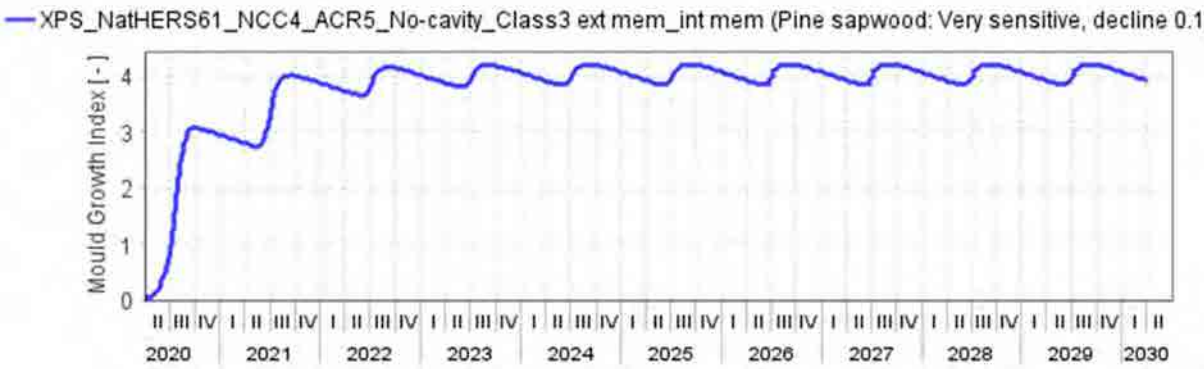

Figure 82 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

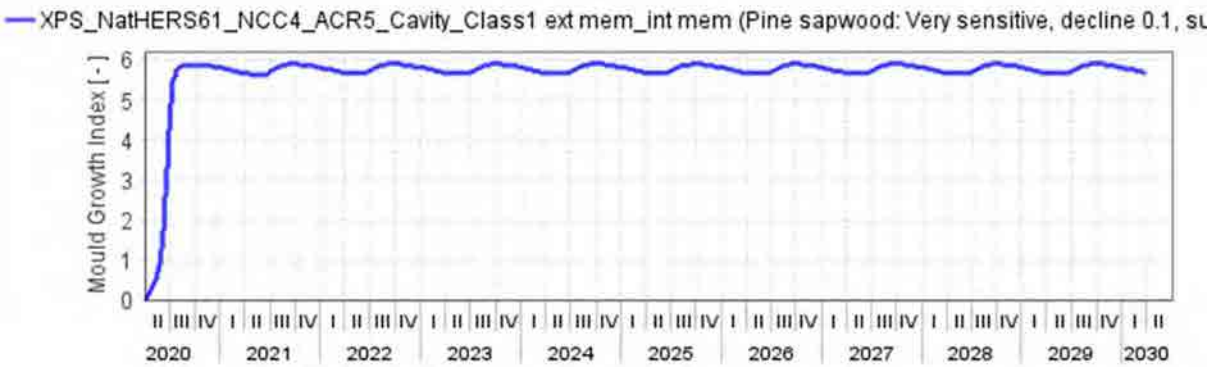

Figure 83 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

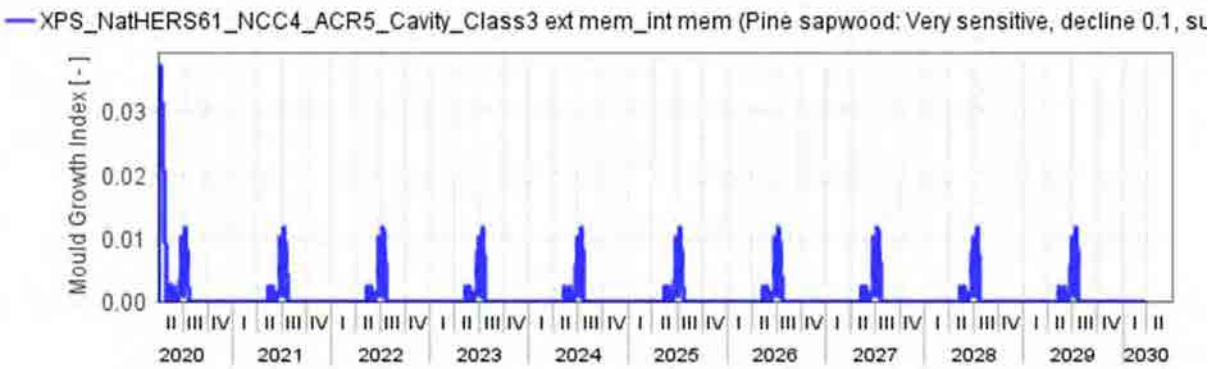

Figure 84 XPS NatHERS CZ 61 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 66, NCC CZ4: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

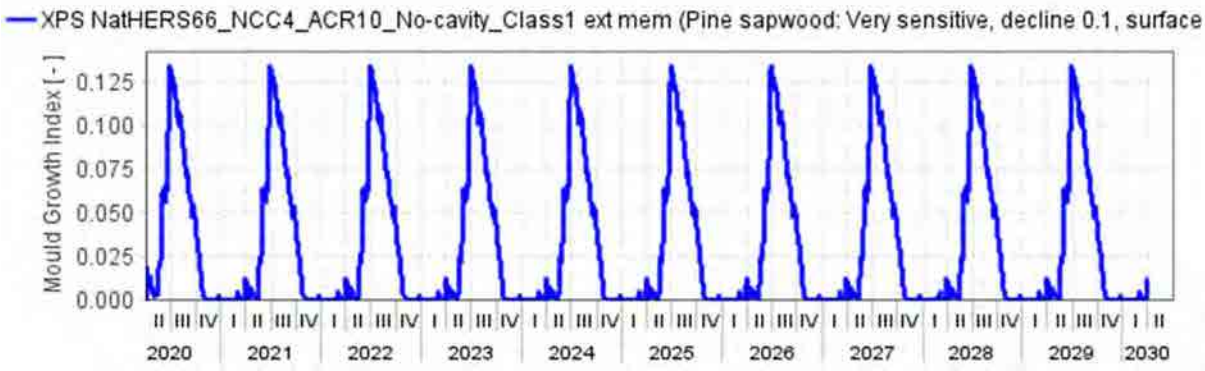

Figure 85: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

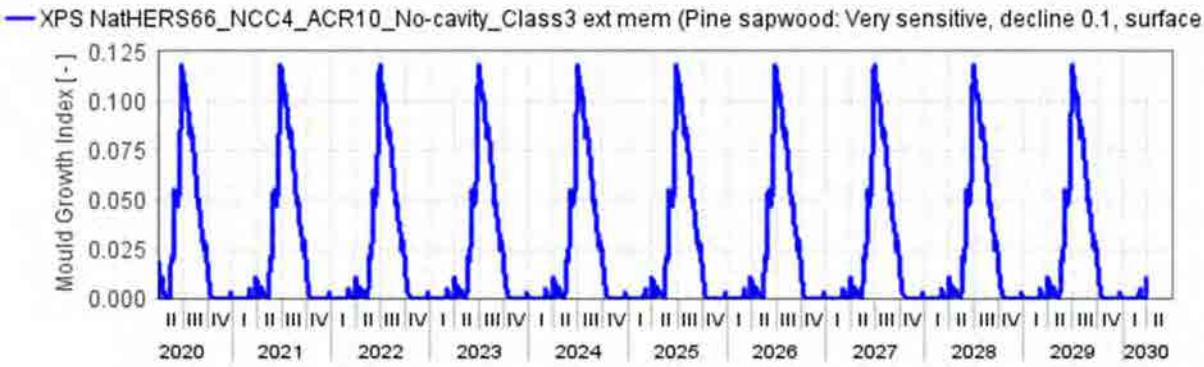

Figure 86: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

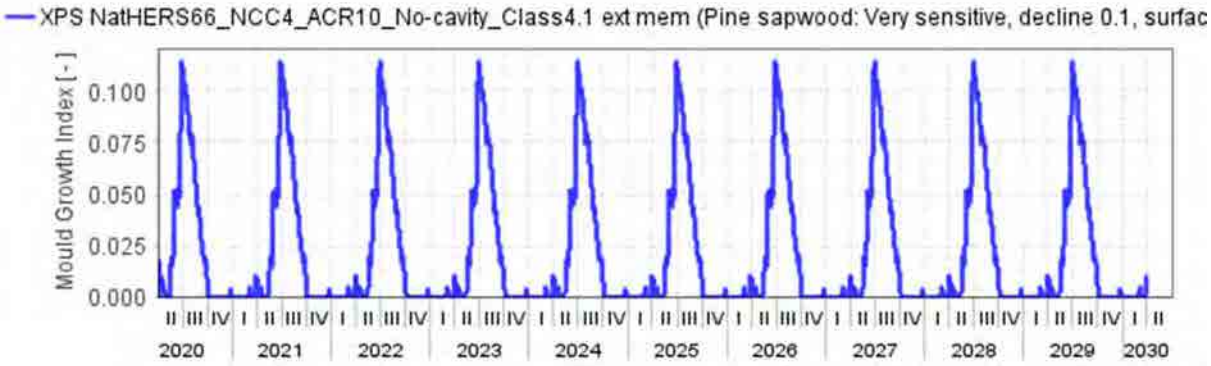

Figure 87: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

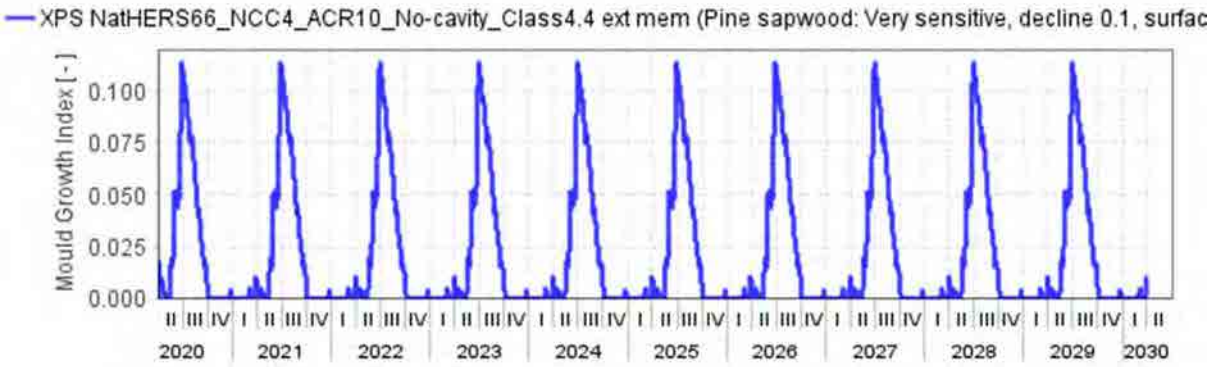

Figure 88 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

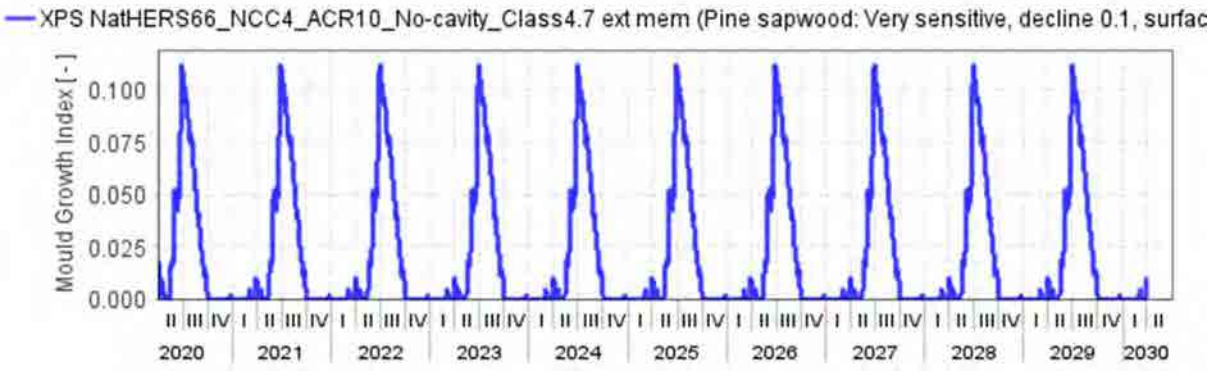

Figure 89: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

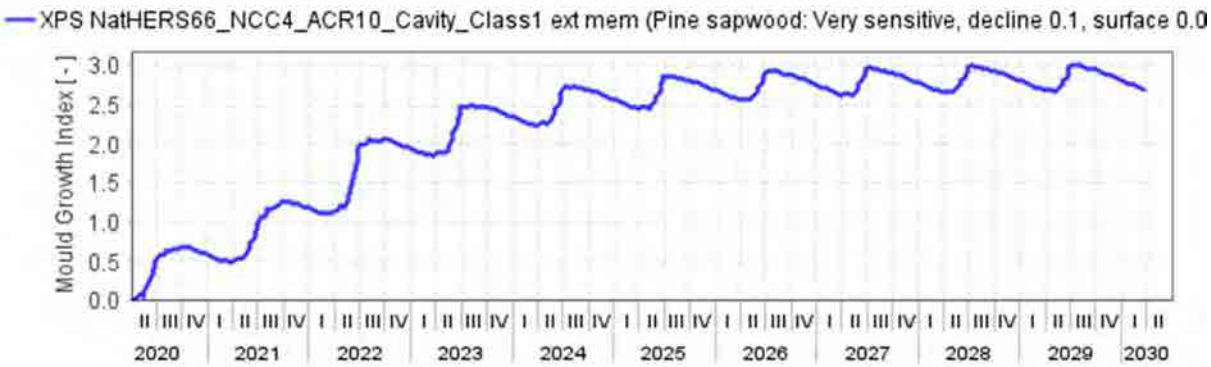

Figure 90: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

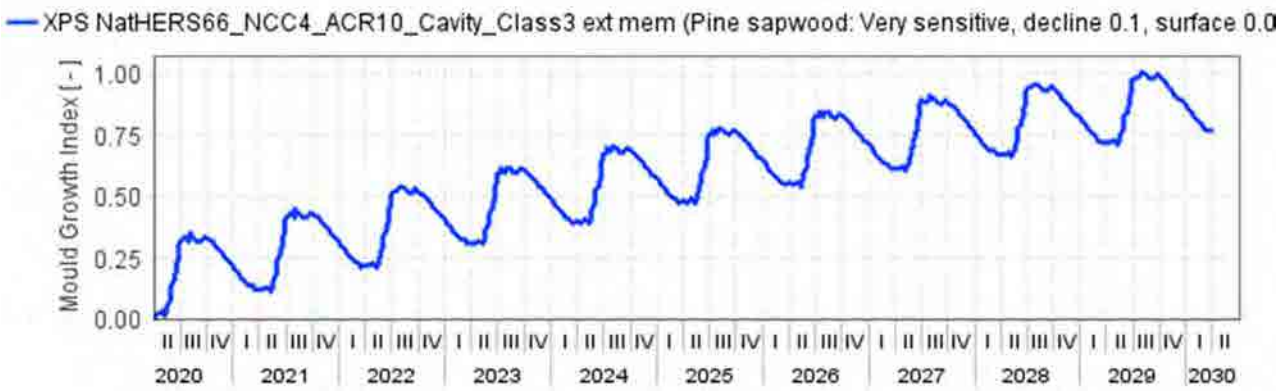

Figure 91: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

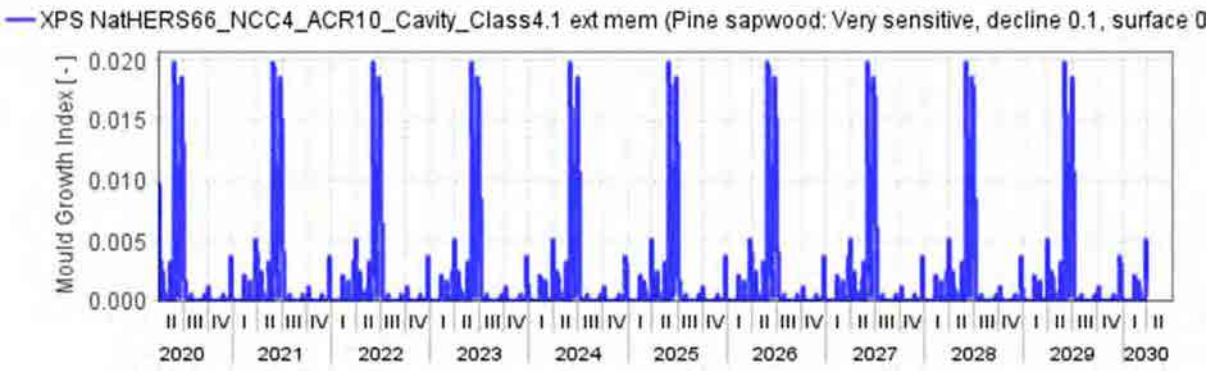

Figure 92: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

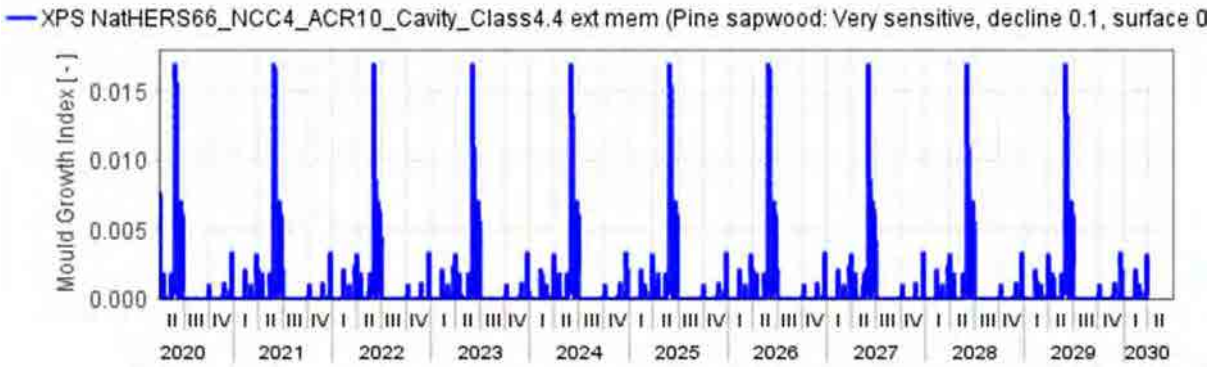

Figure 93 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

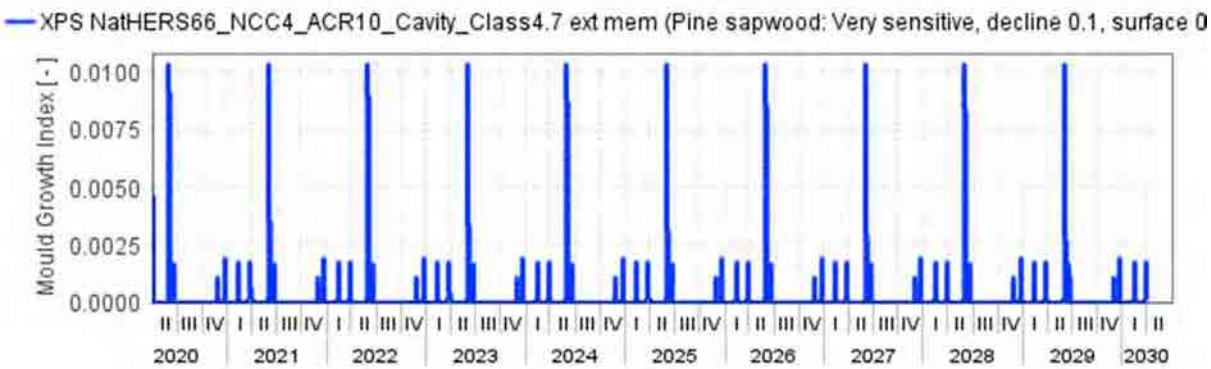

Figure 94: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

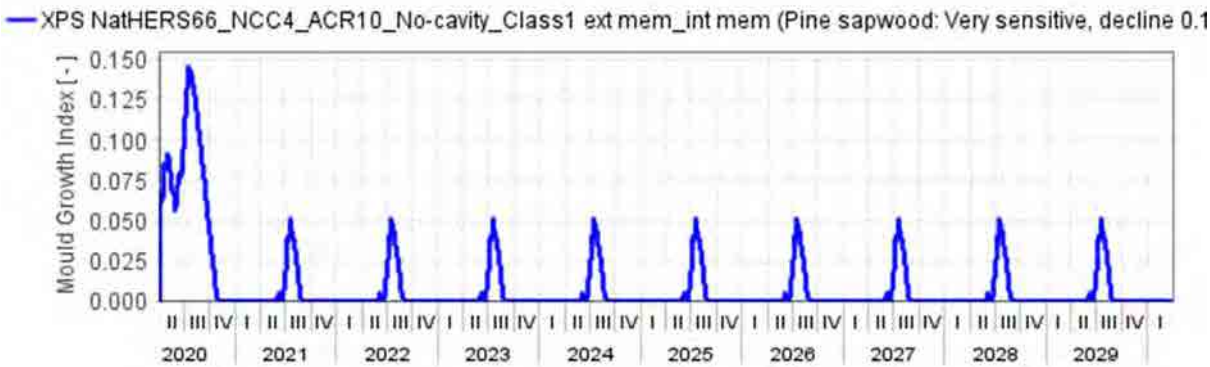

Figure 95 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

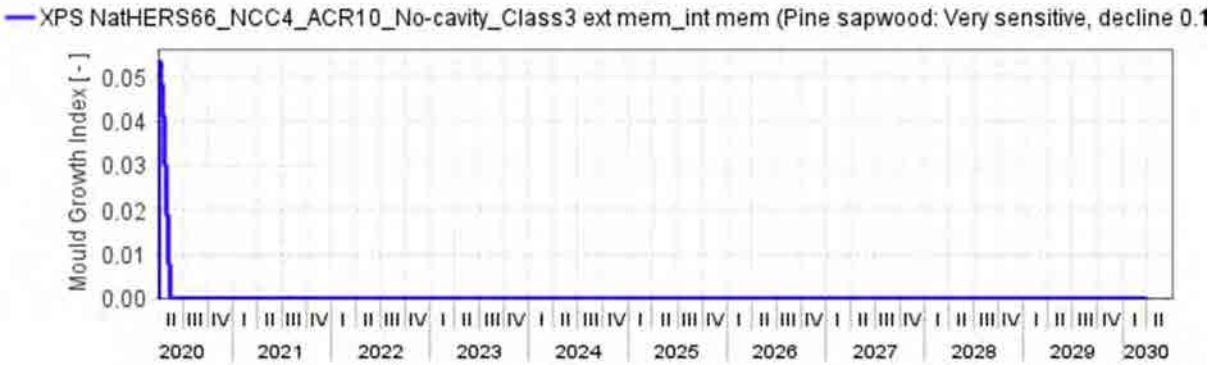

Figure 96 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

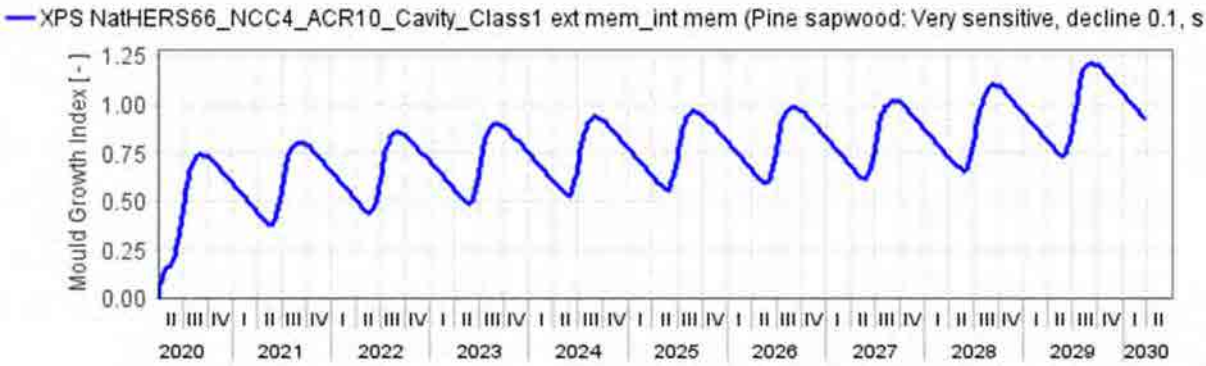

Figure 97 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

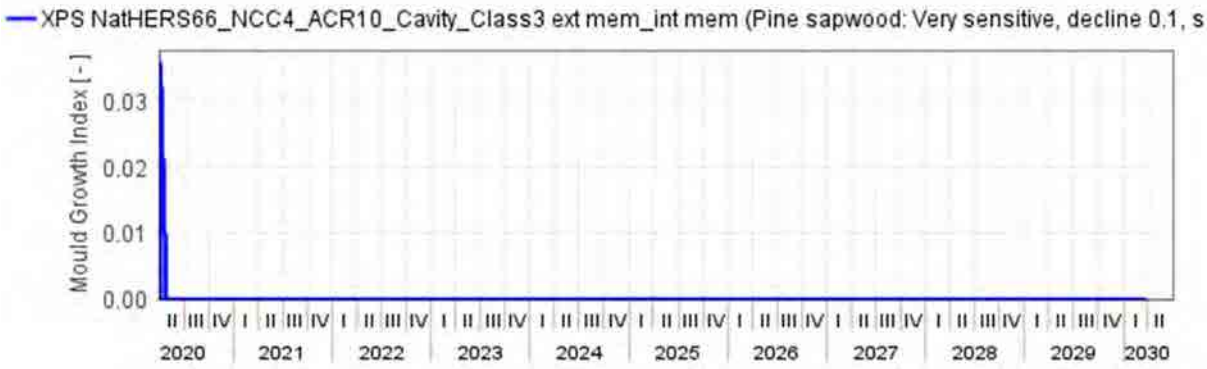

Figure 98 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5- XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

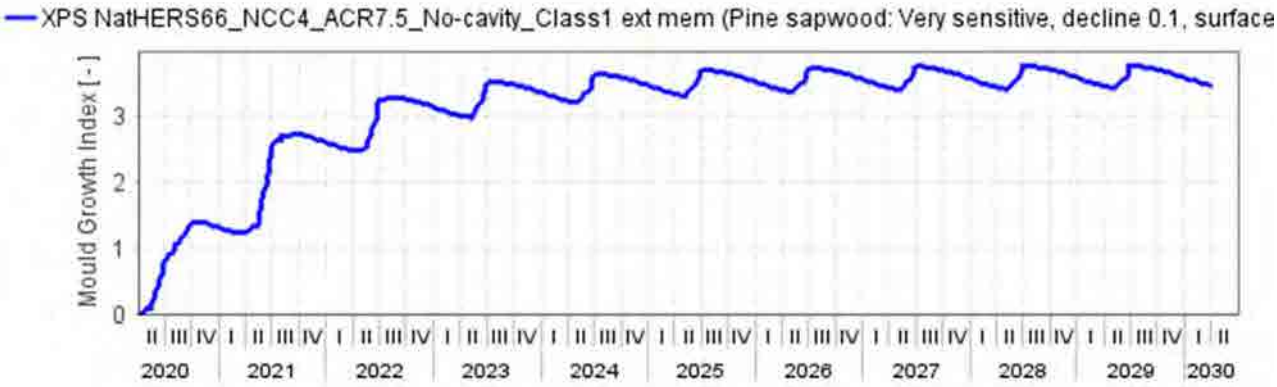

Figure 99: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

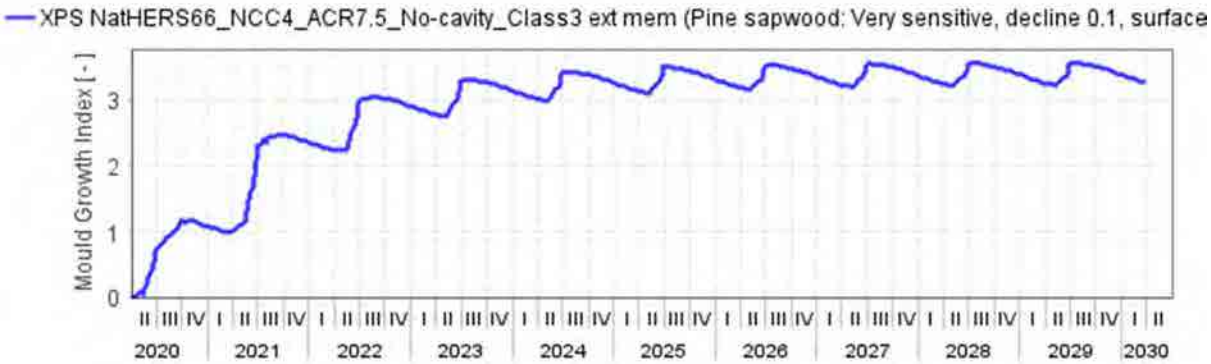

Figure 100: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

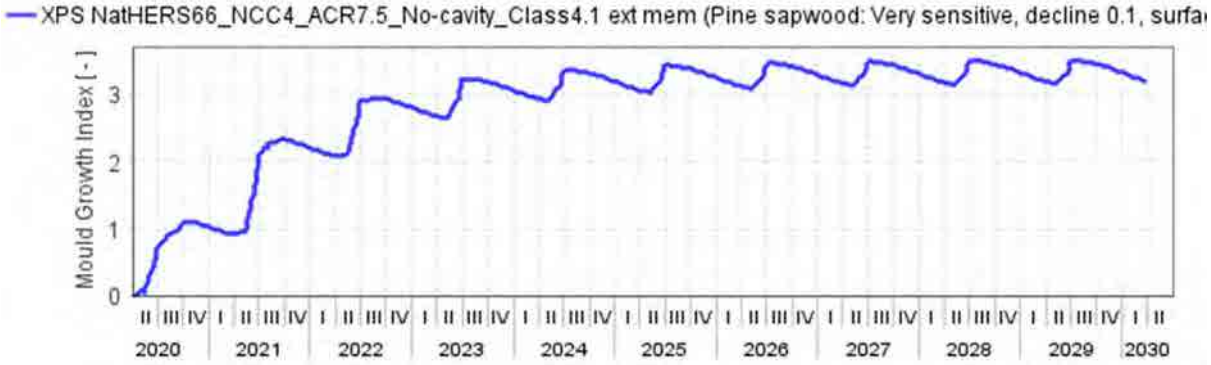

Figure 101: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

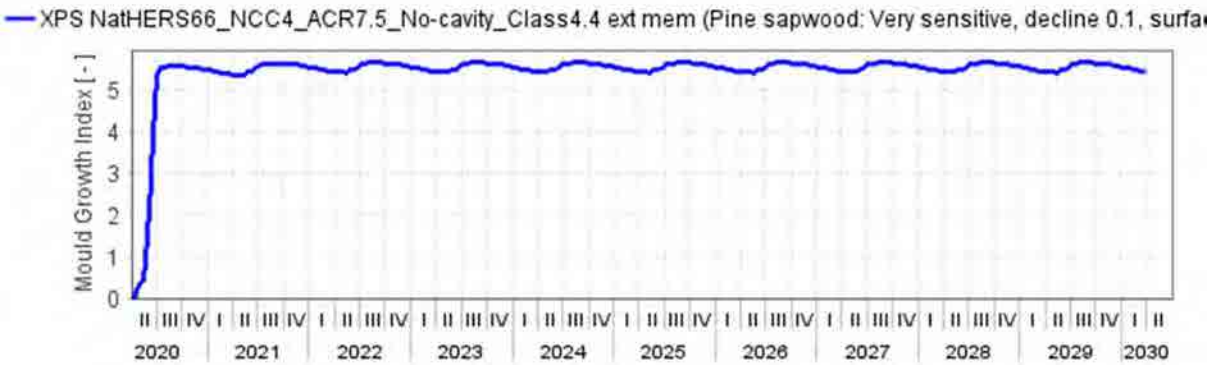

Figure 102 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

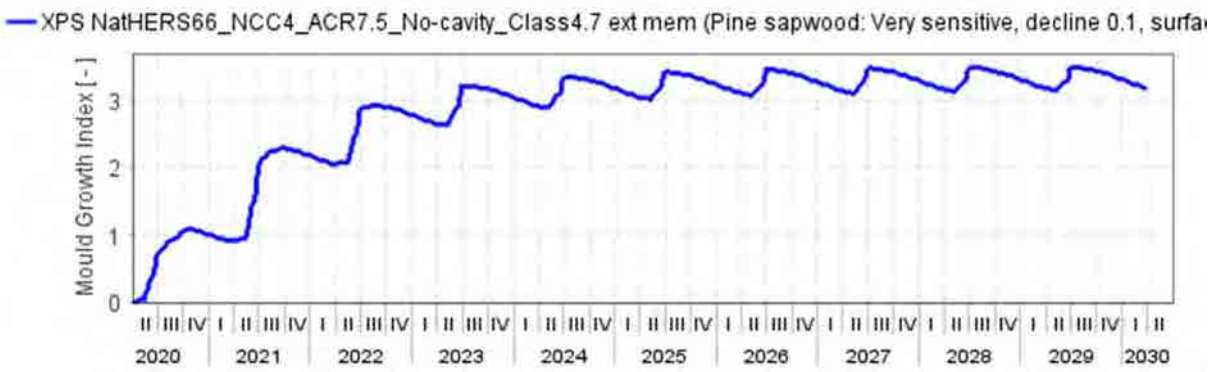

Figure 103: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

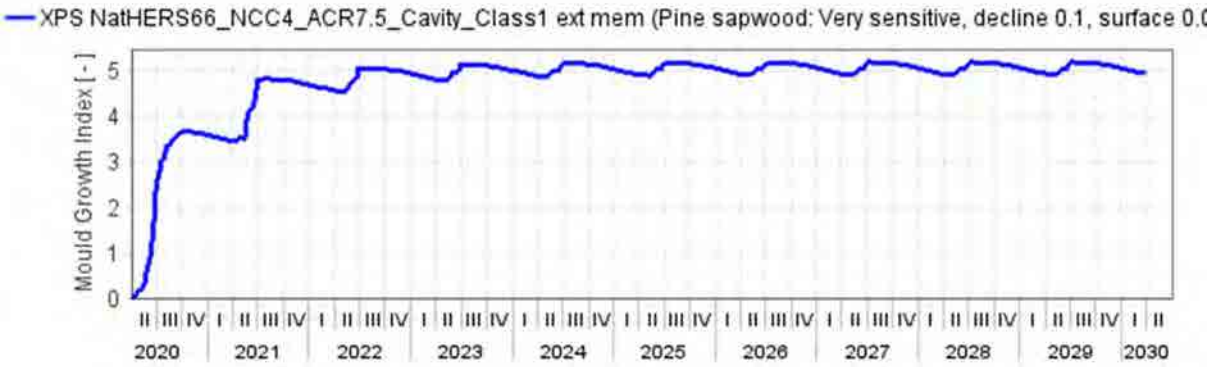

Figure 104: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 105: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

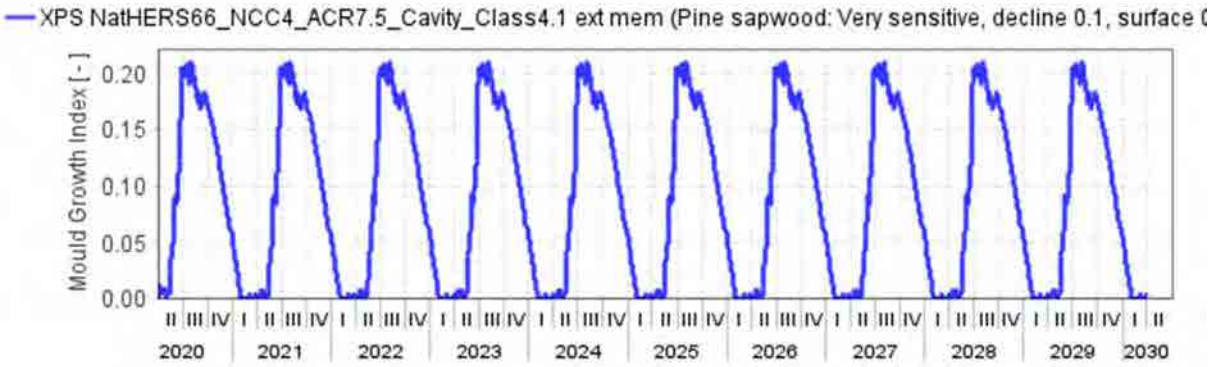

Figure 106: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

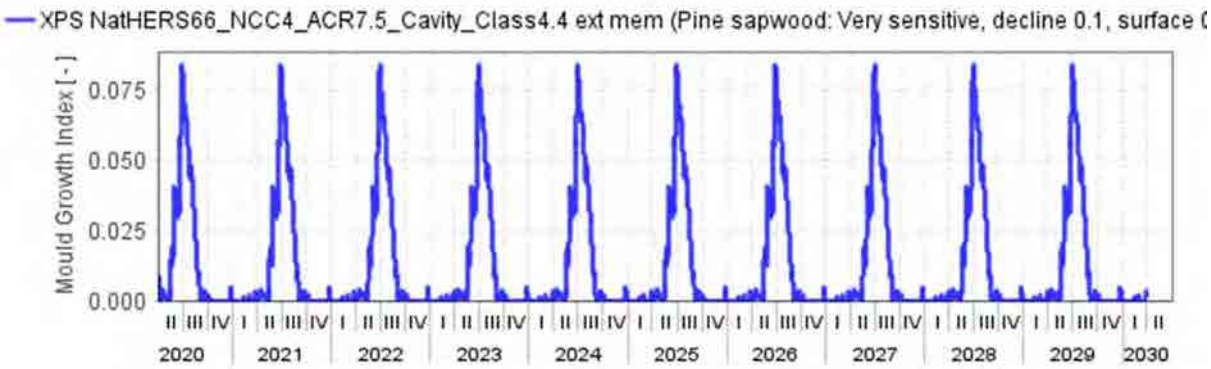

Figure 107 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

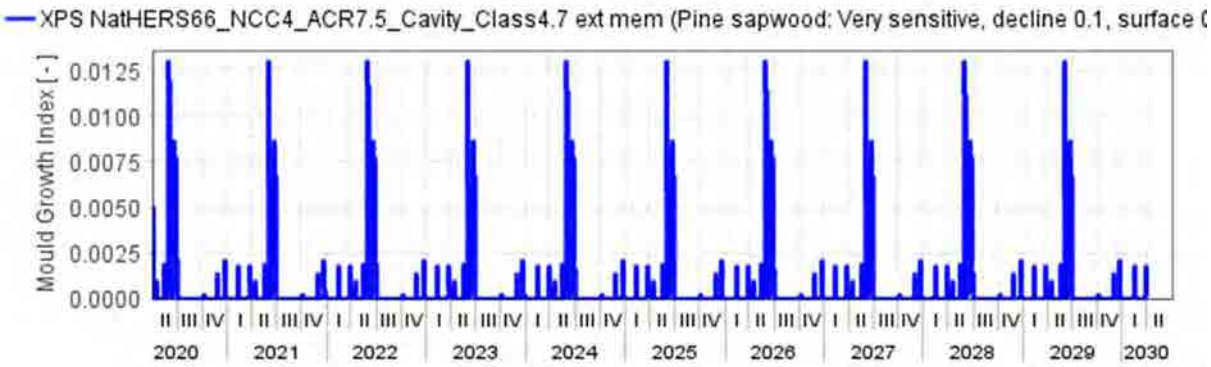

Figure 108: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 109 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

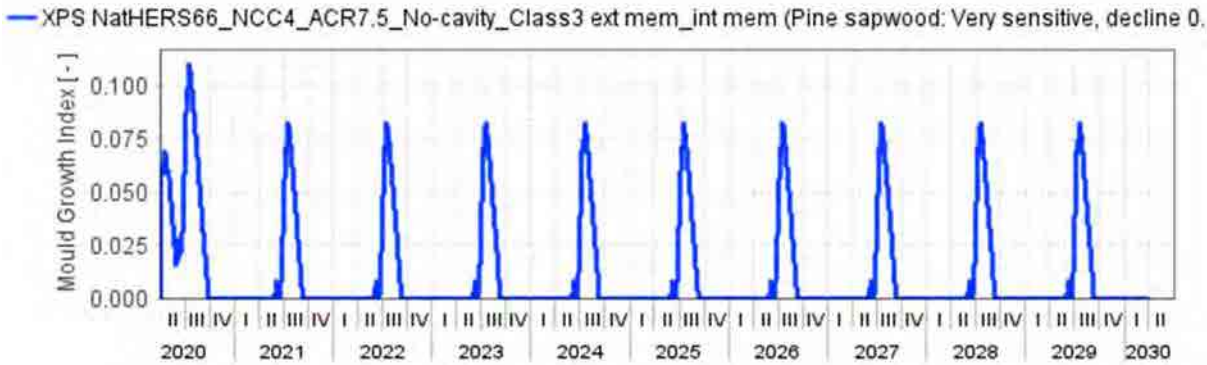

Figure 110 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 111 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

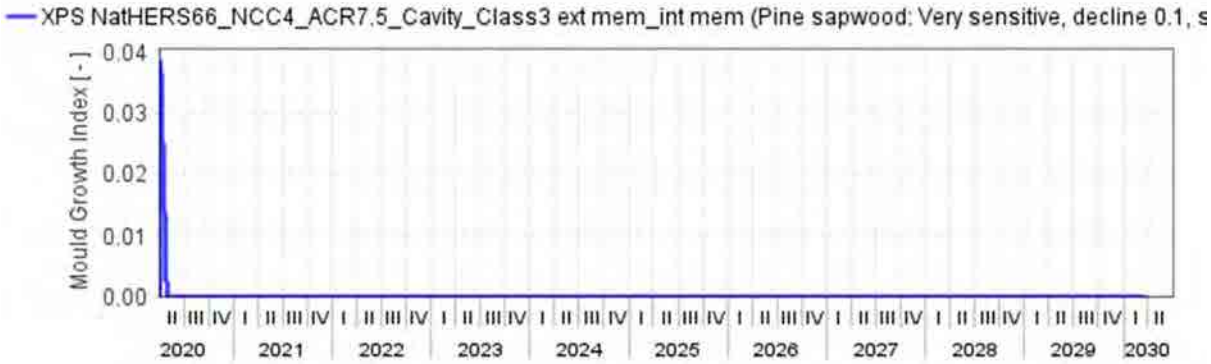

Figure 112 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 1 – 200000

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

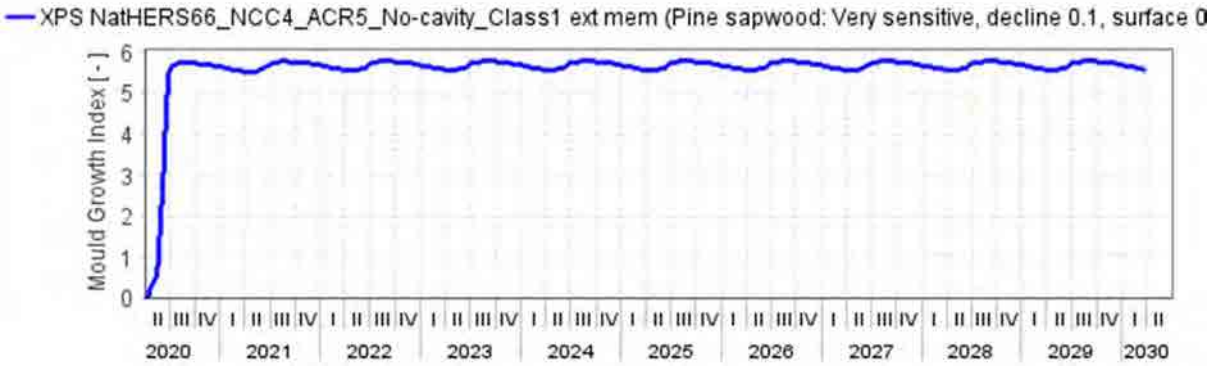

Figure 113: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

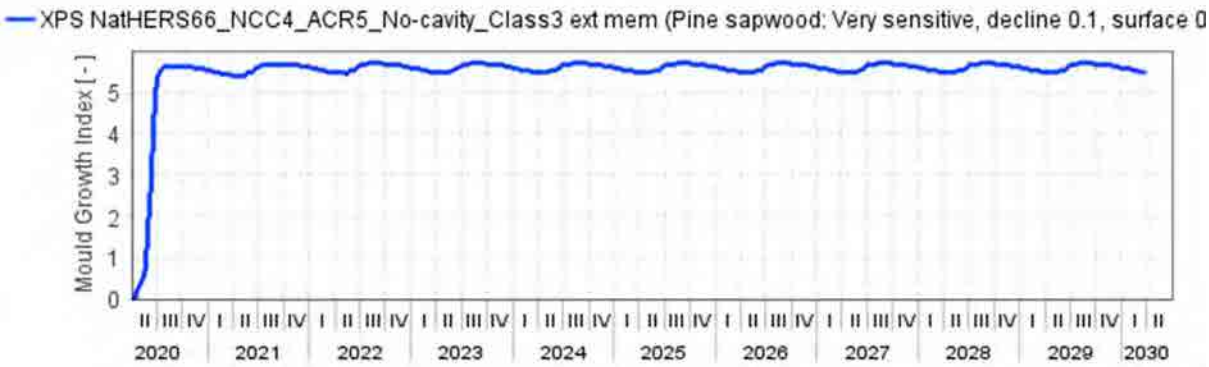

Figure 114: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

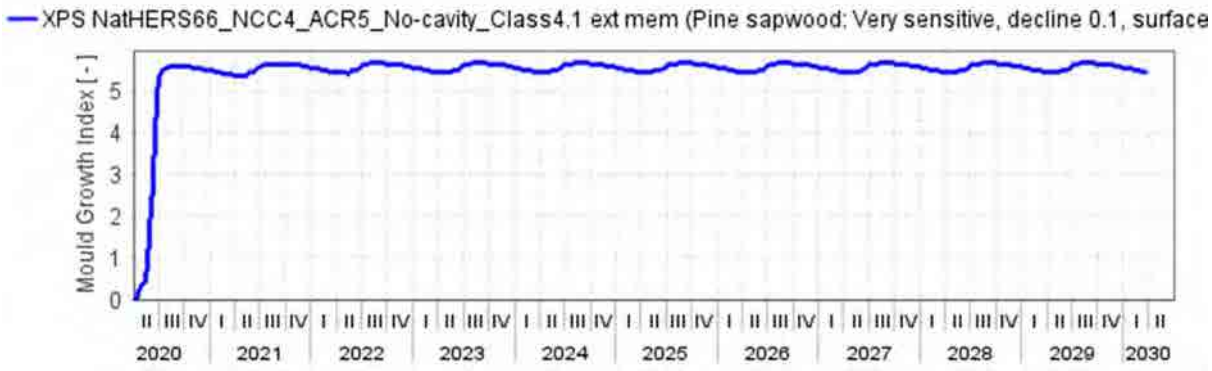

Figure 115: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

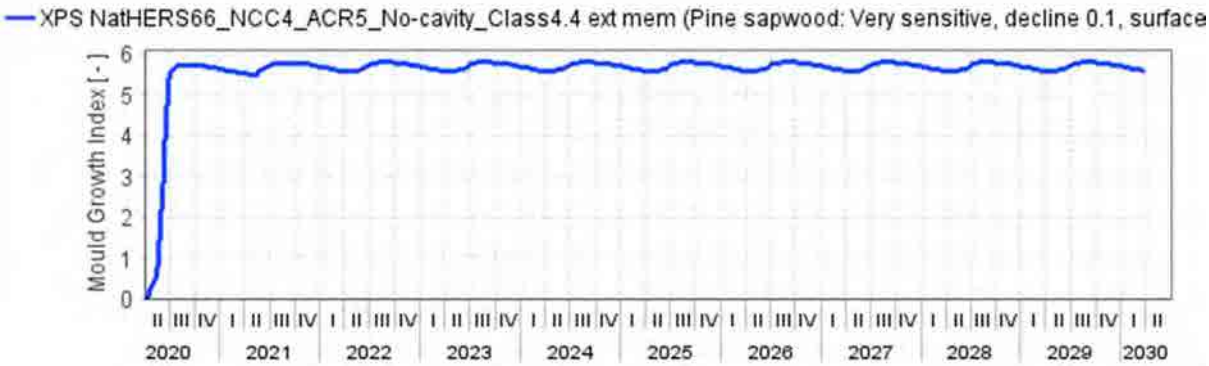

Figure 116 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

5. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

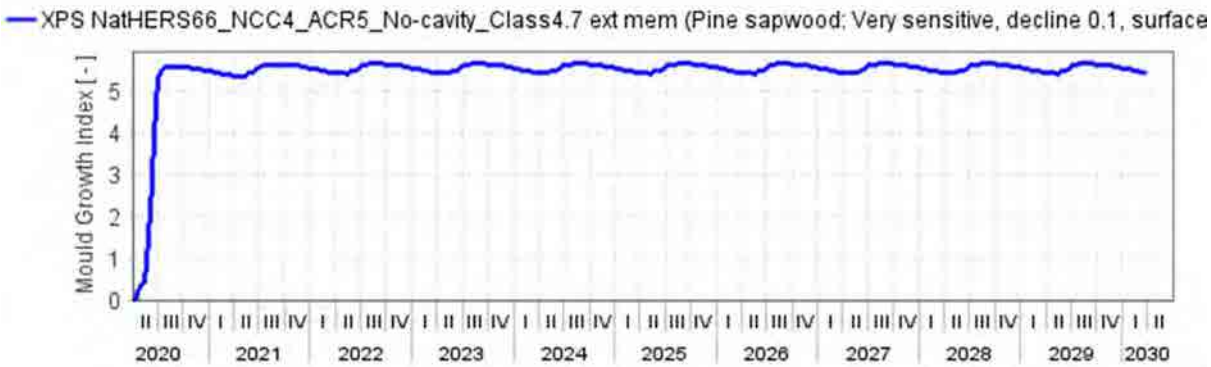

Figure 117: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

6. With cavity – Exterior Membrane Class 1 – 200000

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

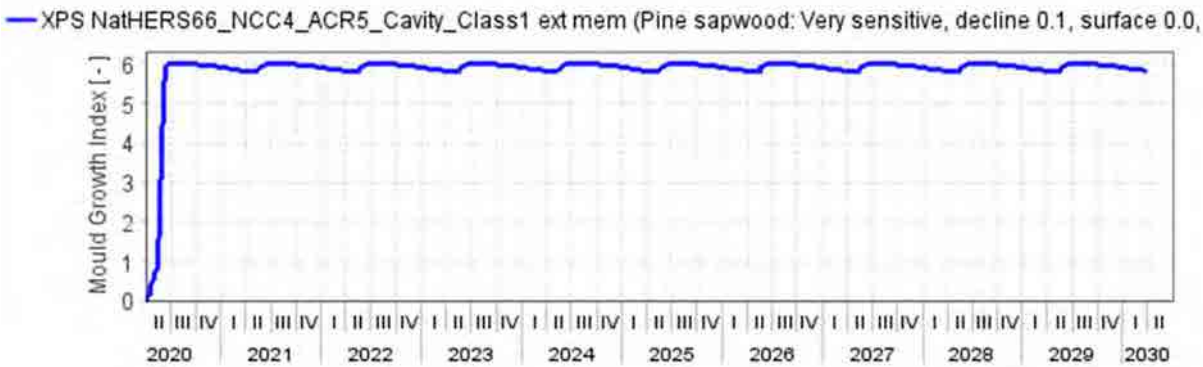

Figure 118: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5
With Cavity – Ext. Memb. Class 1 – 200000 – Mould growth within insulated timber frame

7. With Cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

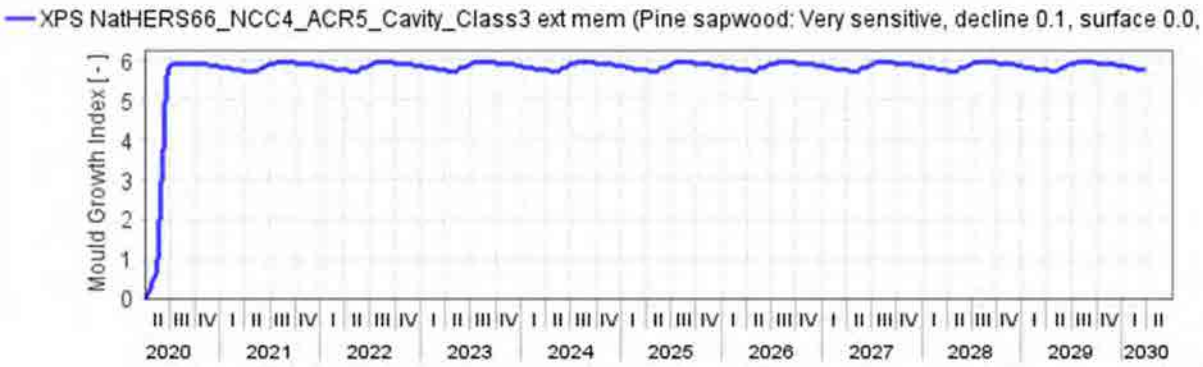

Figure 119: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

8. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

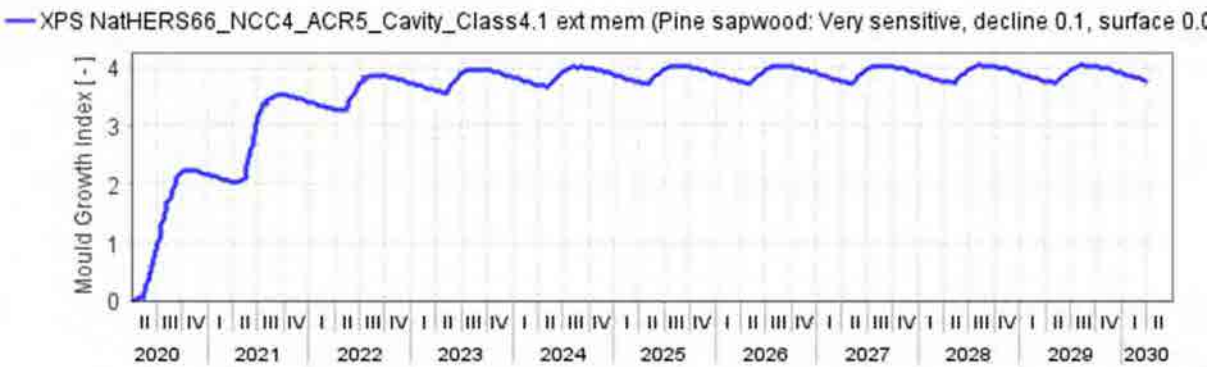

Figure 120: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

9. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
ould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

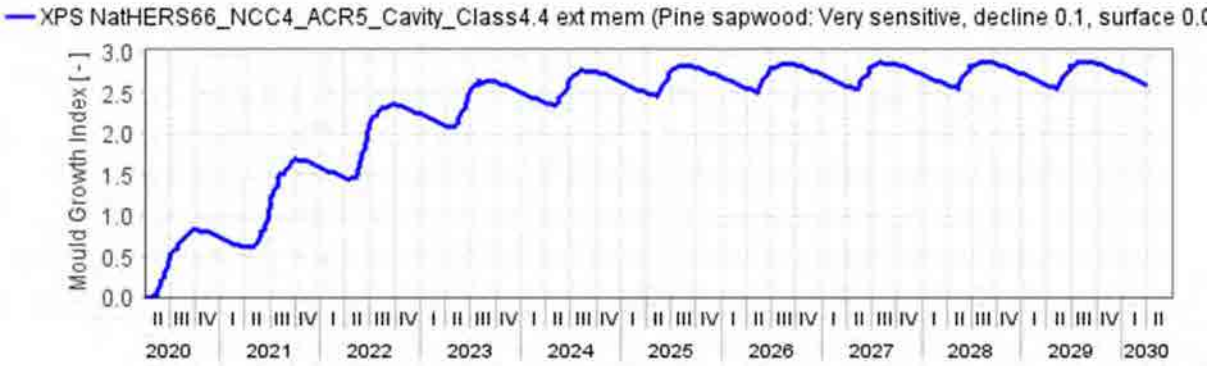

Figure 121 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

10. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

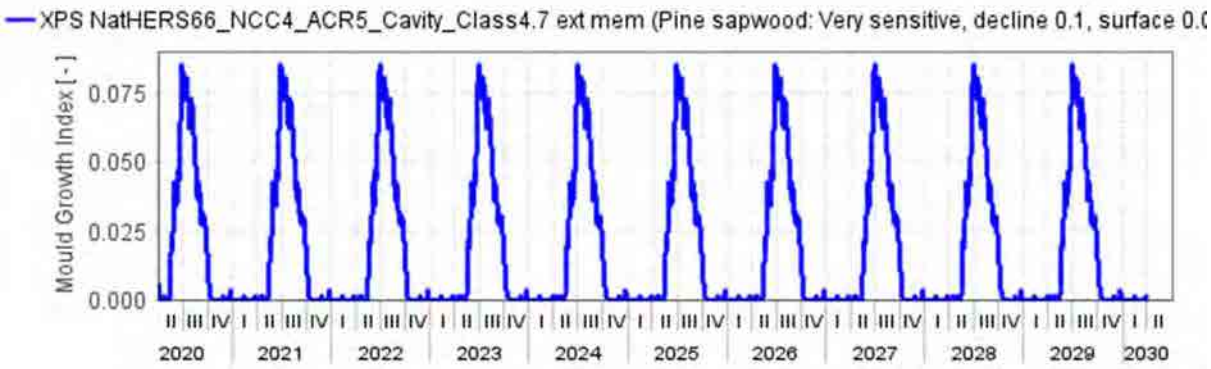

Figure 122: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

11. No cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

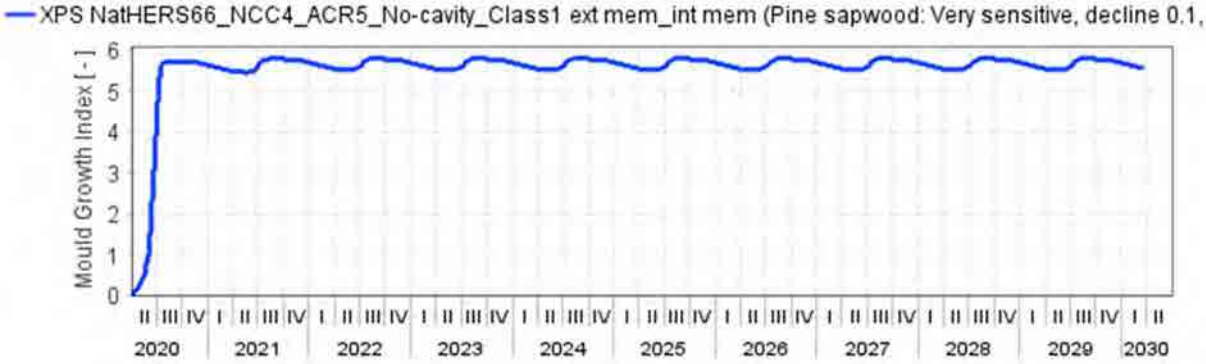

Figure 123 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

12. No cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

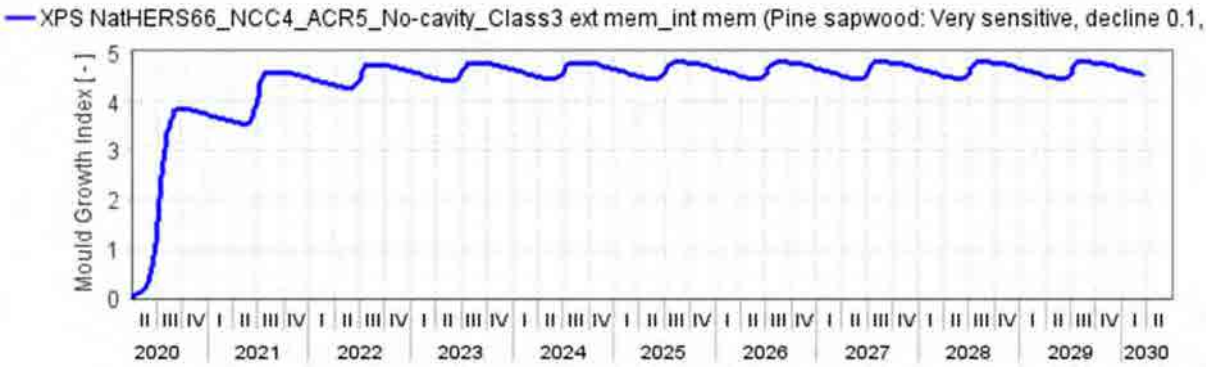

Figure 124 XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

13. With cavity – External Exterior Membrane Class 1- 200000 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

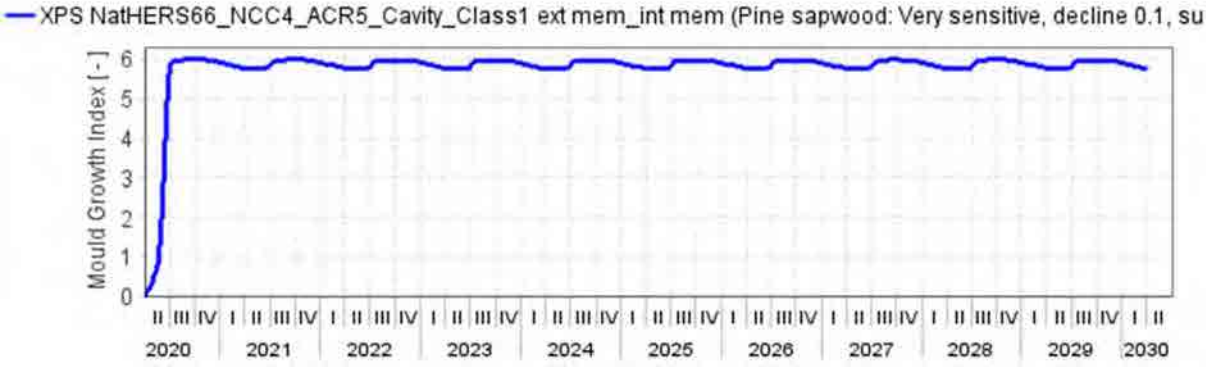

Figure 125: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 1- 200000 with Int. Memb. Mould growth within insulated timber frame

14. With cavity – External Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

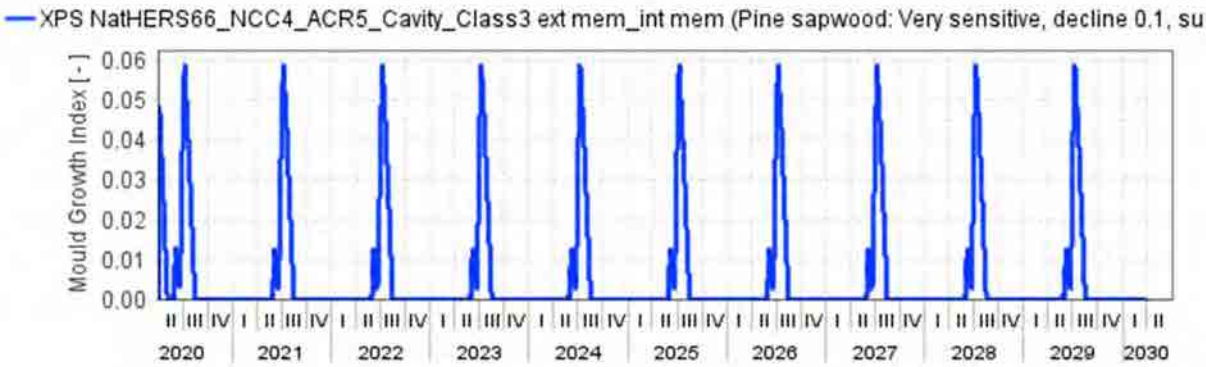

Figure 126: XPS NatHERS CZ 66 - NCC CZ 4 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. Mould growth within insulated timber frame

NCC CZ6

NatHERS CZ 21, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

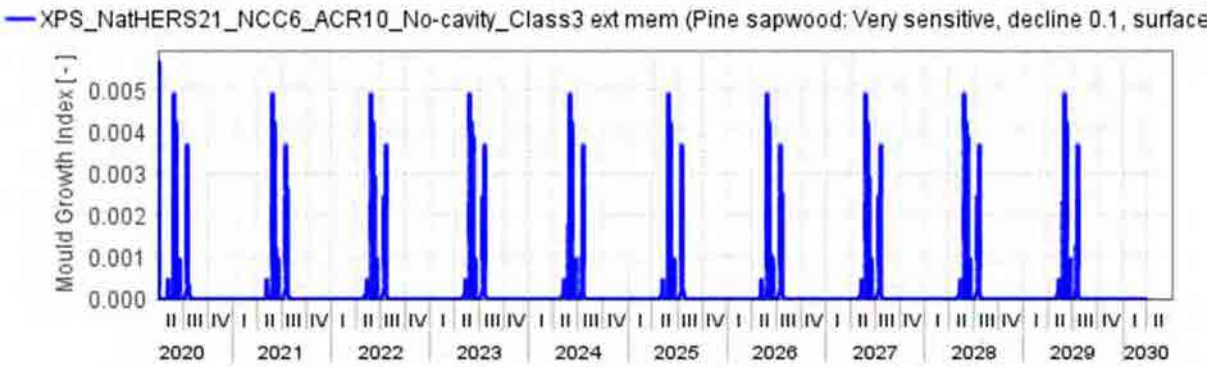

Figure 127: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

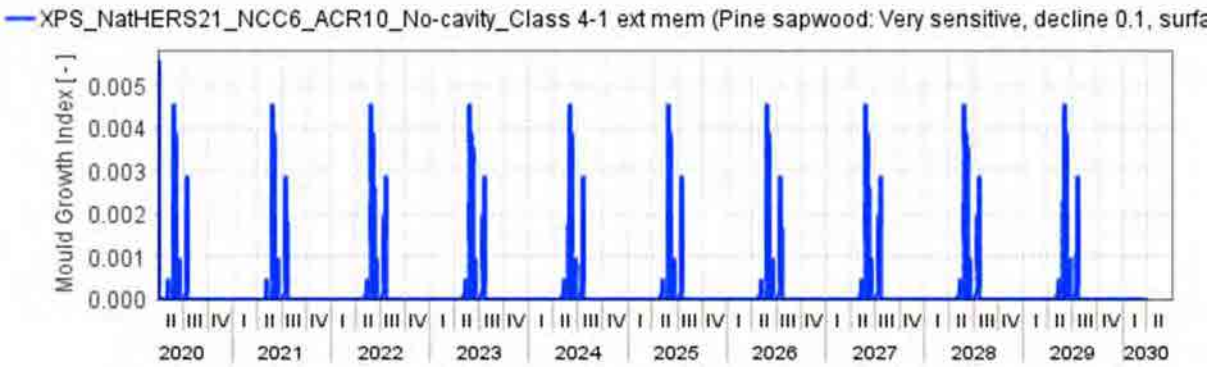

Figure 128: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

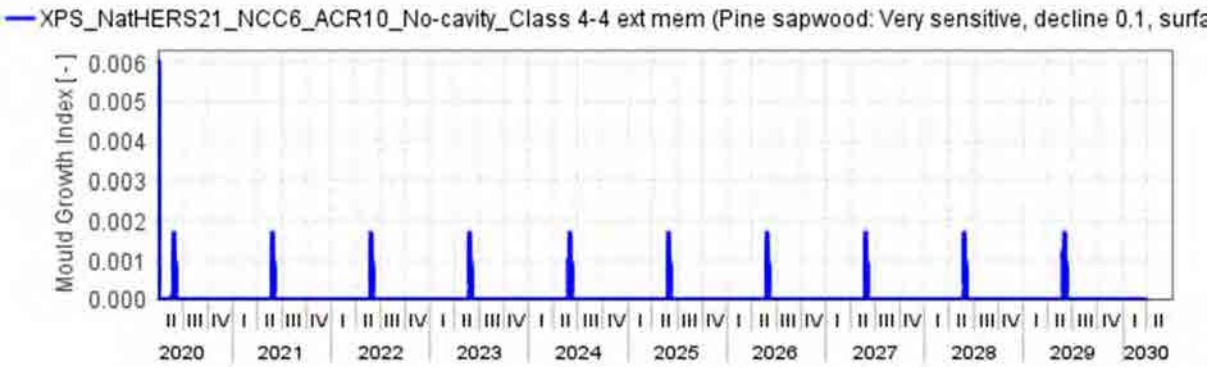

Figure 129 XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

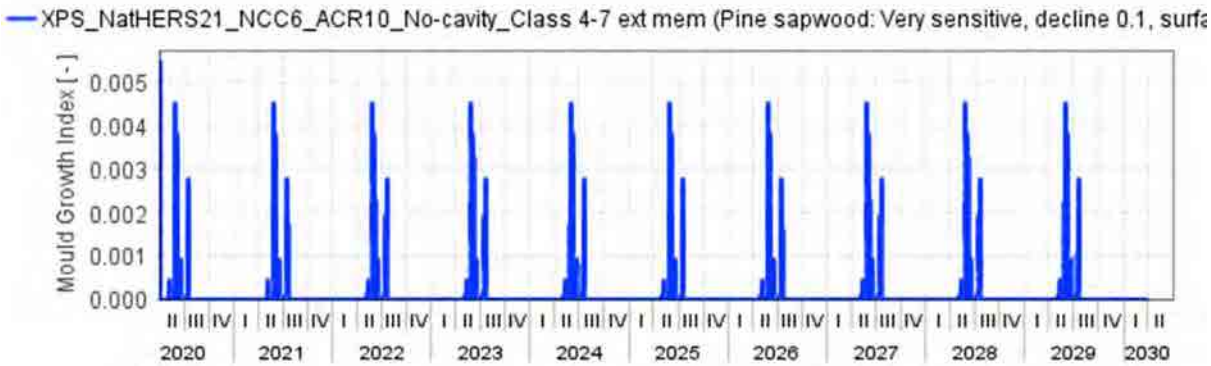

Figure 130: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

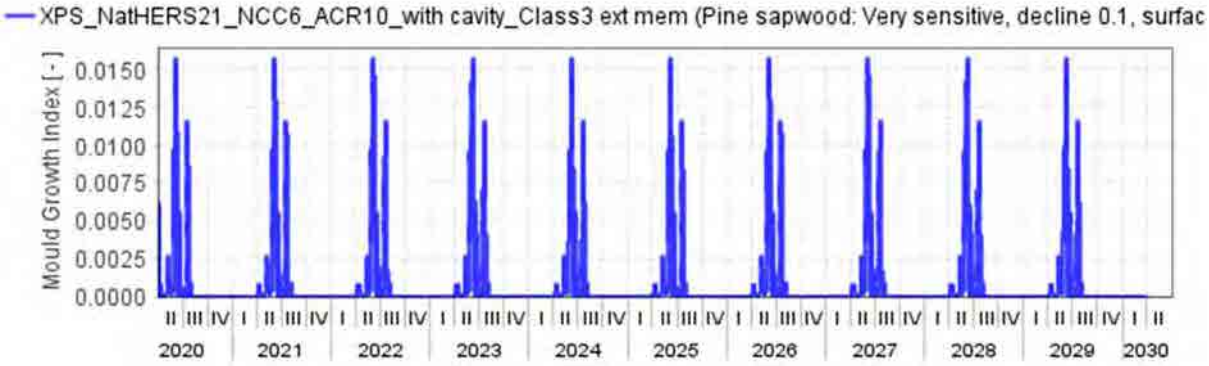

Figure 131: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

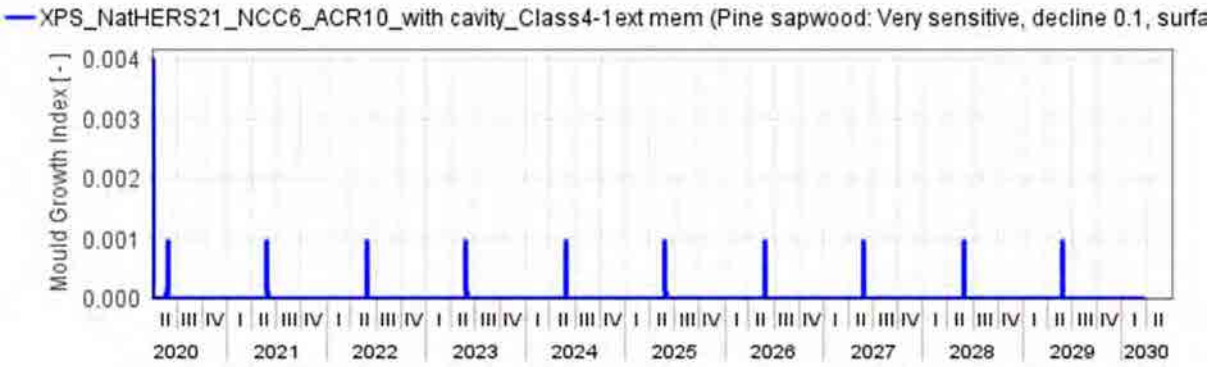

Figure 132: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

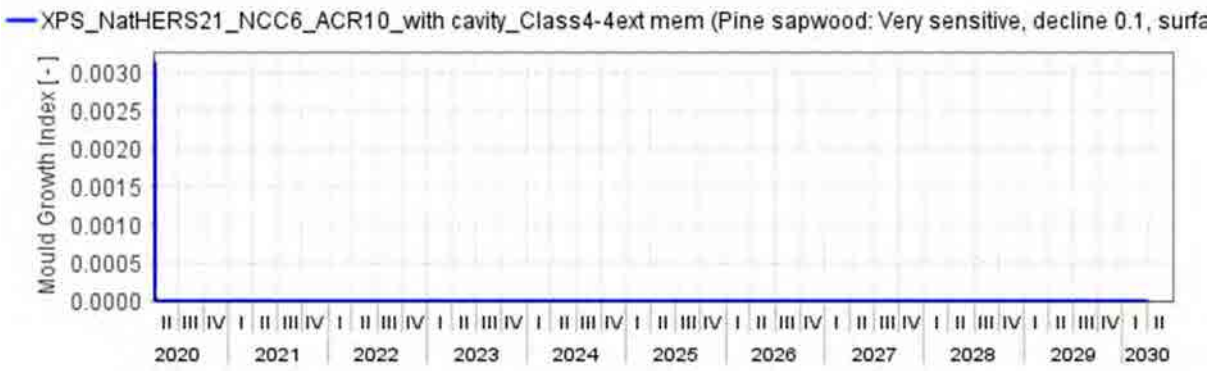

Figure 133: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

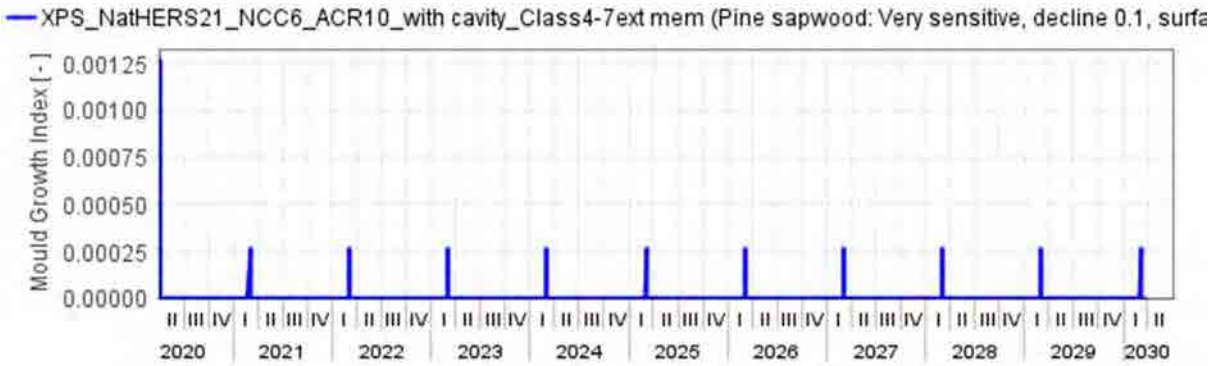

Figure 134: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

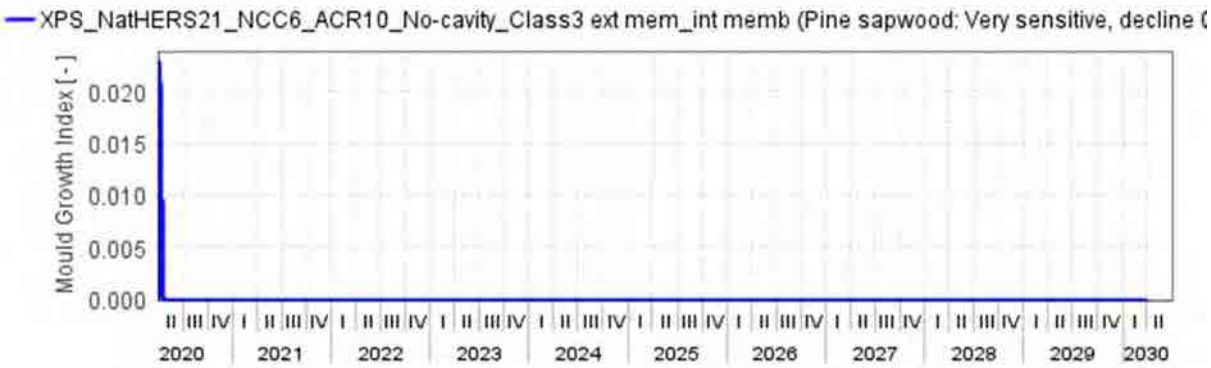

Figure 135: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

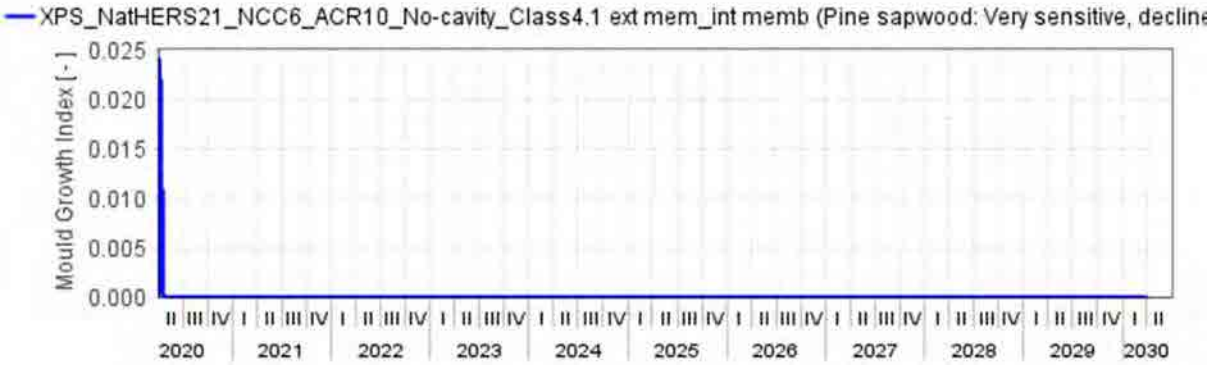

Figure 136: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

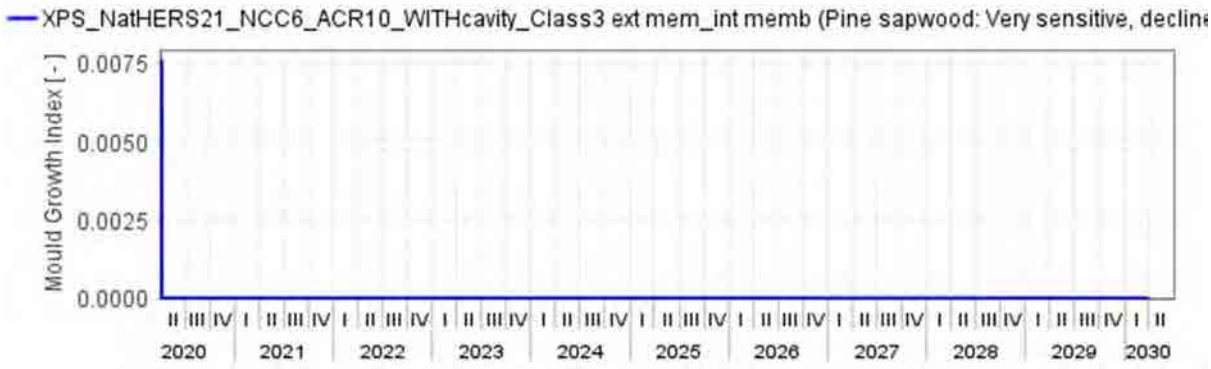

Figure 137: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

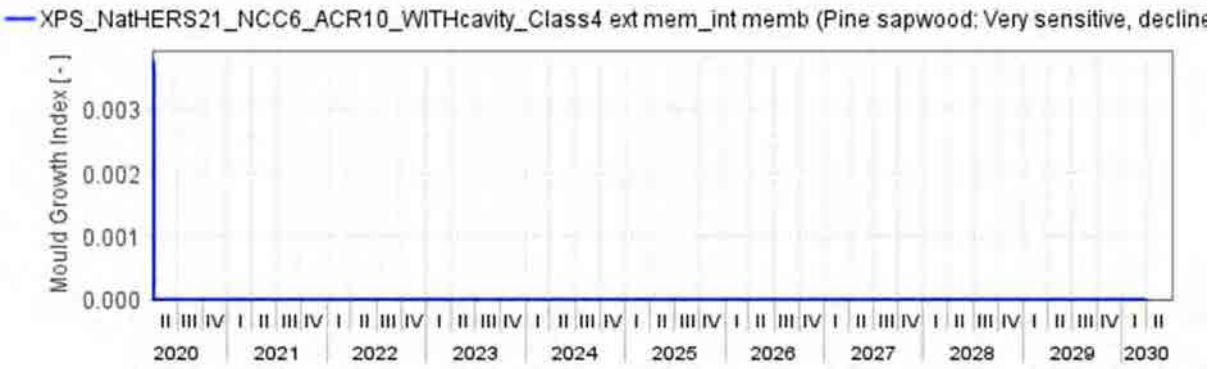

Figure 138: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

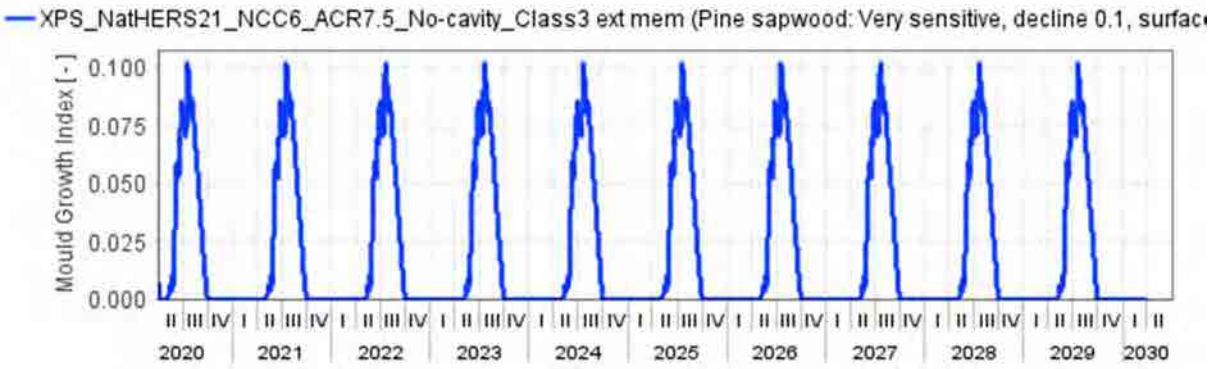

Figure 139: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3- 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

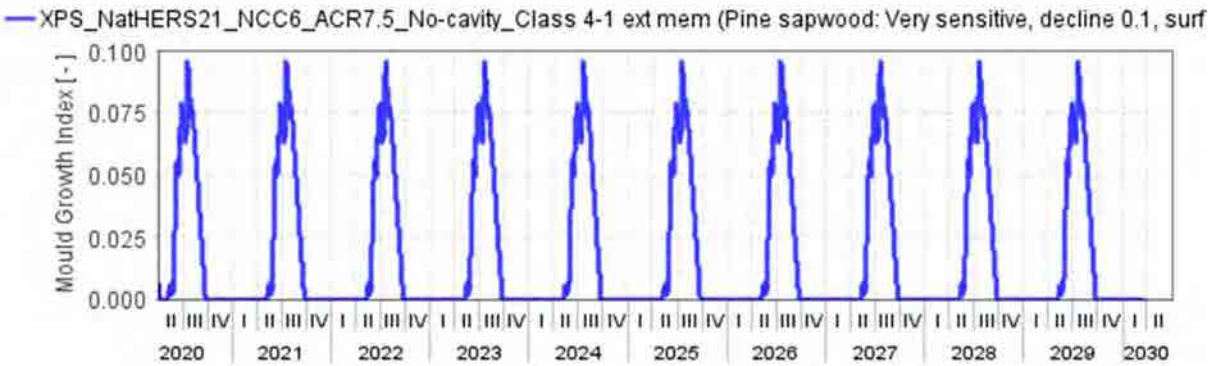

Figure 140: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

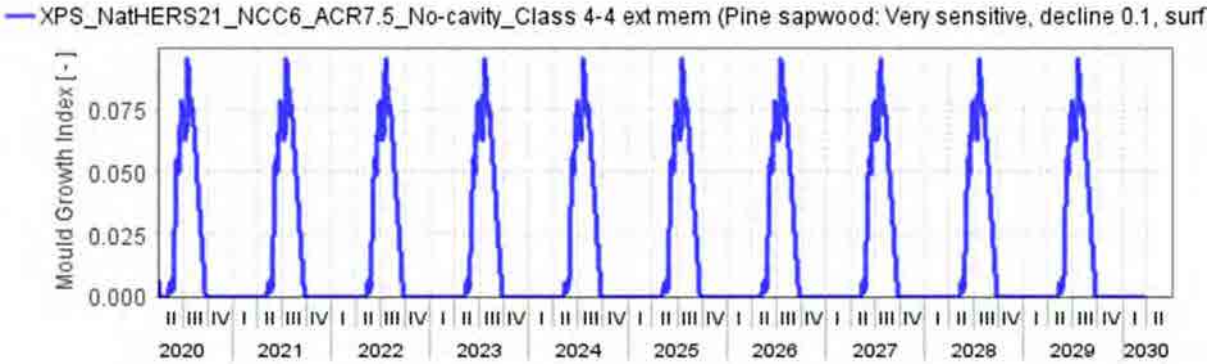

Figure 141 XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

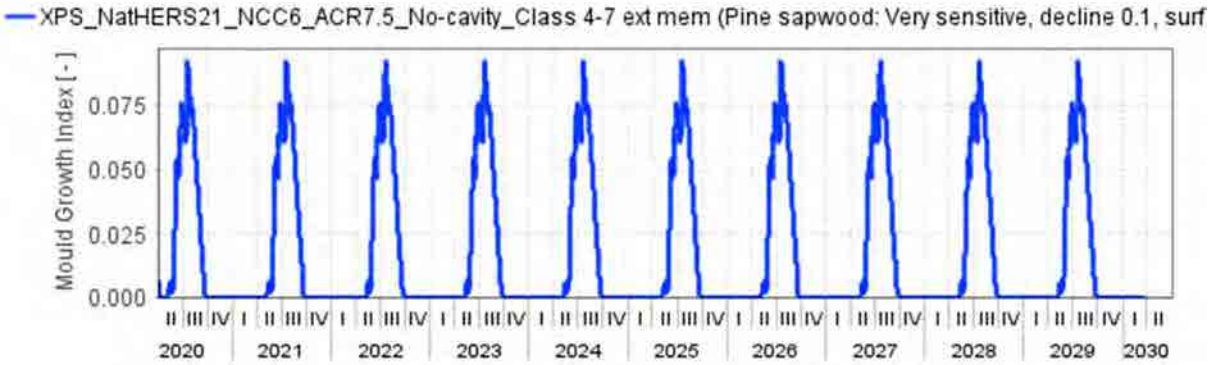

Figure 142: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

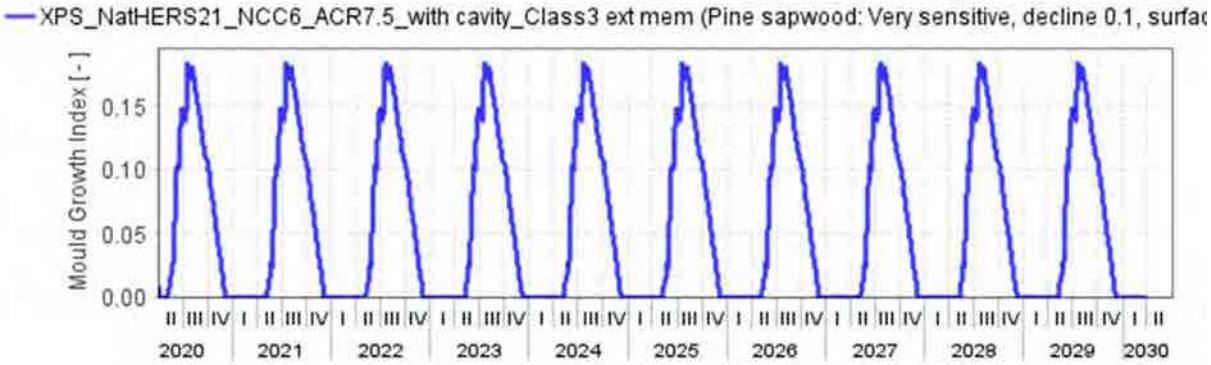

Figure 143: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

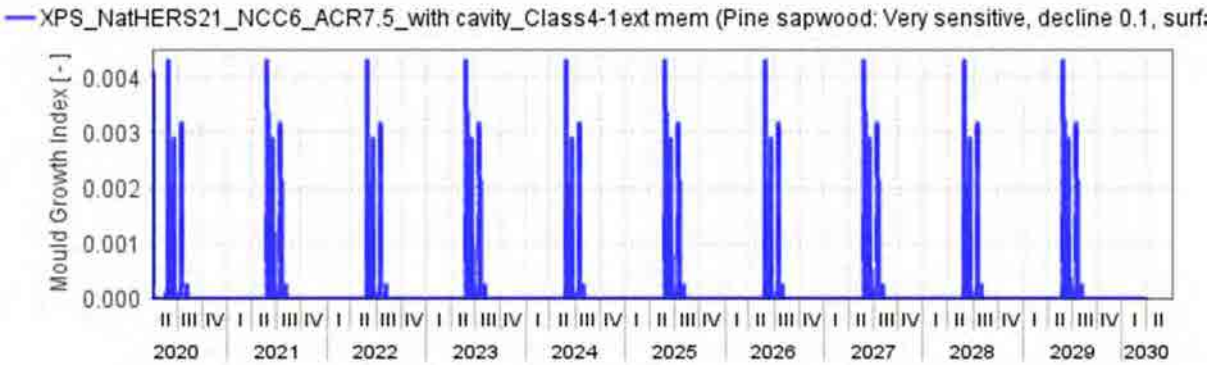

Figure 144: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

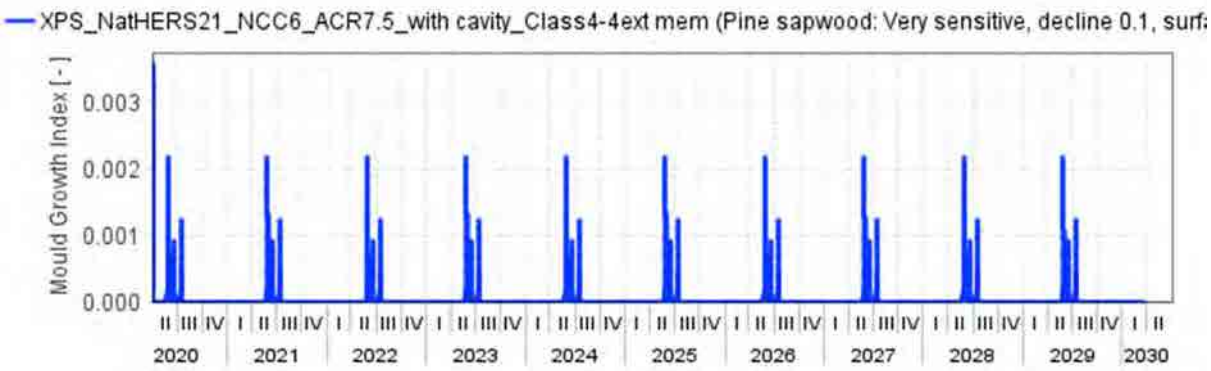

Figure 145: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

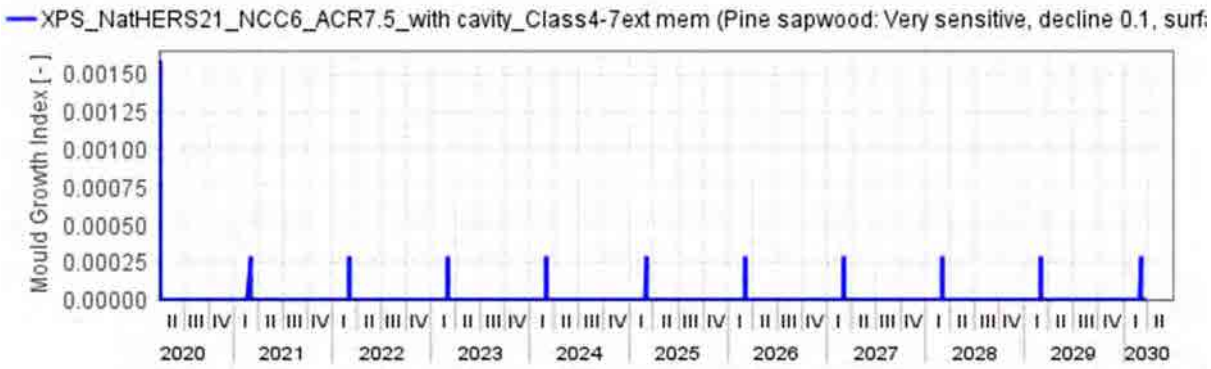

Figure 146: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

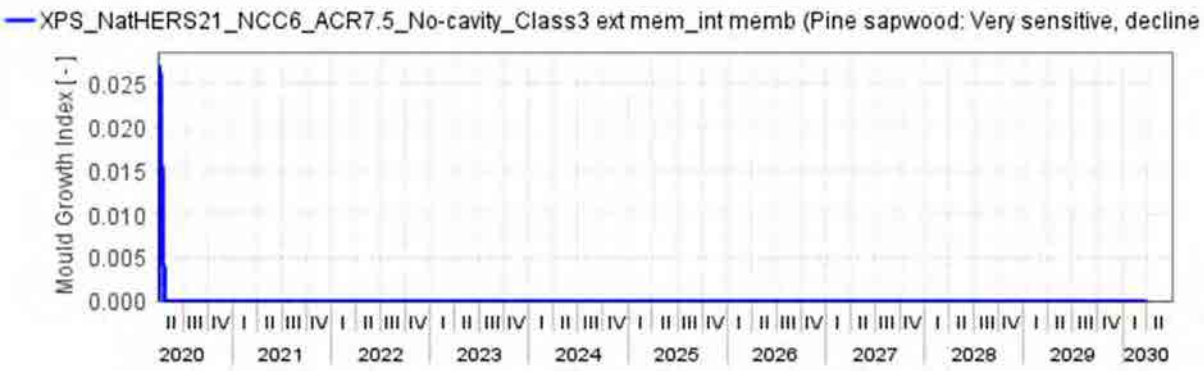

Figure 147: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

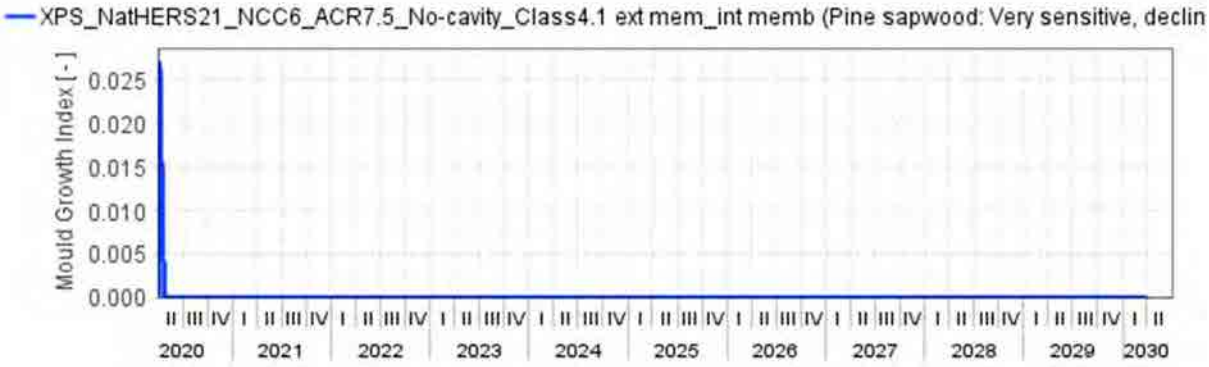

Figure 148: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

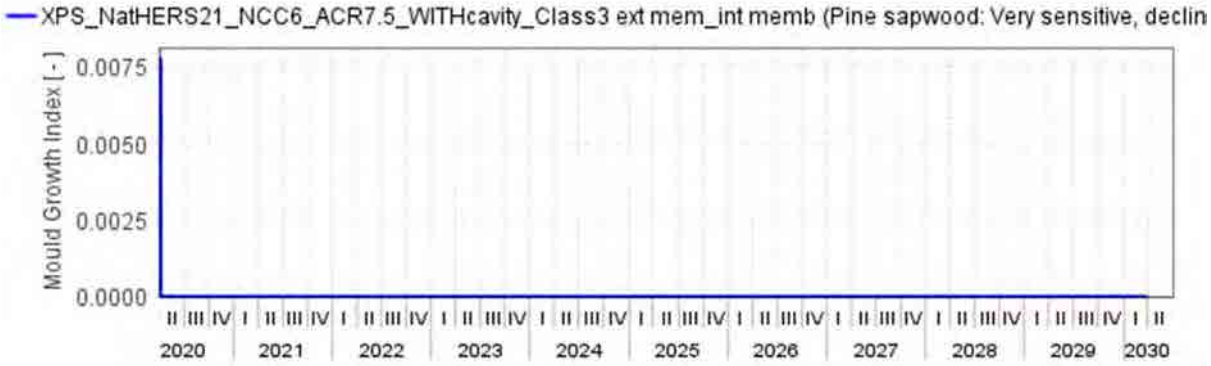

Figure 149: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

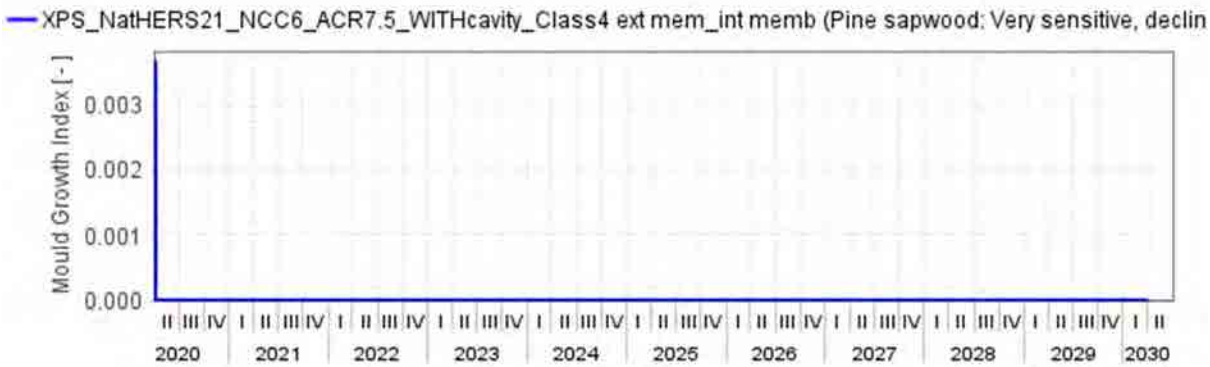

Figure 150: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 7.5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

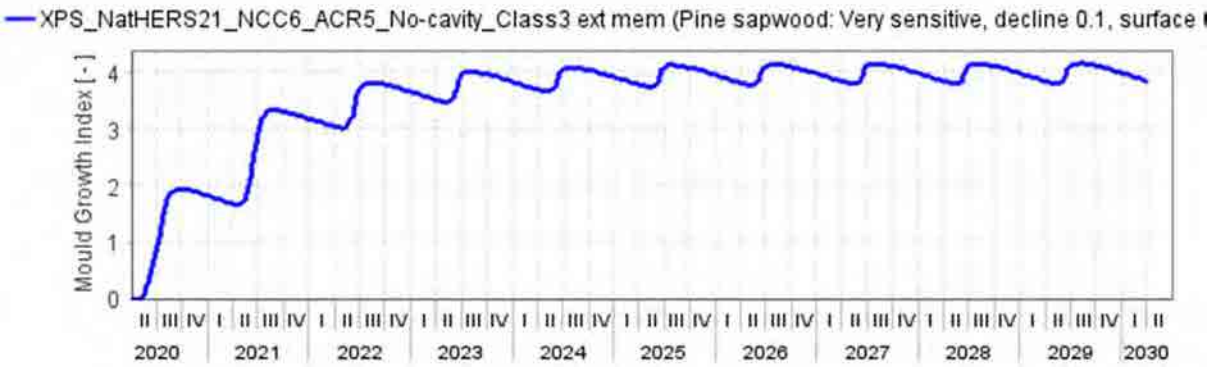

Figure 151: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 - 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

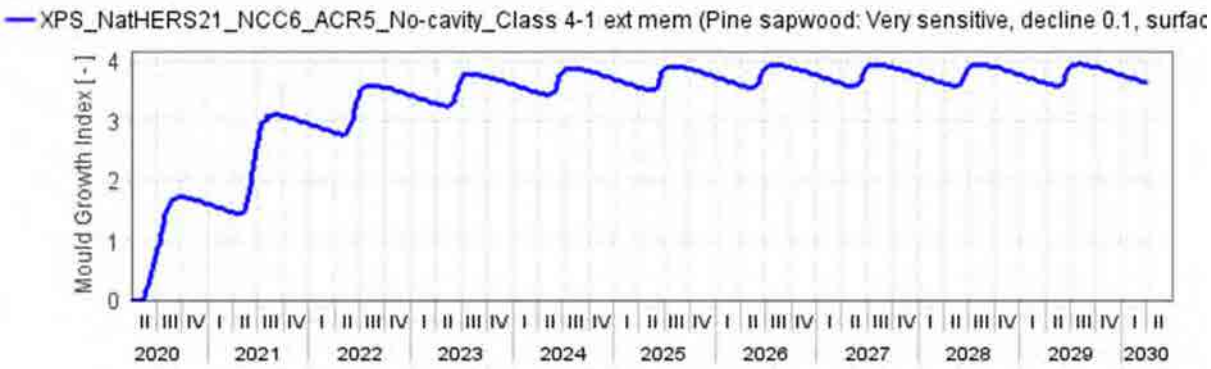

Figure 152: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

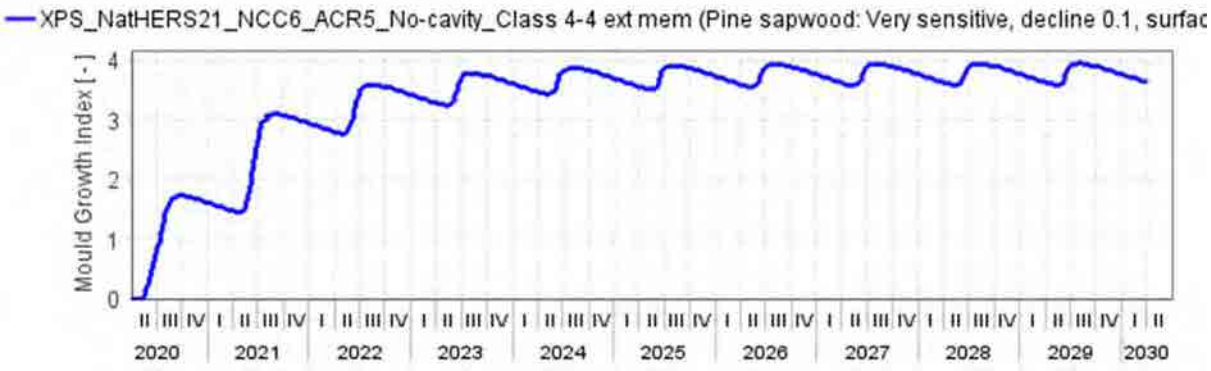

Figure 153 XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

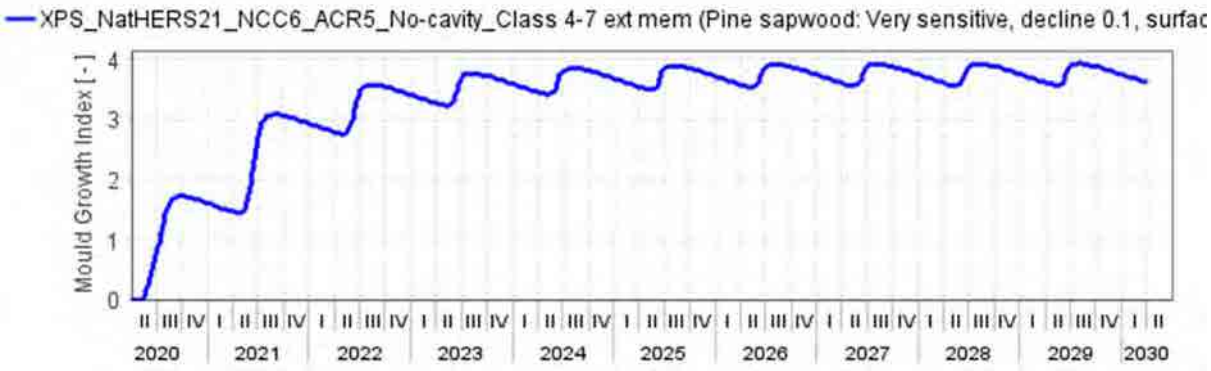

Figure 154: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

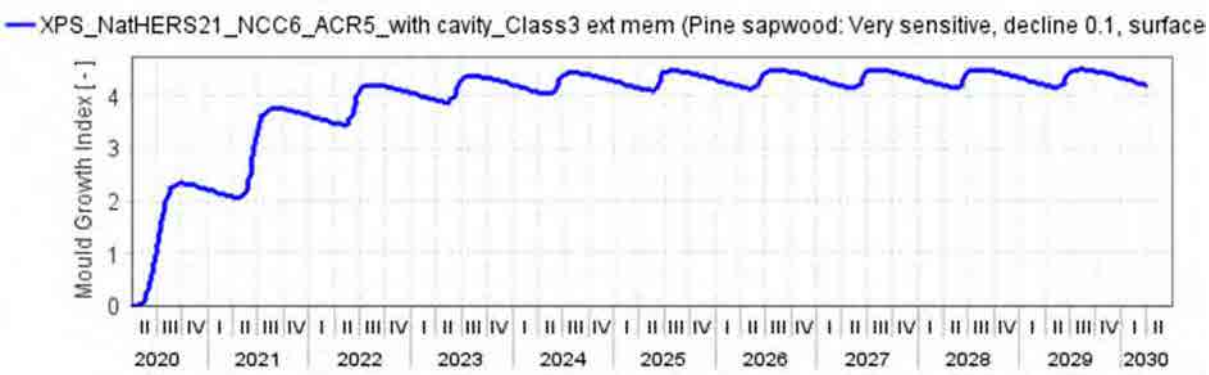

Figure 155: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

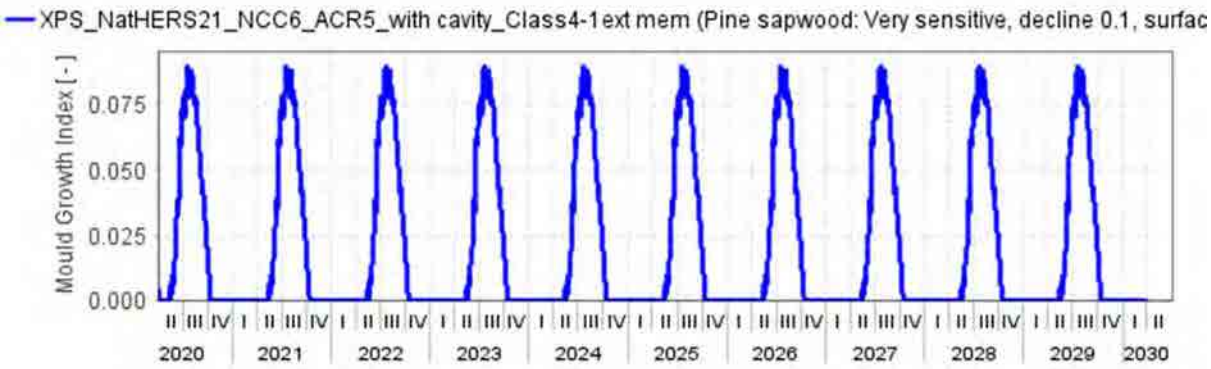

Figure 156: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

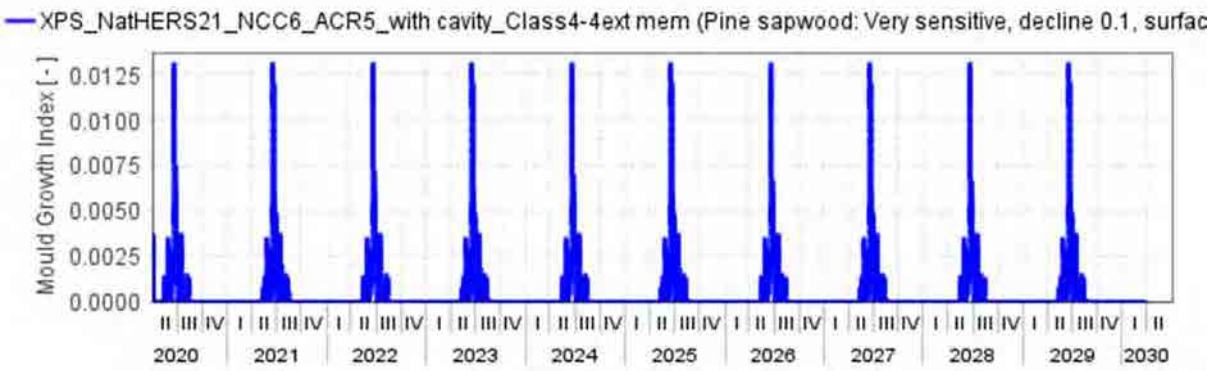

Figure 157: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

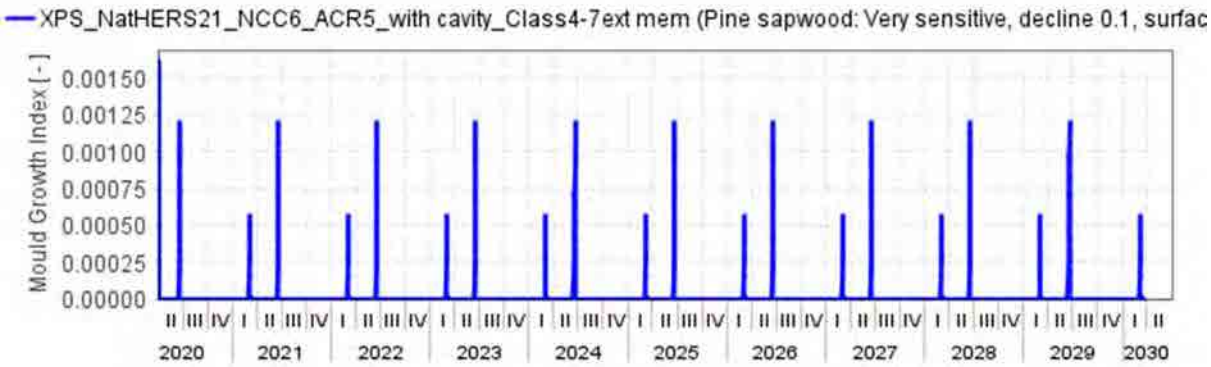

Figure 158: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

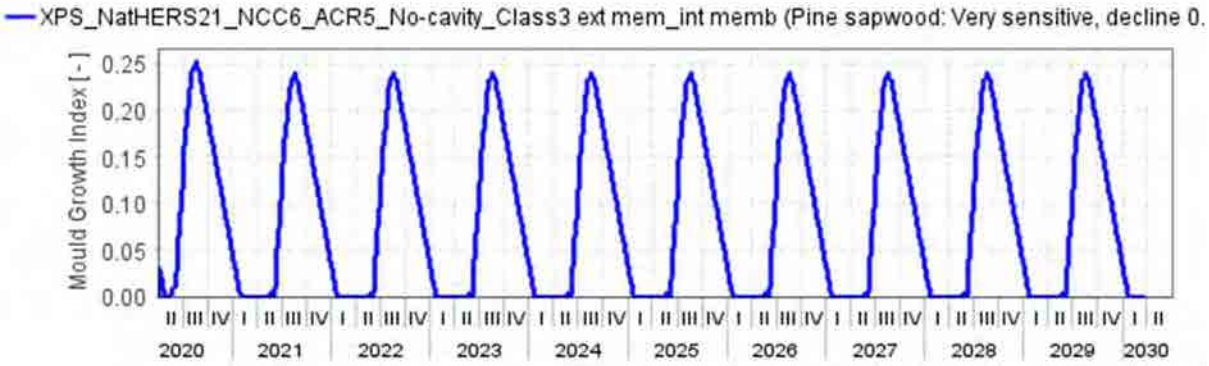

Figure 159: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

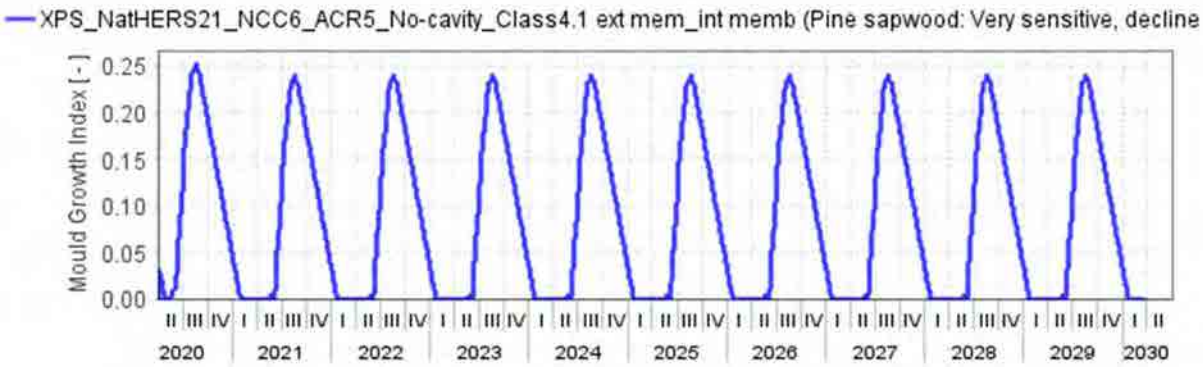

Figure 160: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

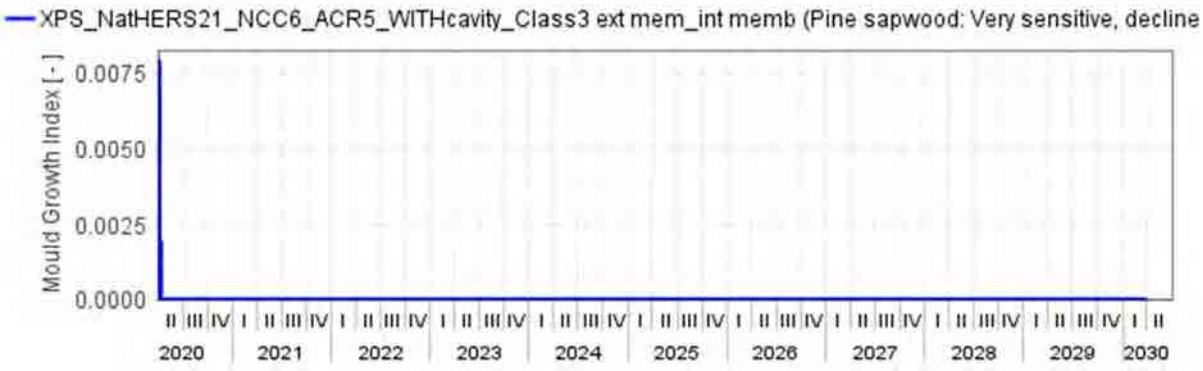

Figure 161: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

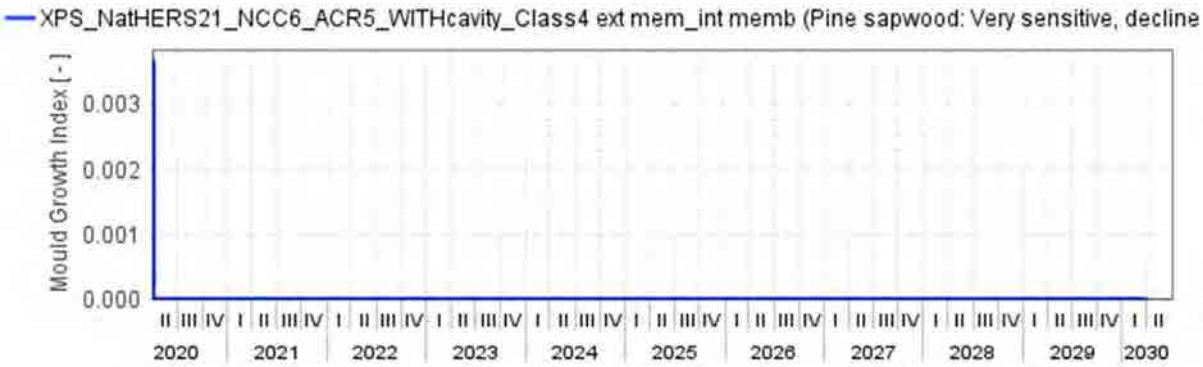

Figure 162: XPS NatHERS CZ 21 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

NatHERS CZ 22, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

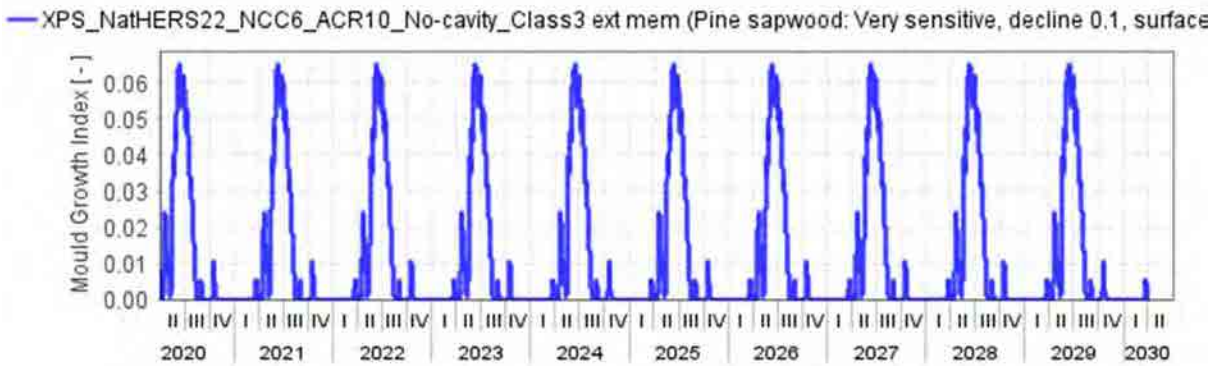

Figure 163: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 - 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

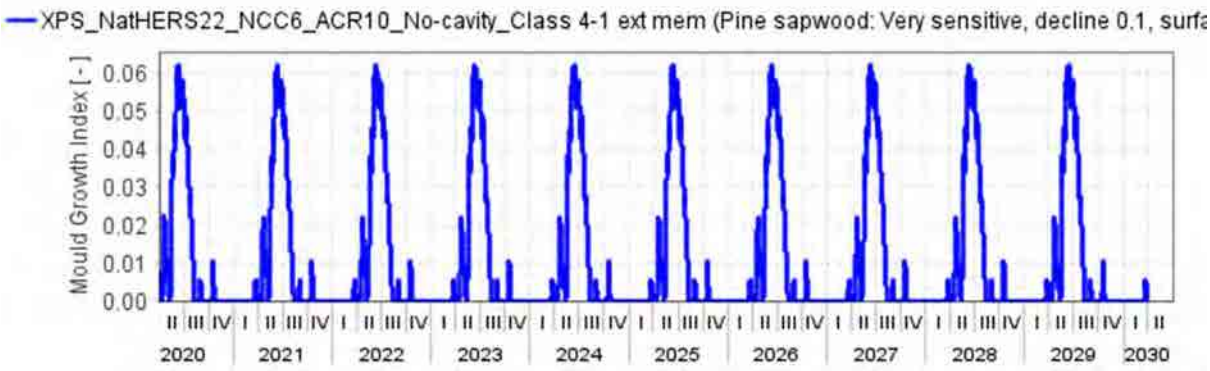

Figure 164: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

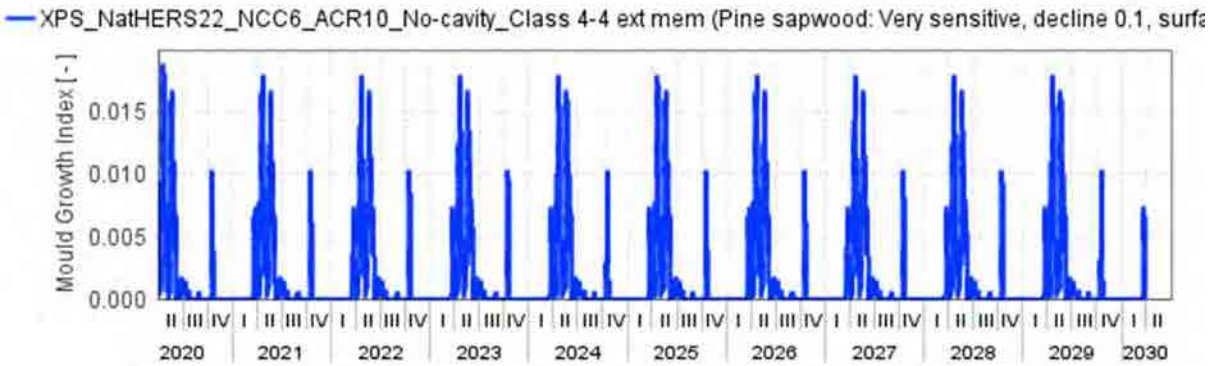

Figure 165 XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

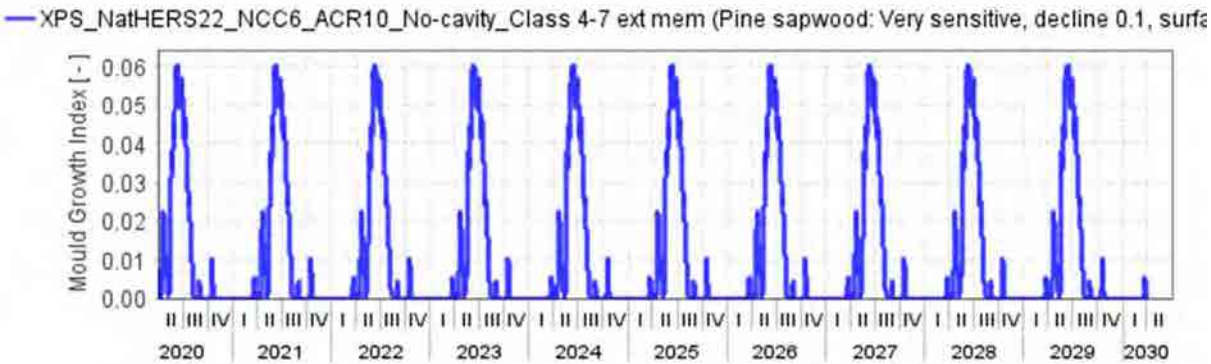

Figure 166: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

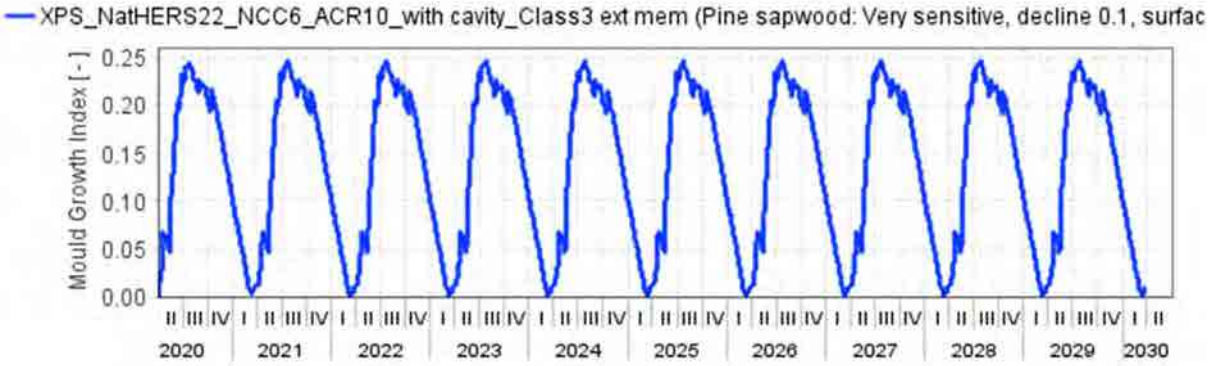

Figure 167: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

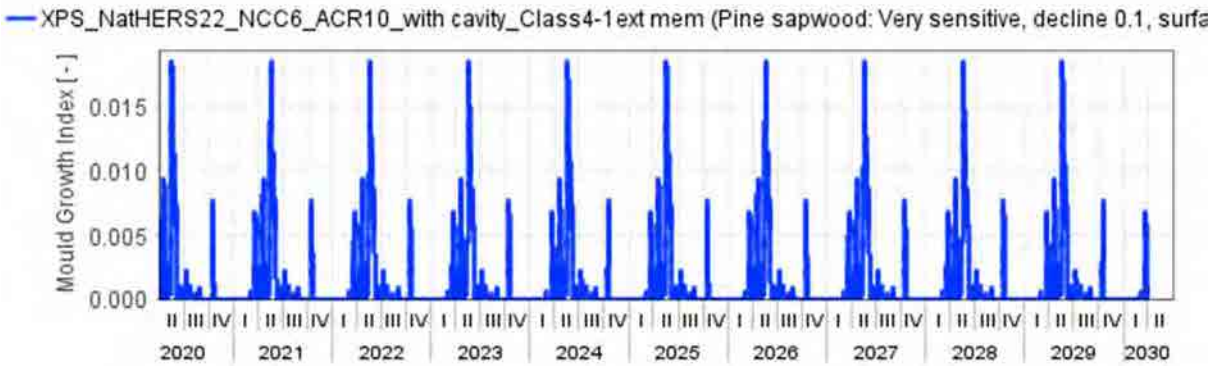

Figure 168: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

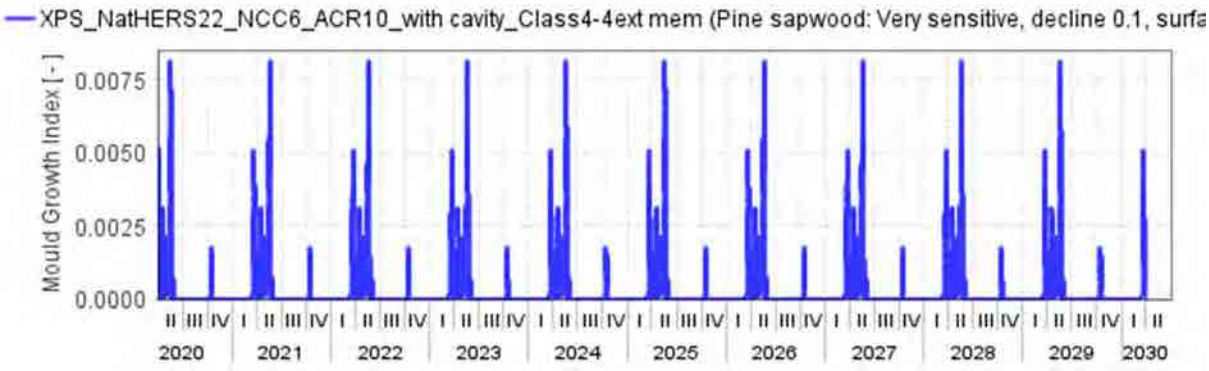

Figure 169: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

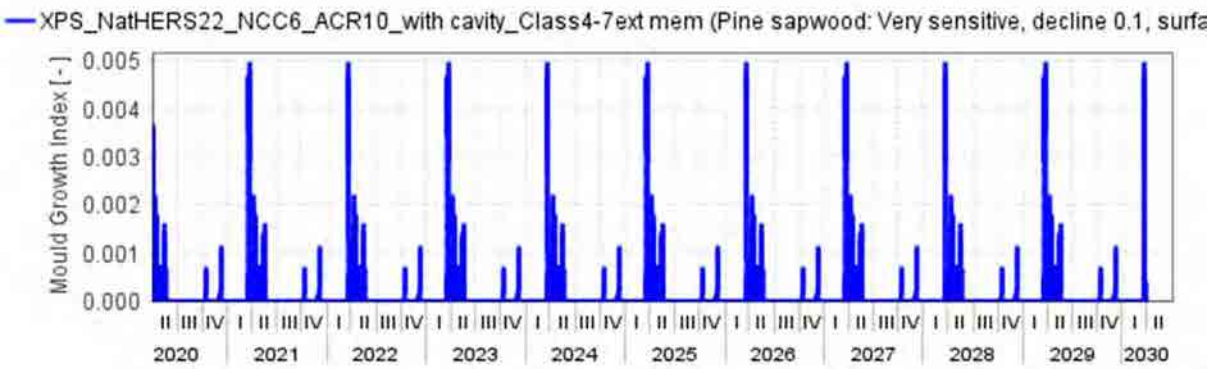

Figure 170: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

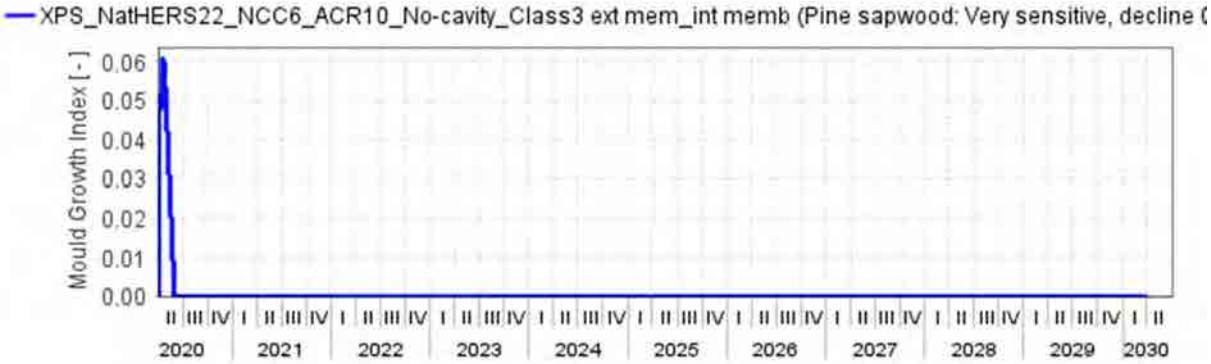

Figure 171: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

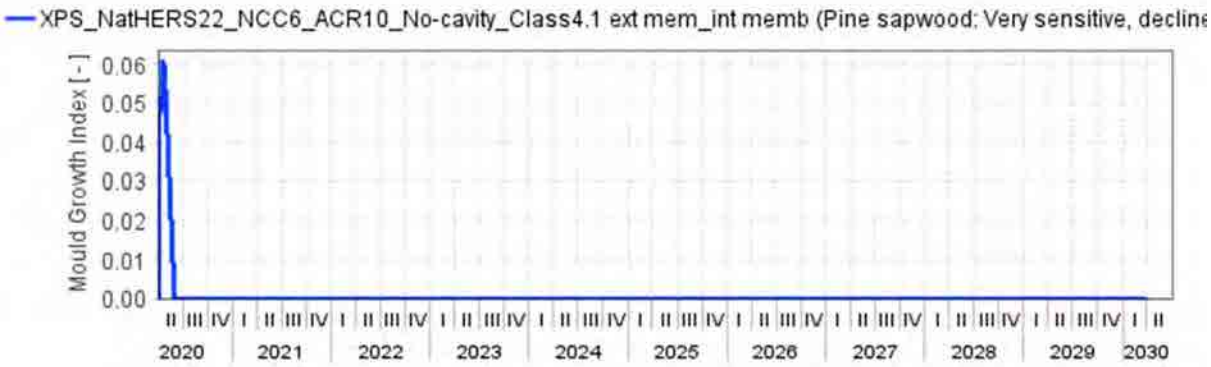

Figure 172: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

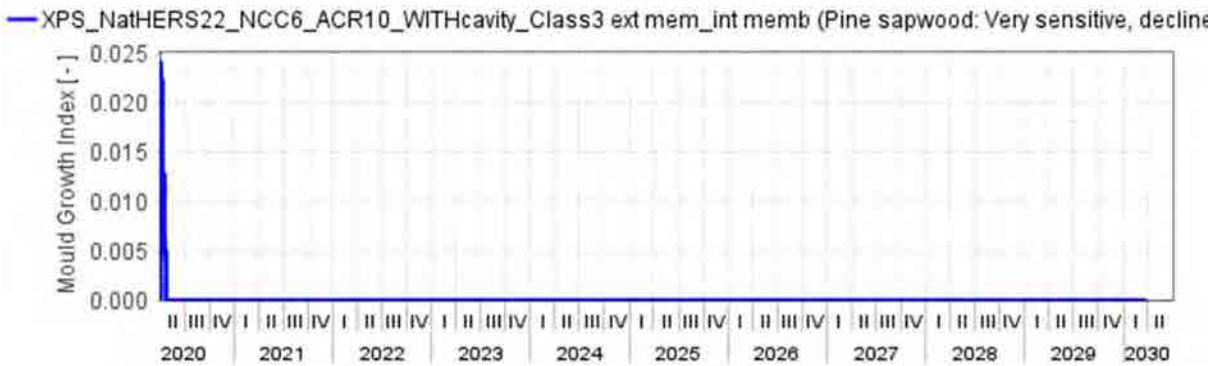

Figure 173: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 - with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

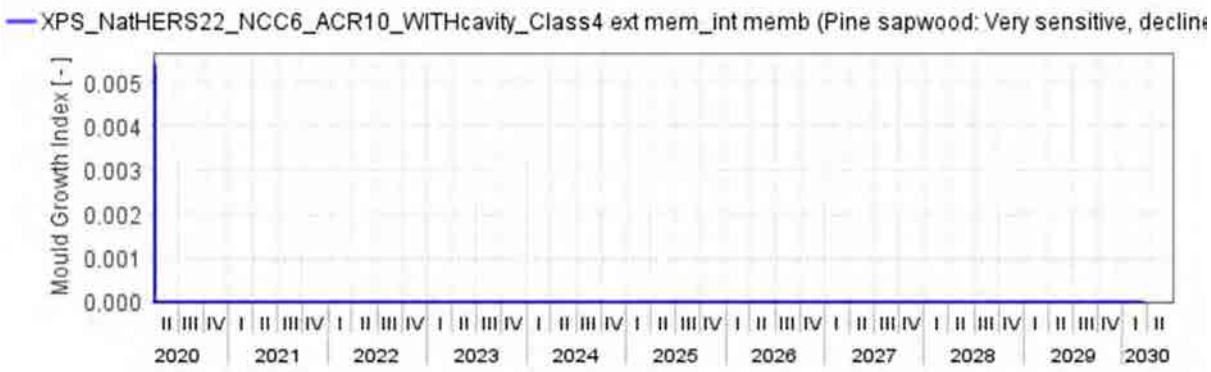

Figure 174: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

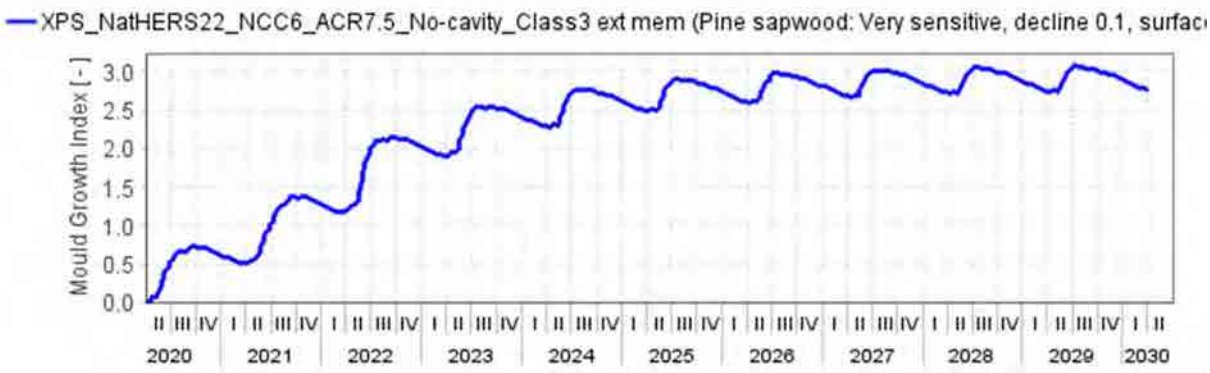

Figure 175: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 - 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

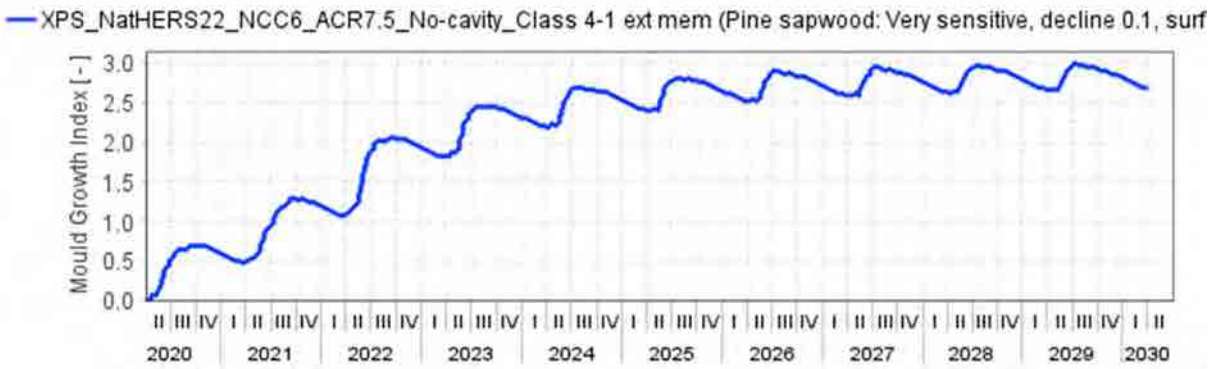

Figure 176: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

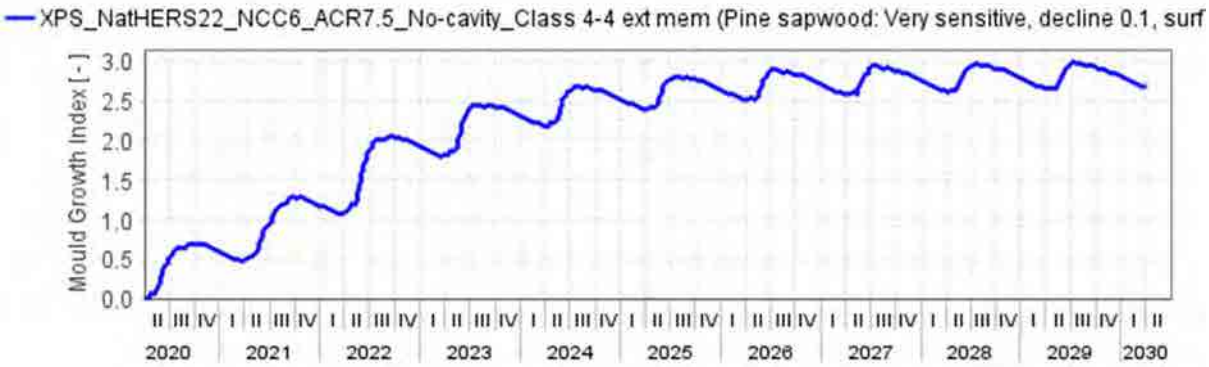

Figure 177 XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

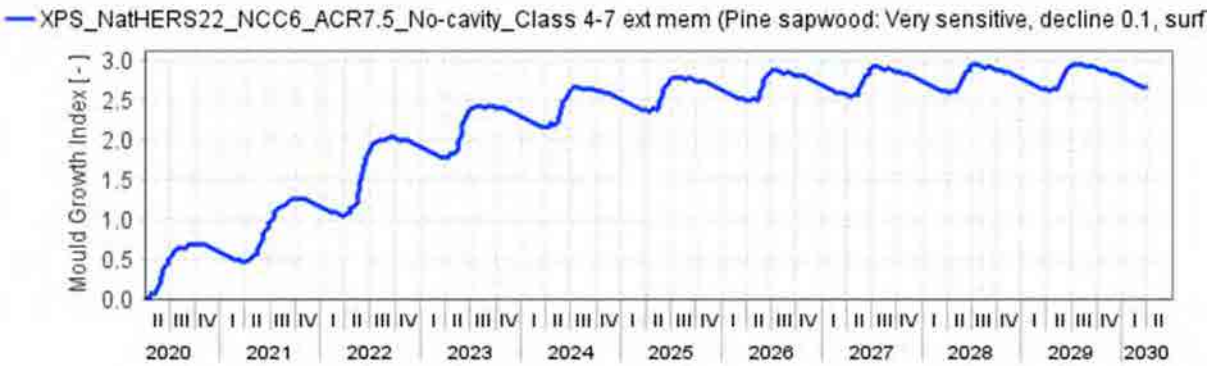

Figure 178: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 179: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398– Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

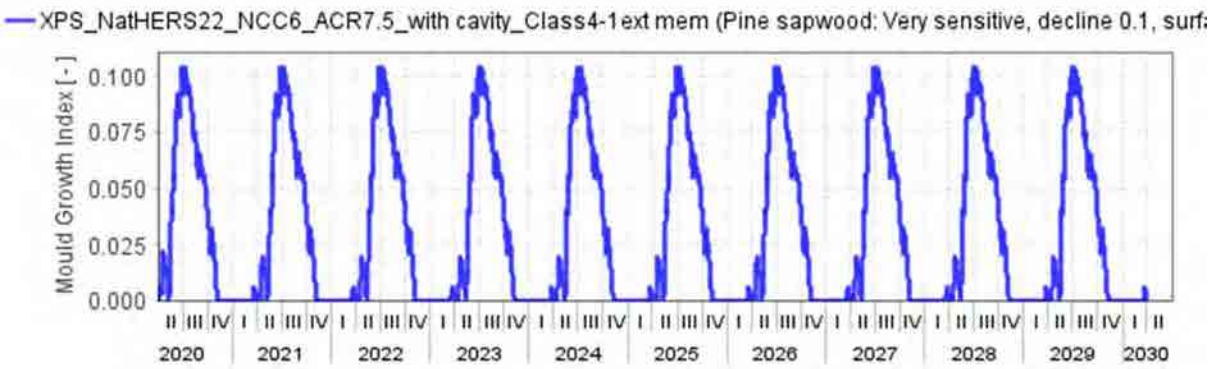

Figure 180: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

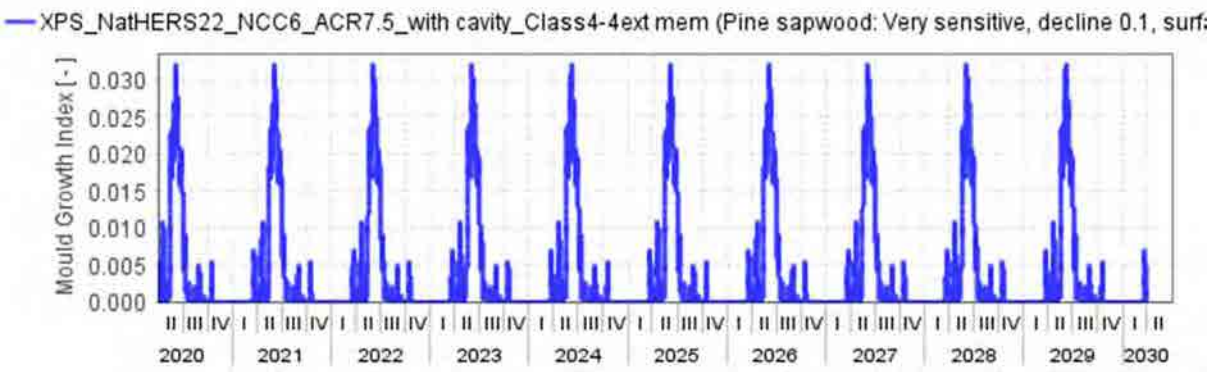

Figure 181: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

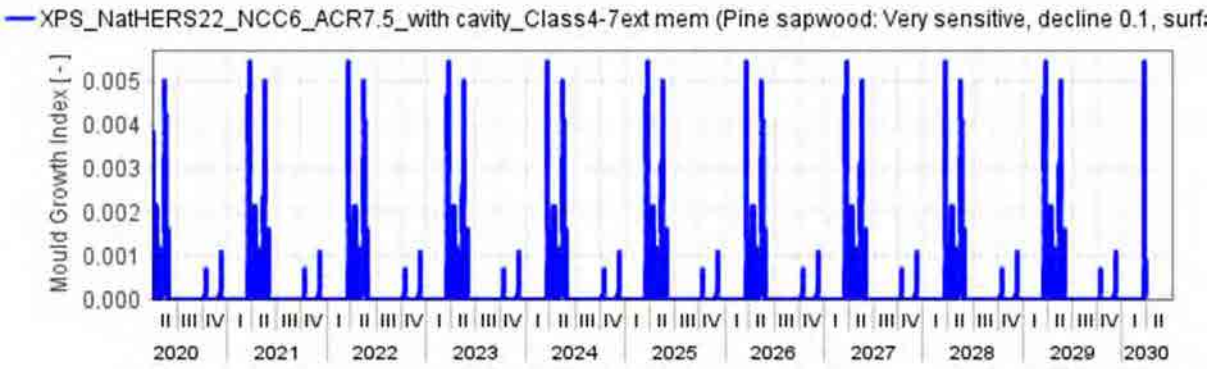

Figure 182: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

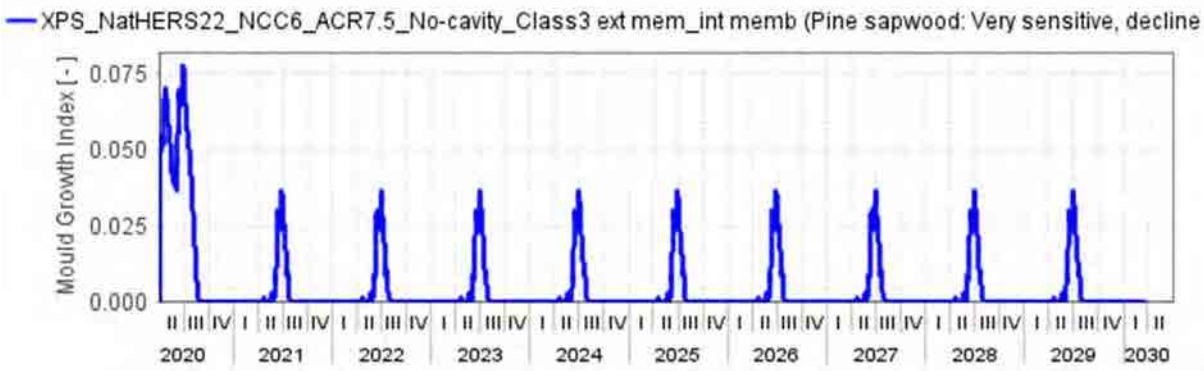

Figure 183: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.– Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

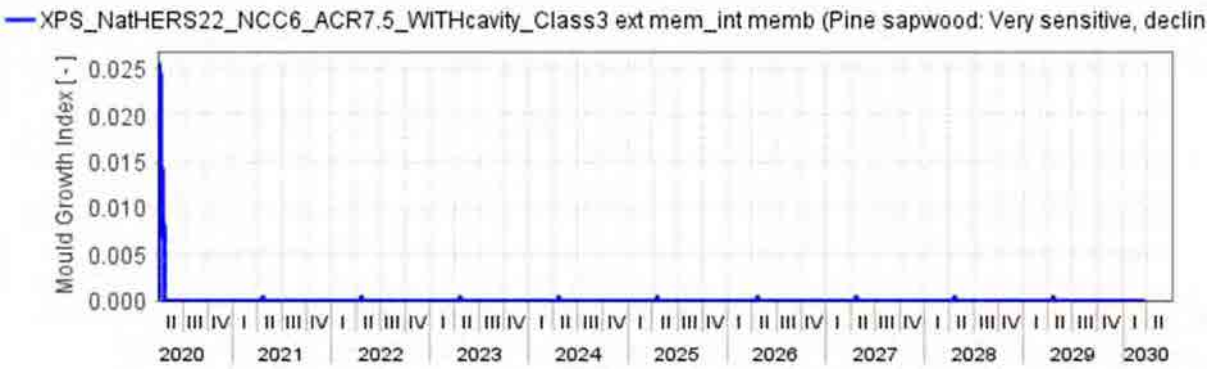

Figure 184: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

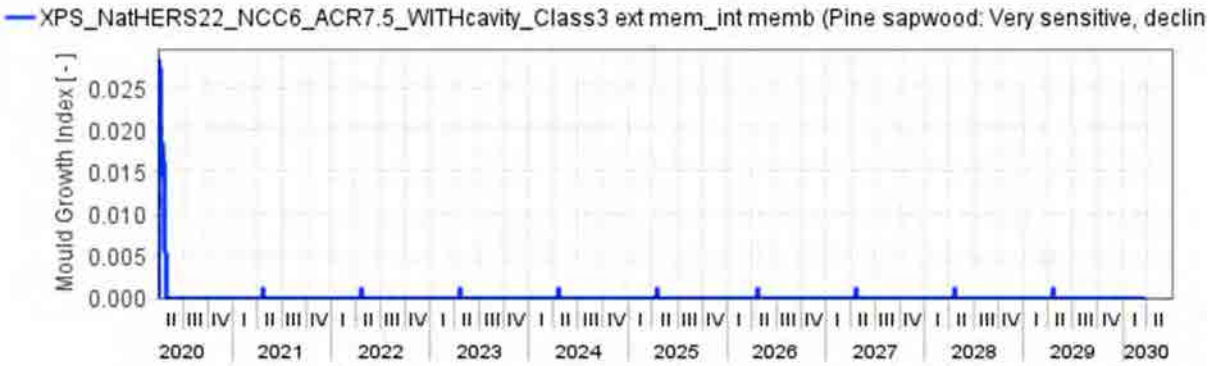

Figure 185: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.– Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

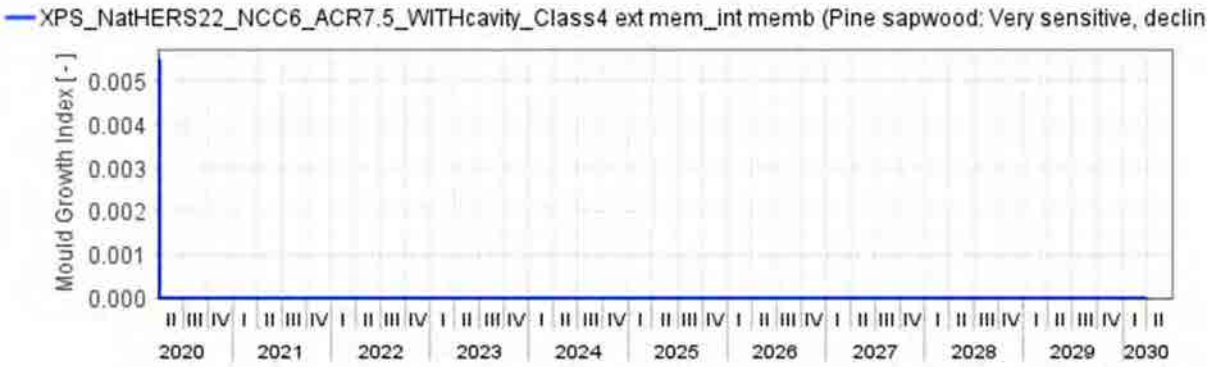

Figure 186: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 7.5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

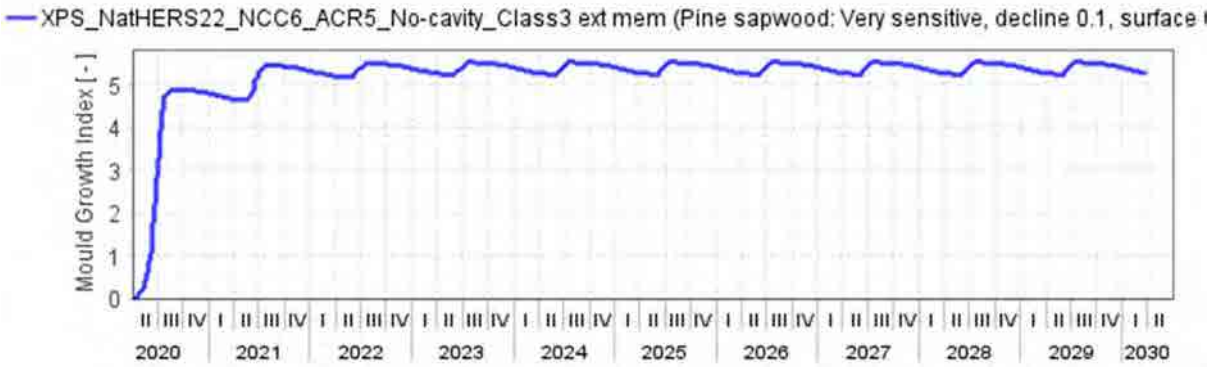

Figure 187: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

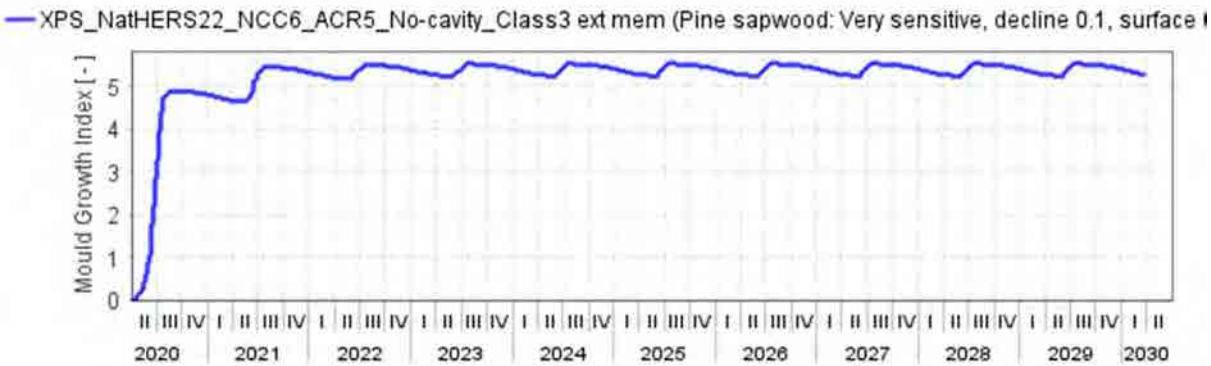

Figure 188: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

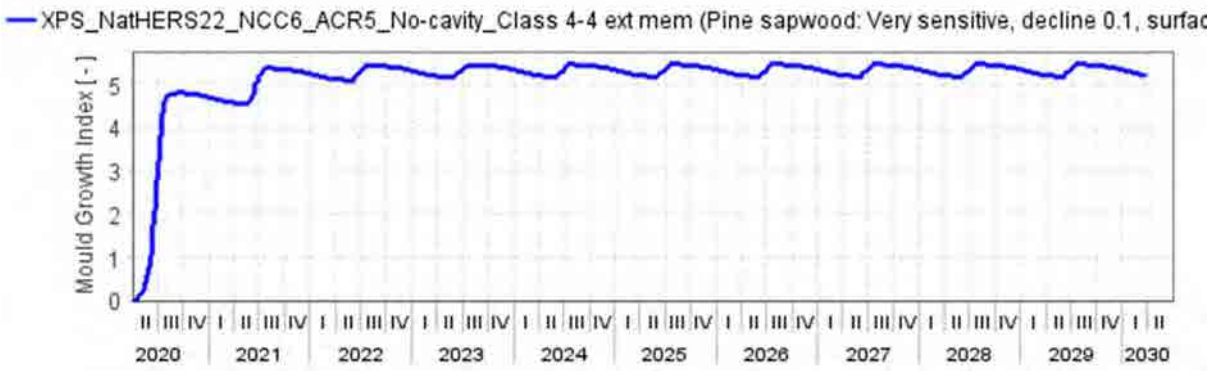

Figure 189 XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

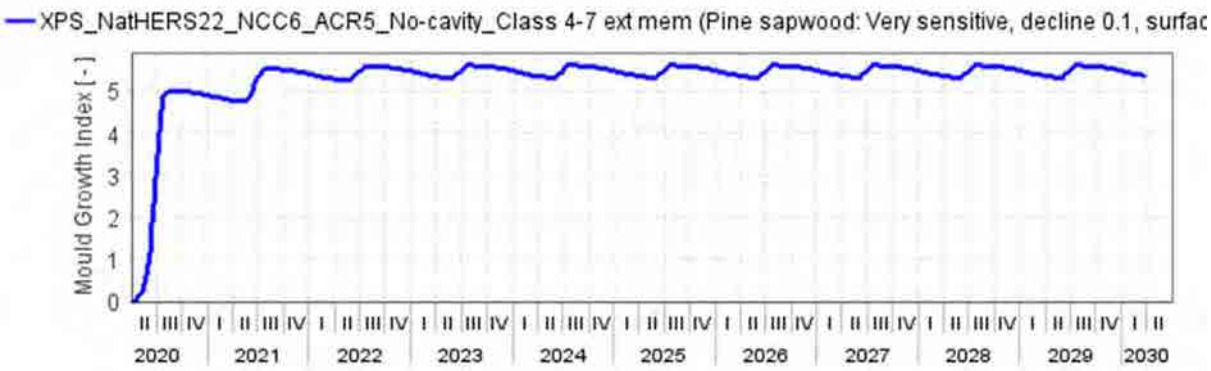

Figure 190: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

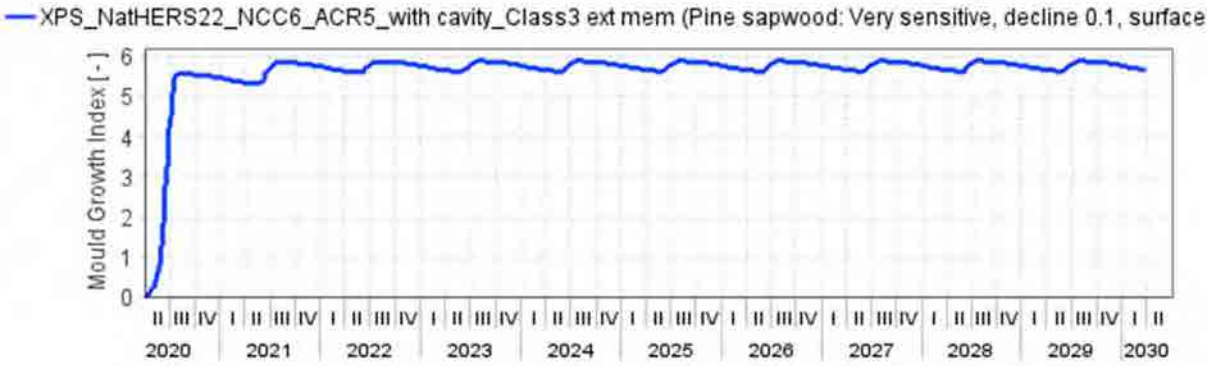

Figure 191: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

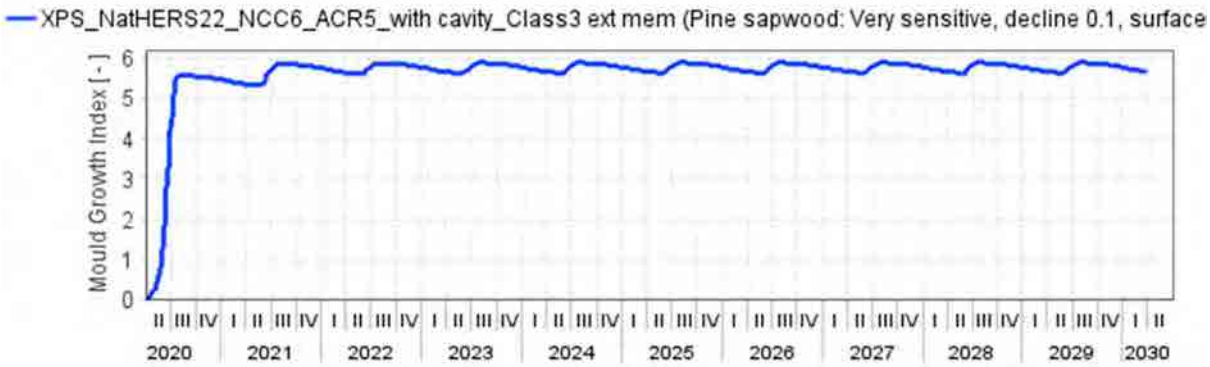

Figure 192: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

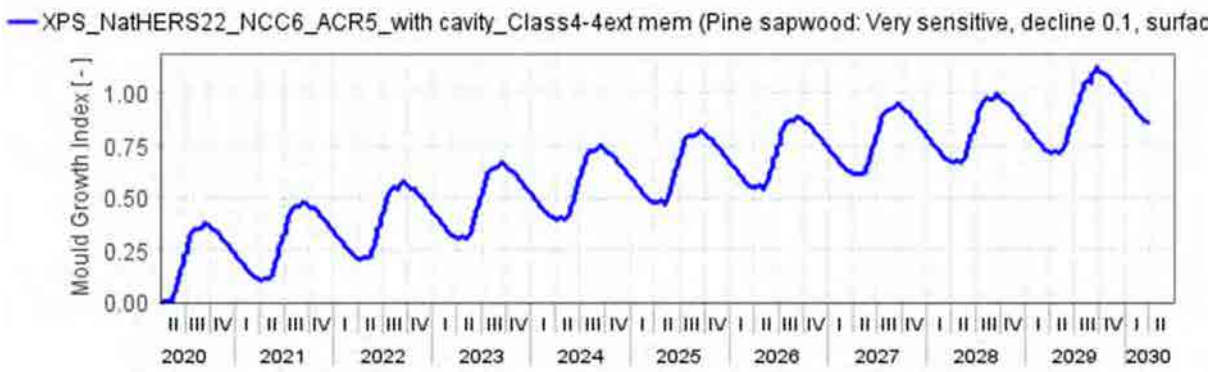

Figure 193: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

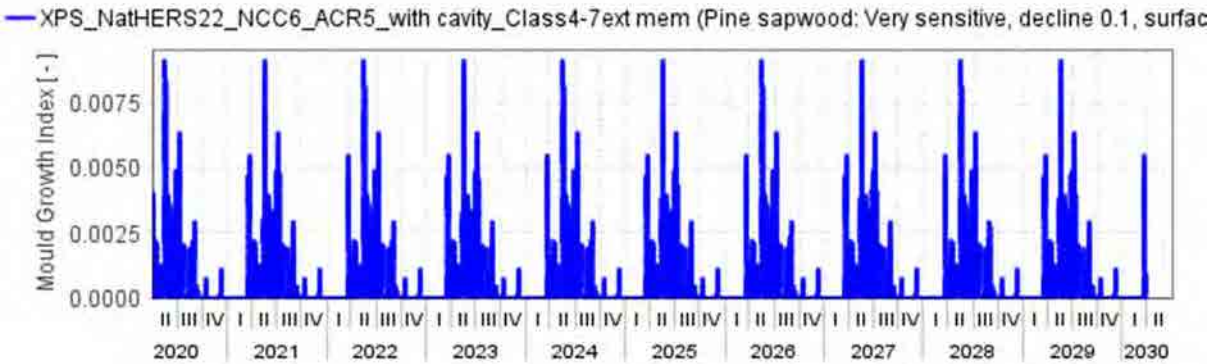

Figure 194: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

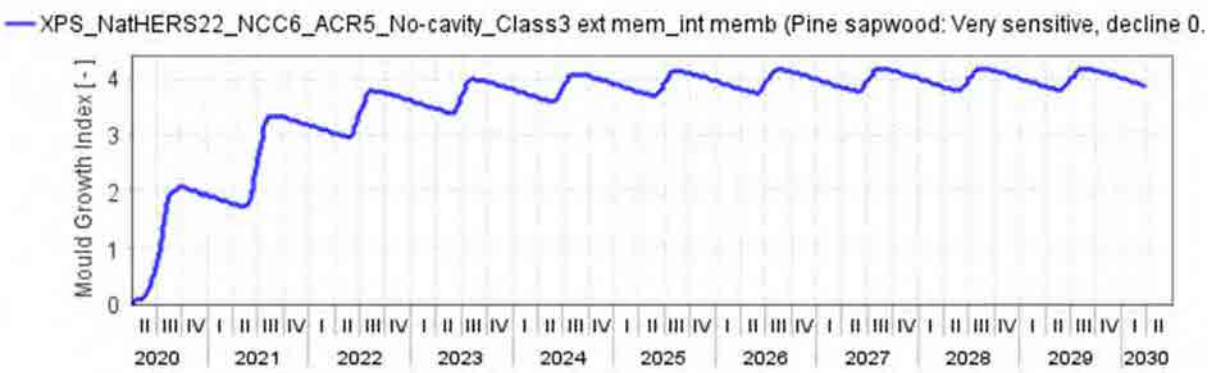

Figure 195: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

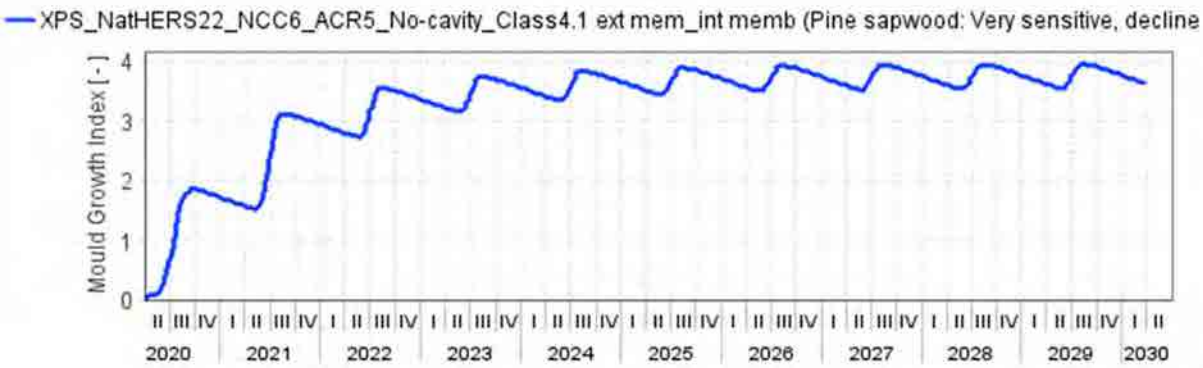

Figure 196: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

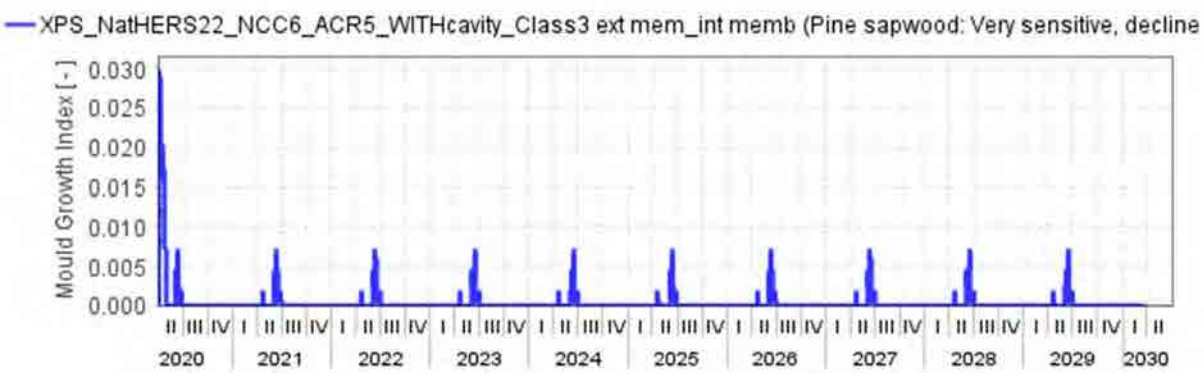

Figure 197: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

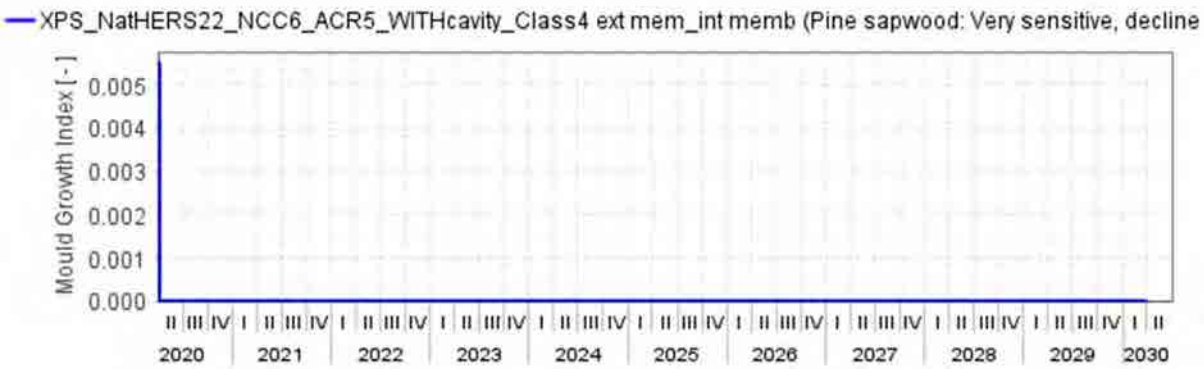

Figure 198: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

NatHERS CZ 27, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

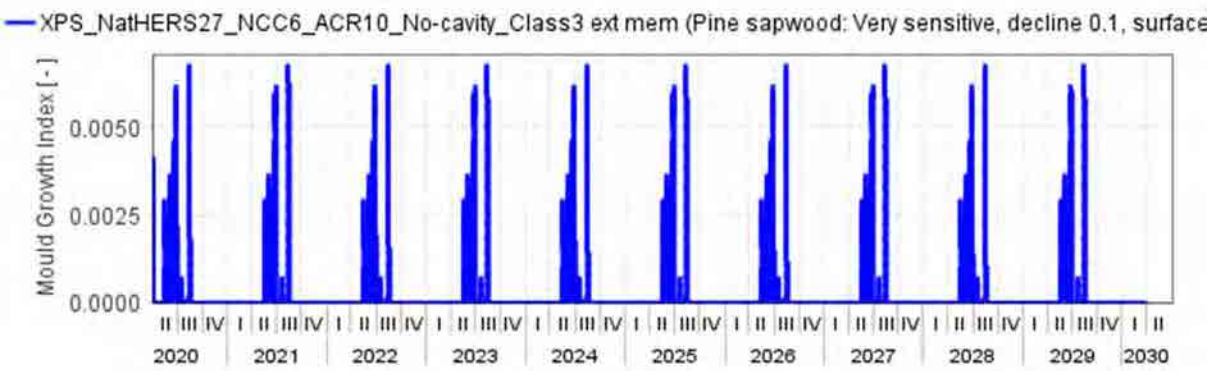

Figure 199: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

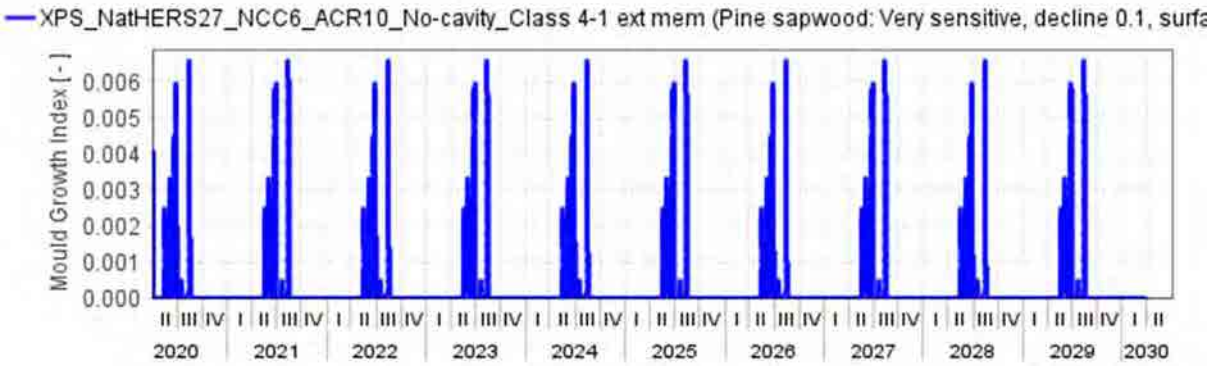

Figure 200: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

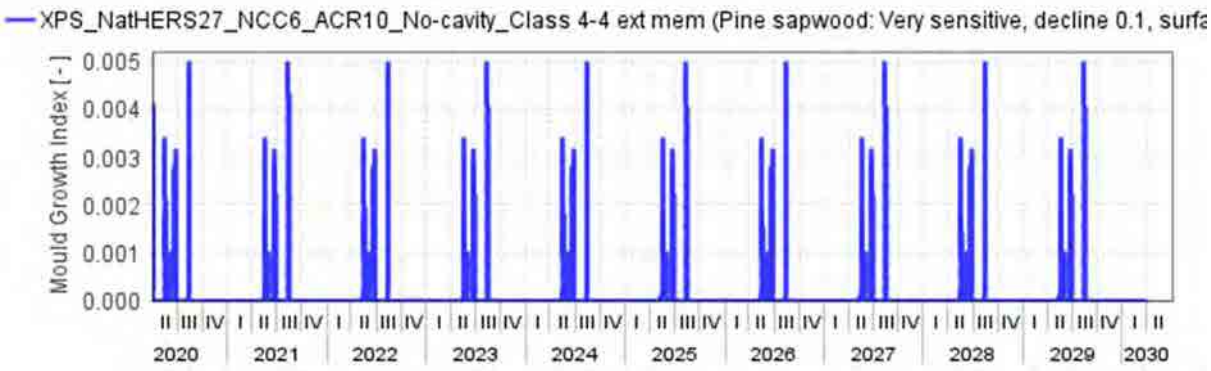

Figure 201 XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

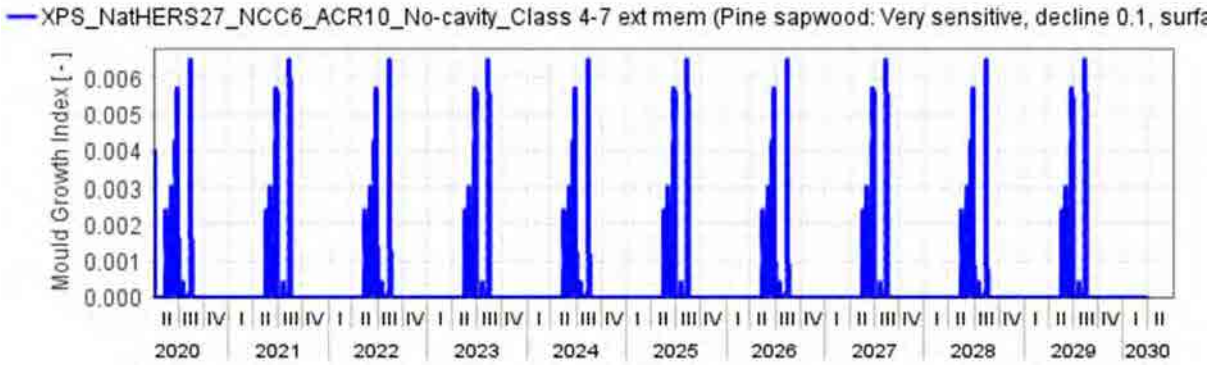

Figure 202: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

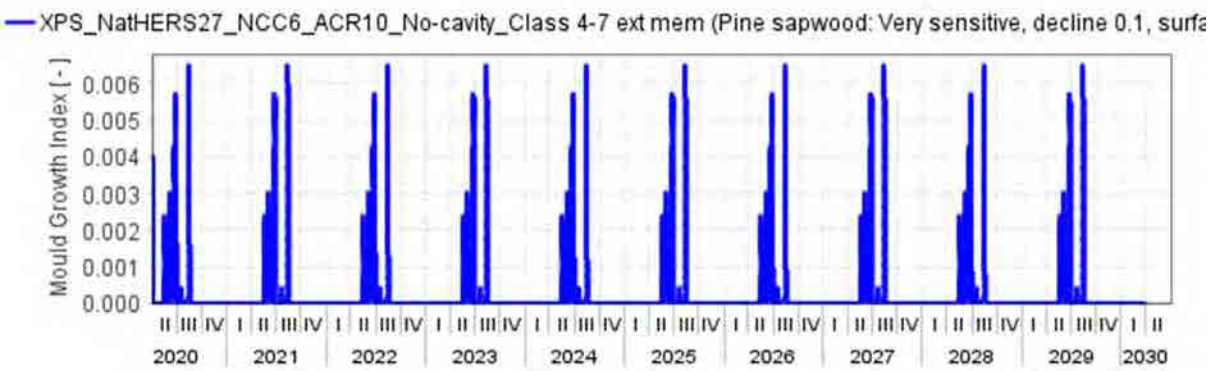

Figure 203: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398– Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

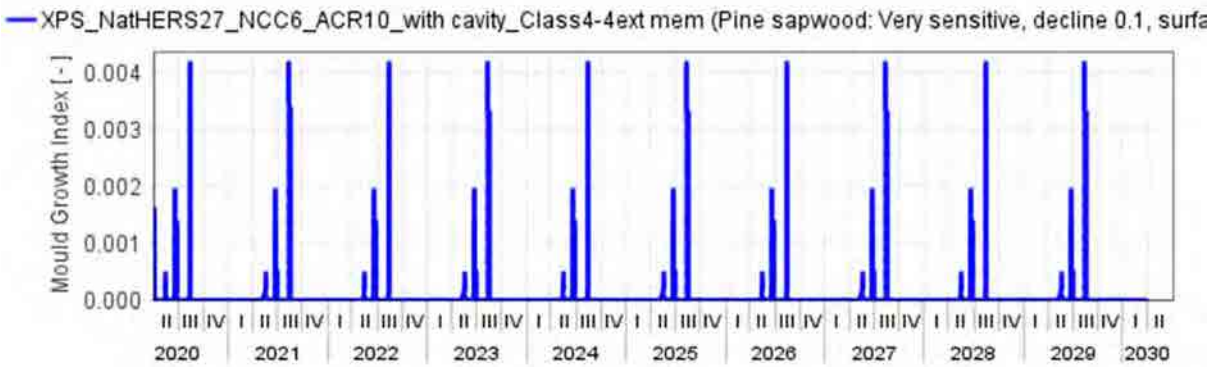

Figure 204: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

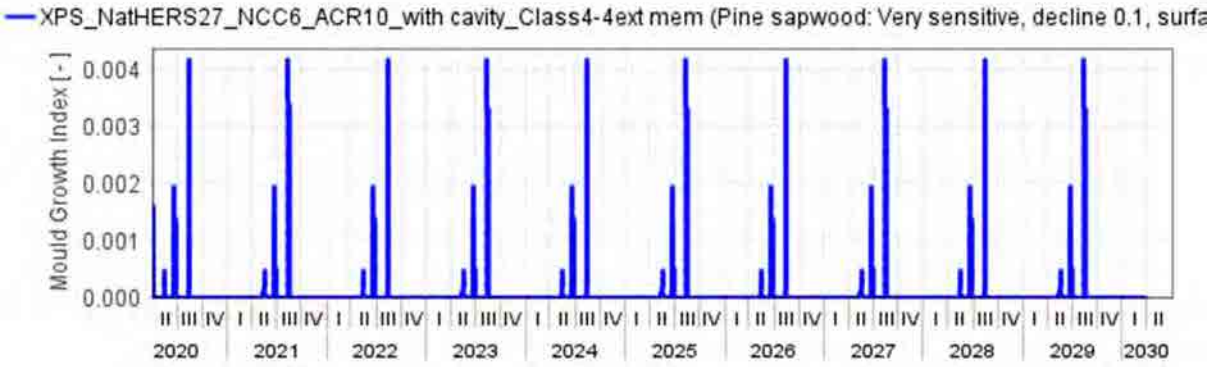

Figure 205: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

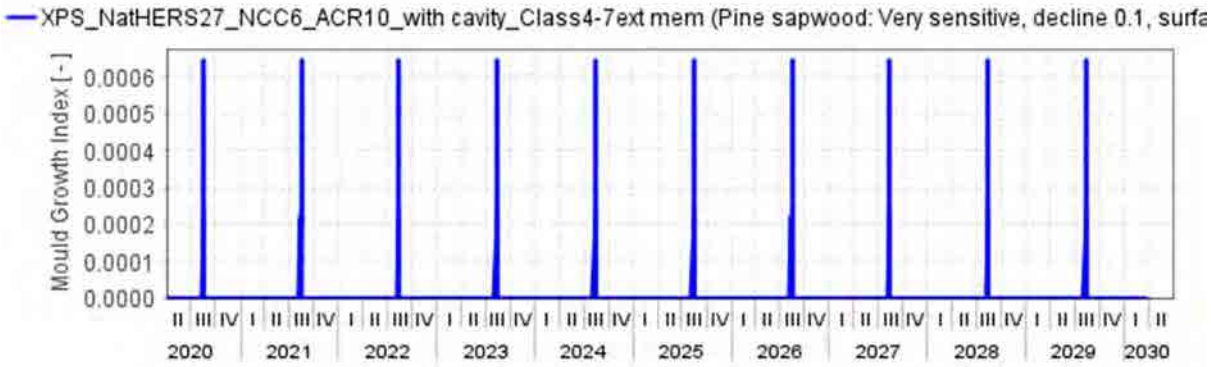

Figure 206: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

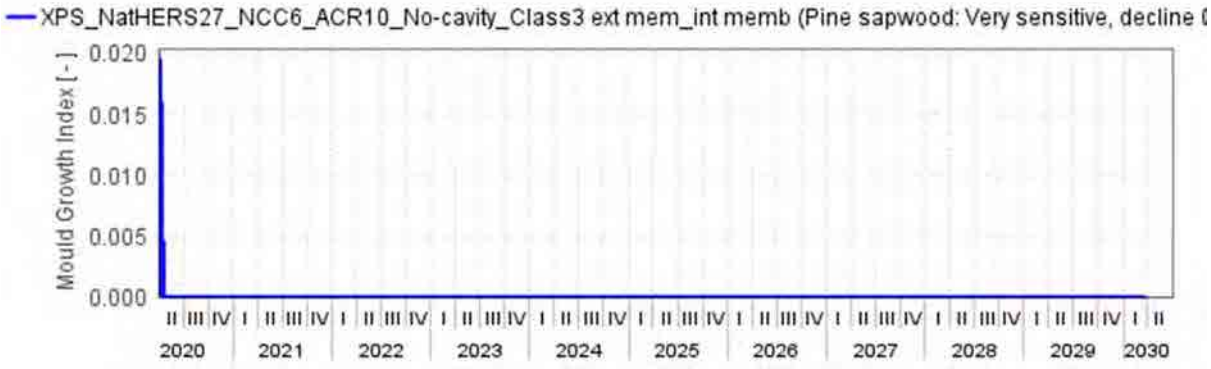

Figure 207: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

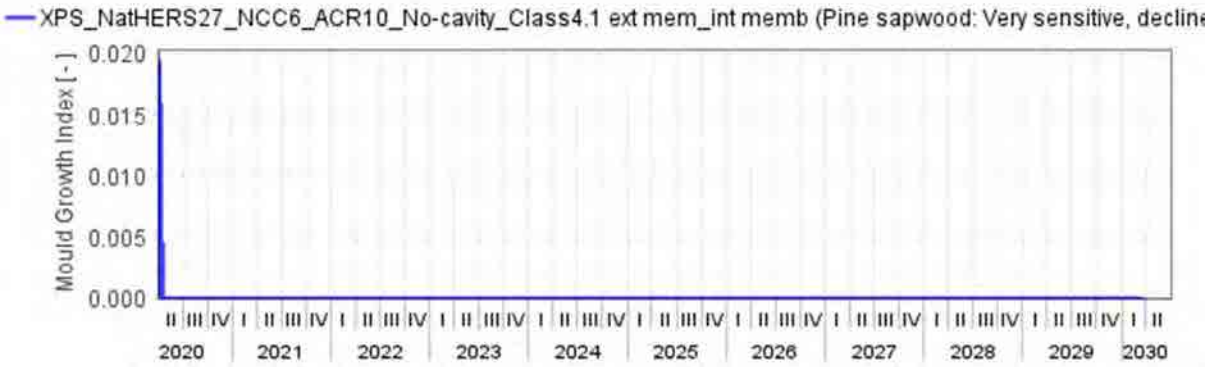

Figure 208: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

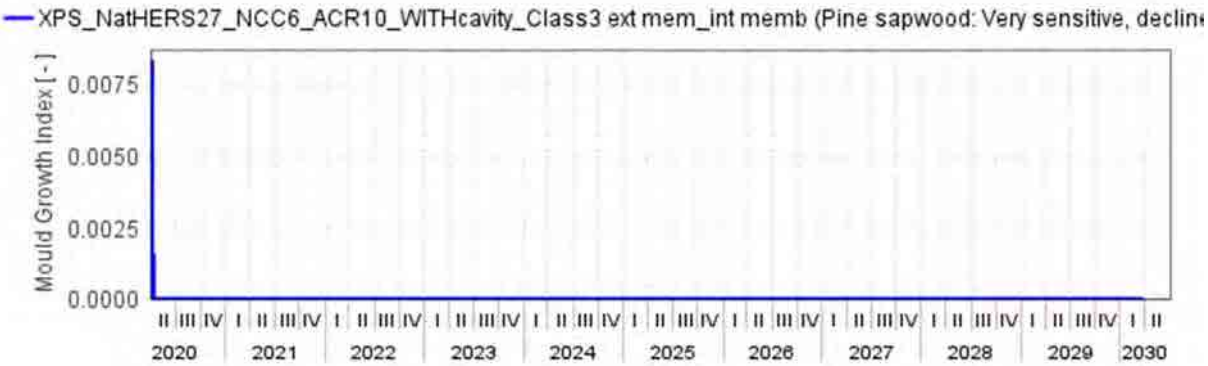

Figure 209: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

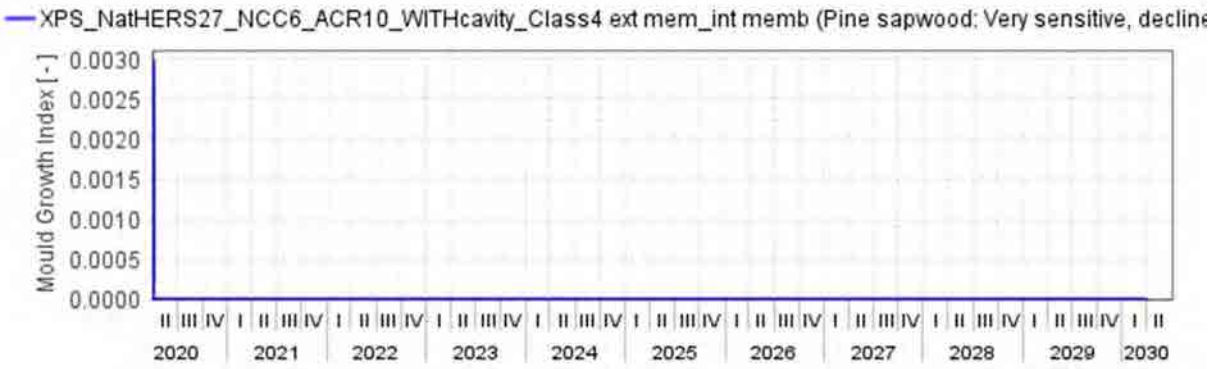

Figure 210: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

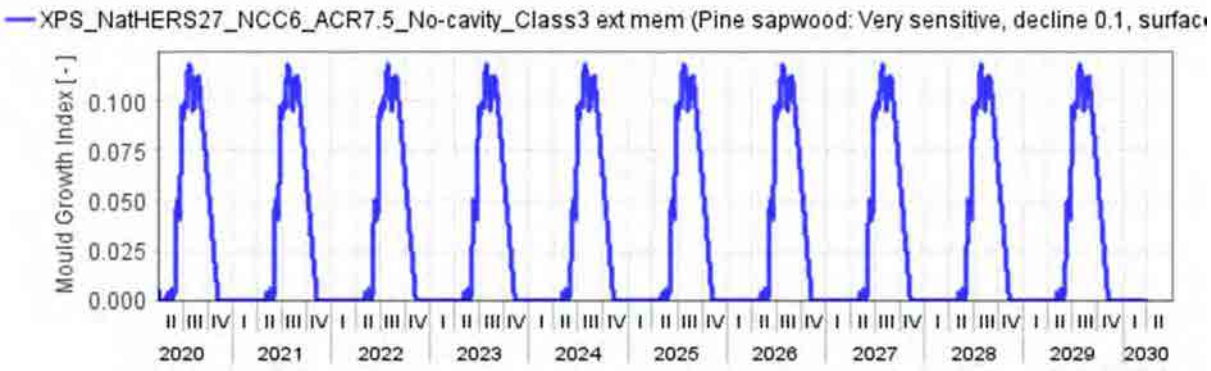

Figure 211: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

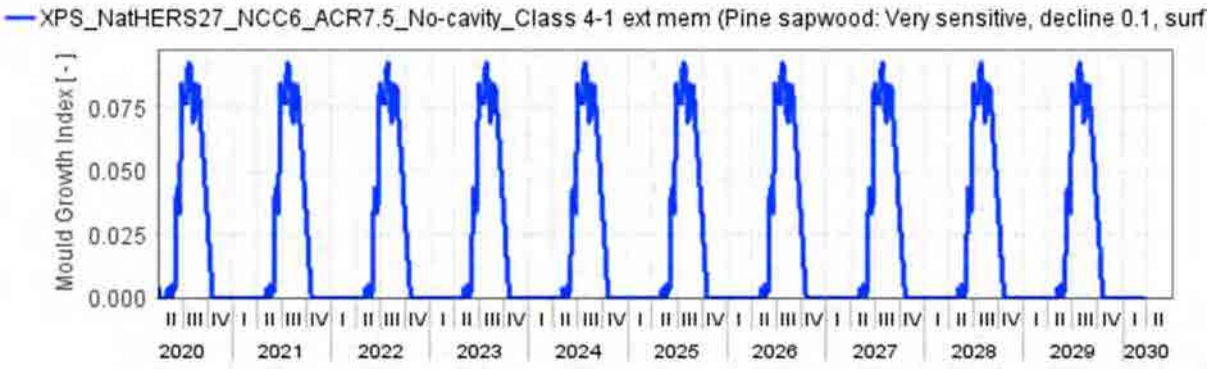

Figure 212: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

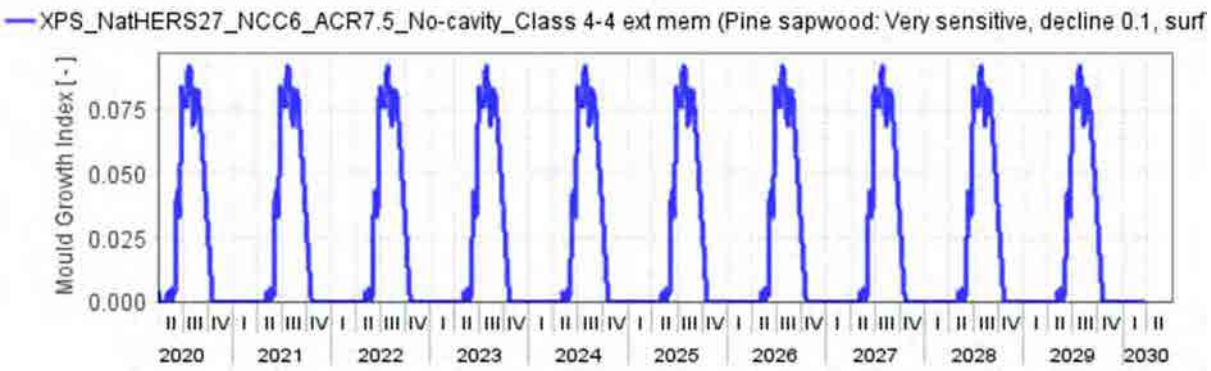

Figure 213 XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

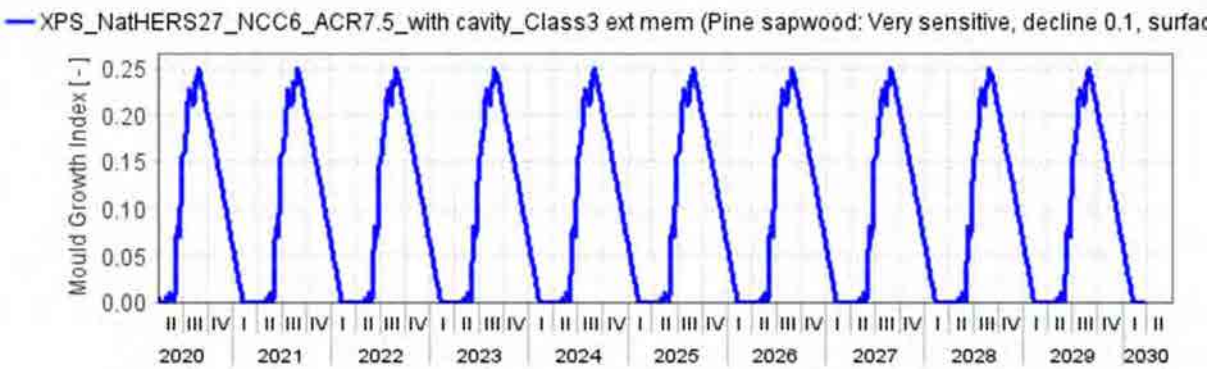

Figure 214: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

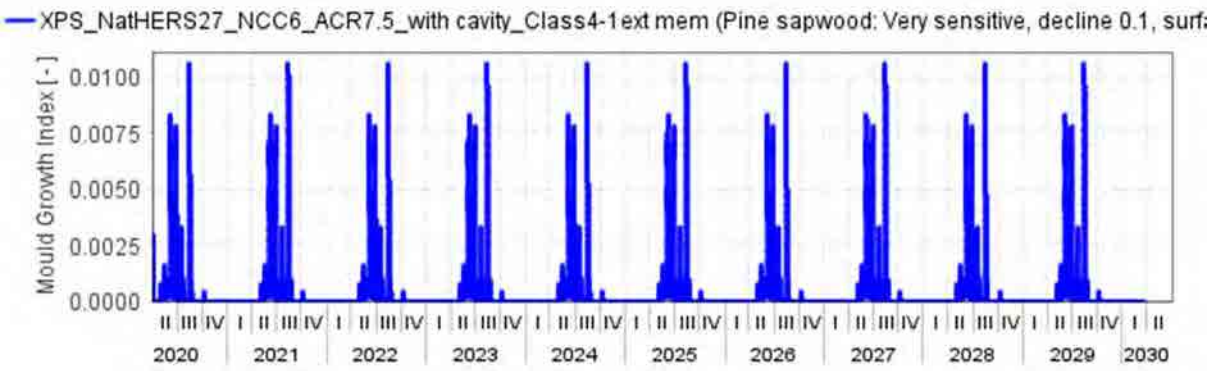

Figure 215: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

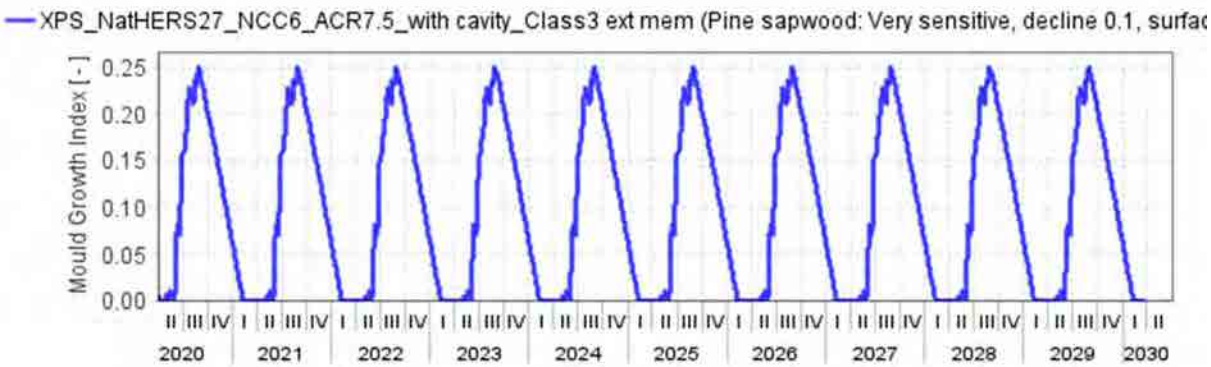

Figure 216: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

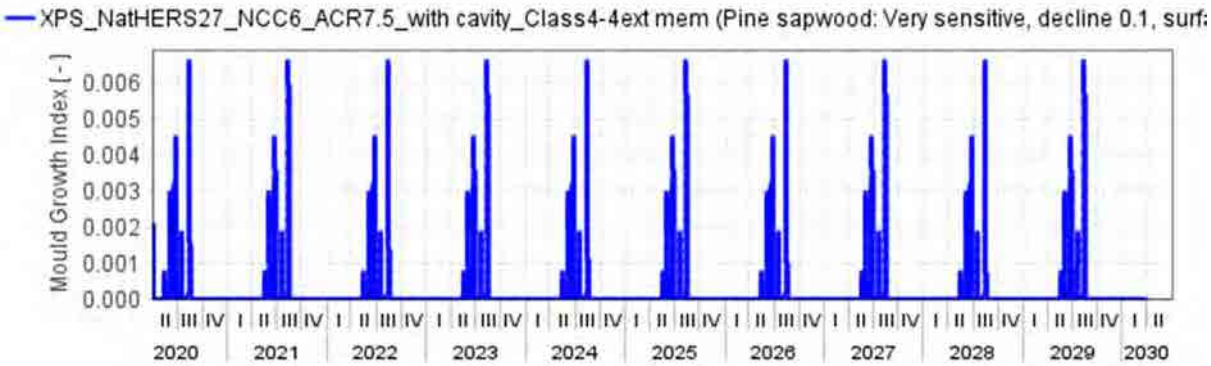

Figure 217: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

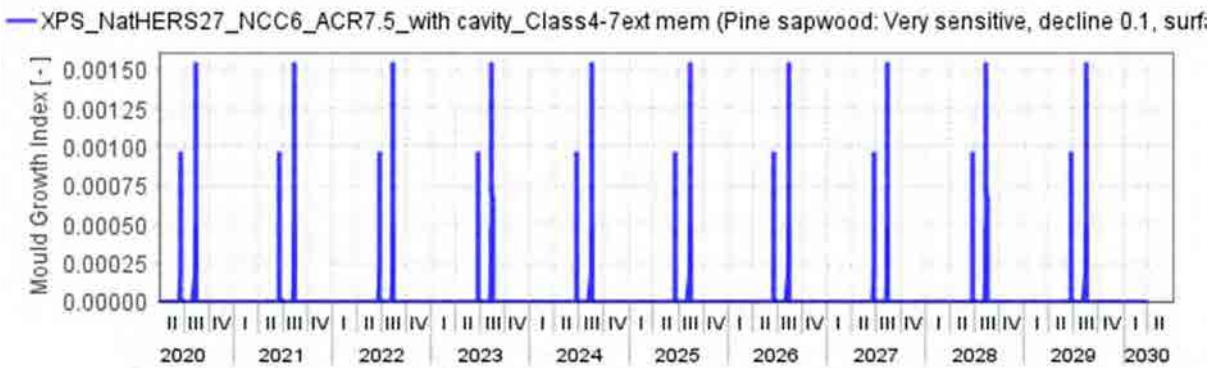

Figure 218: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

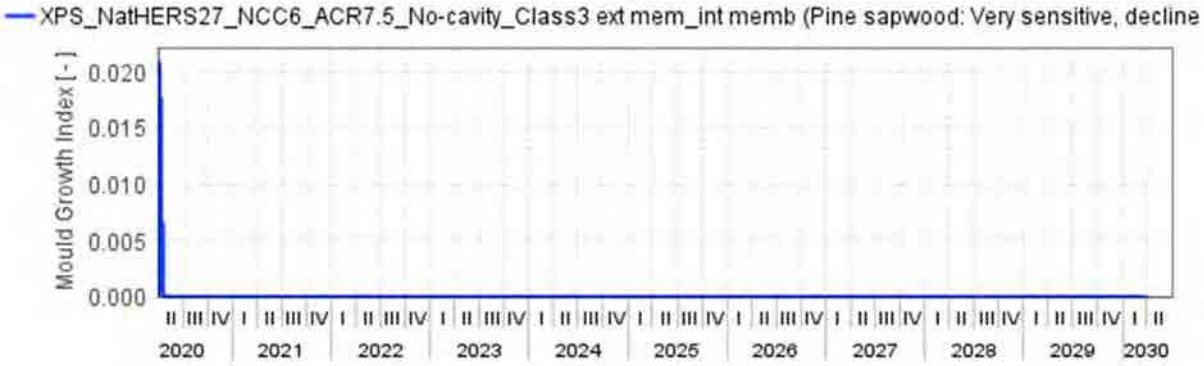

Figure 219: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

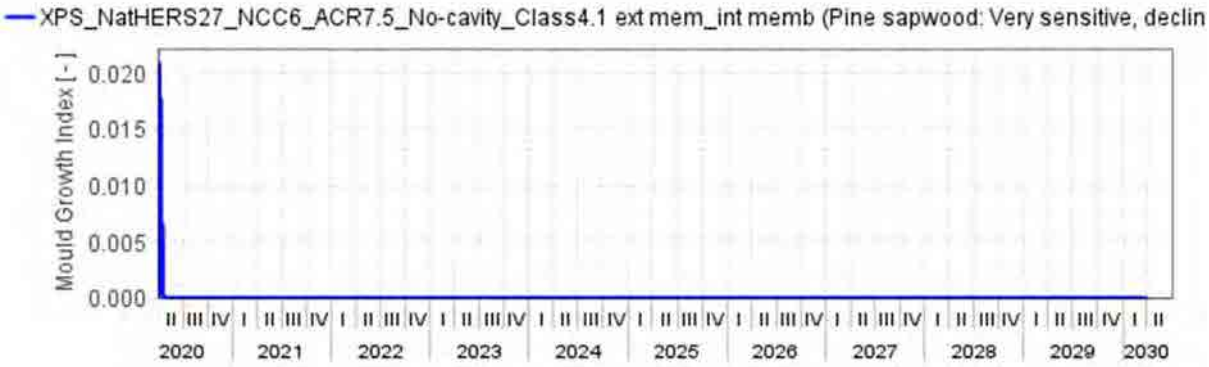

Figure 220: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

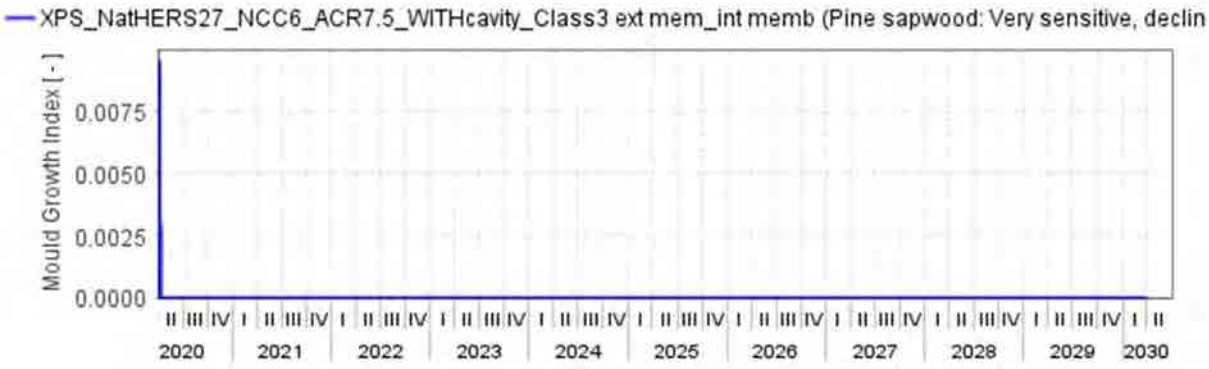

Figure 221: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

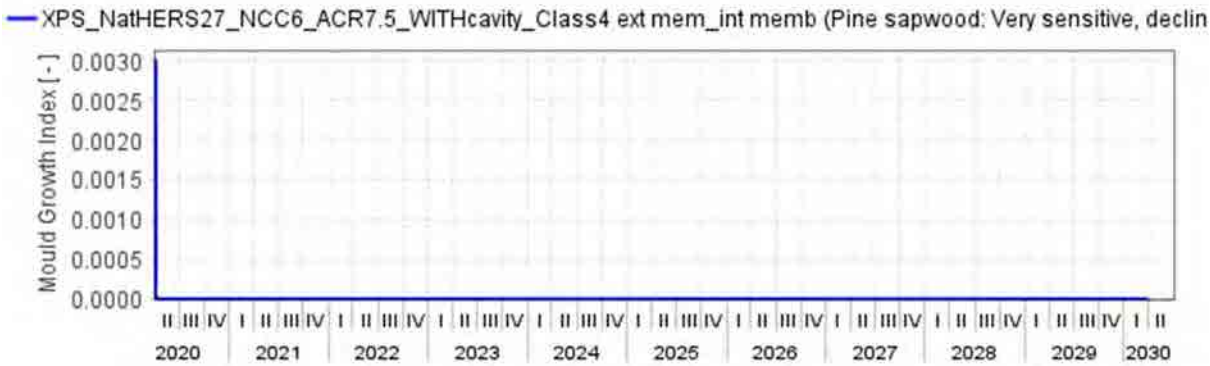

Figure 222: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

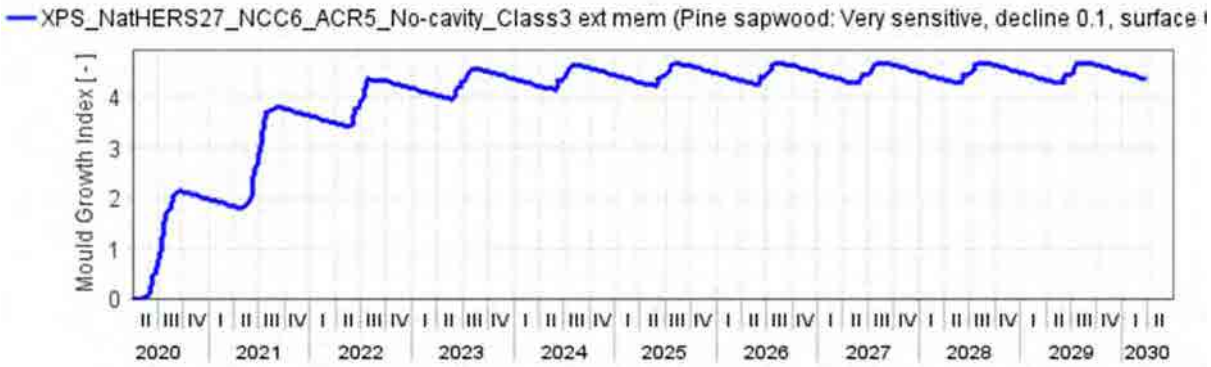

Figure 223: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

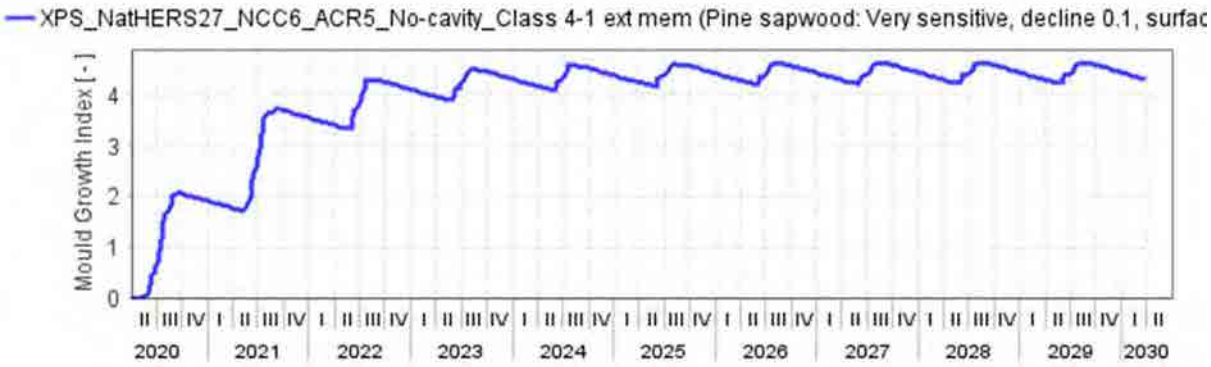

Figure 224: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

Figure 225 XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

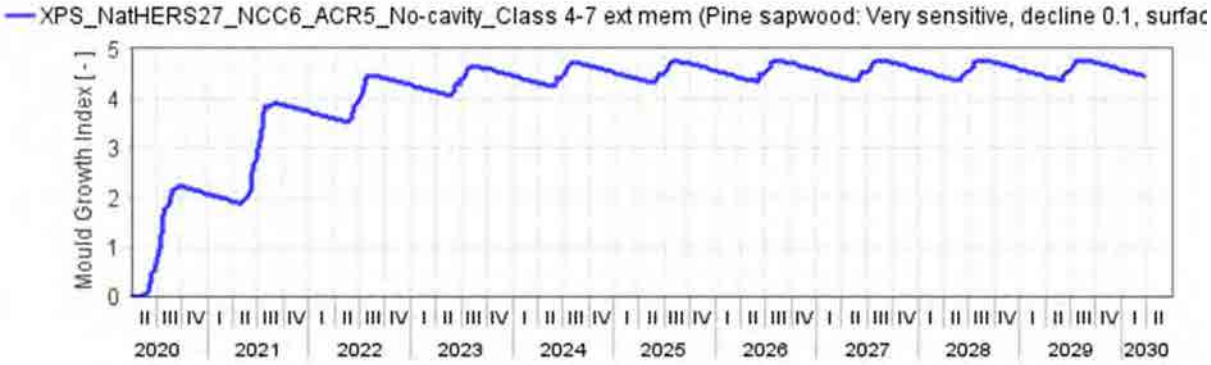

Figure 226: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

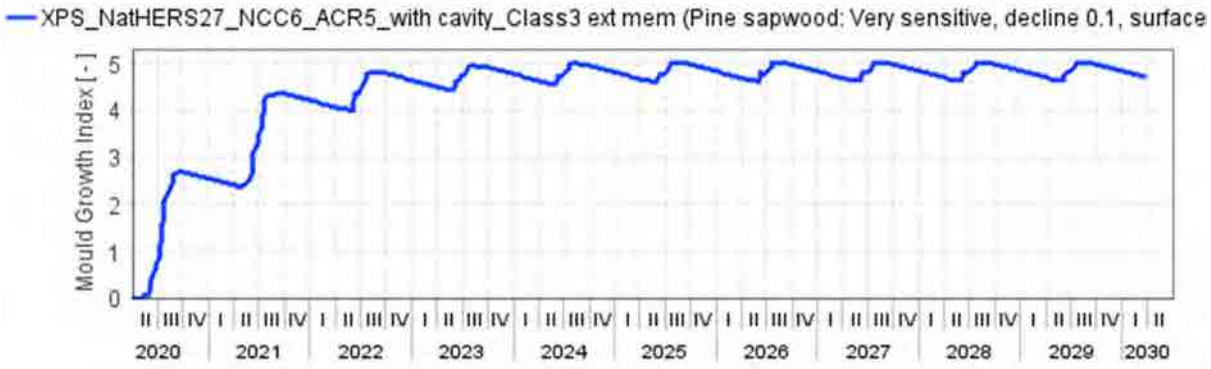

Figure 227: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

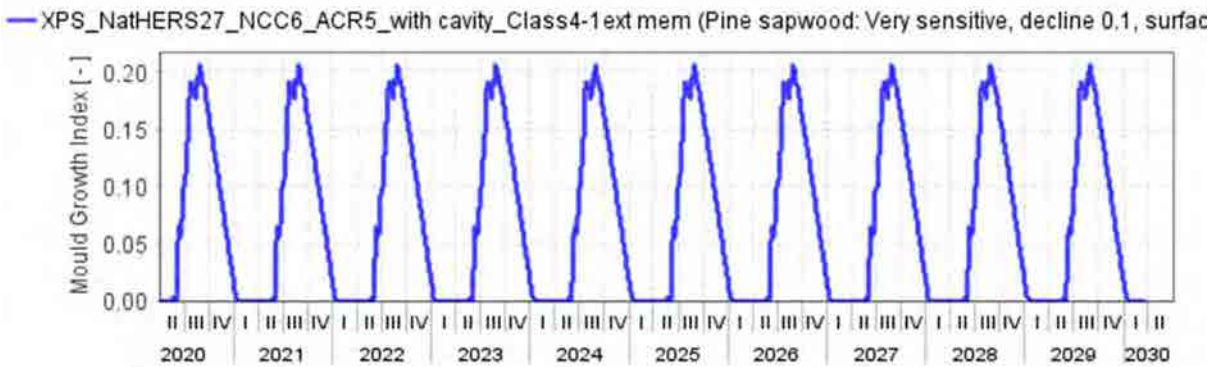

Figure 228: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5, With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

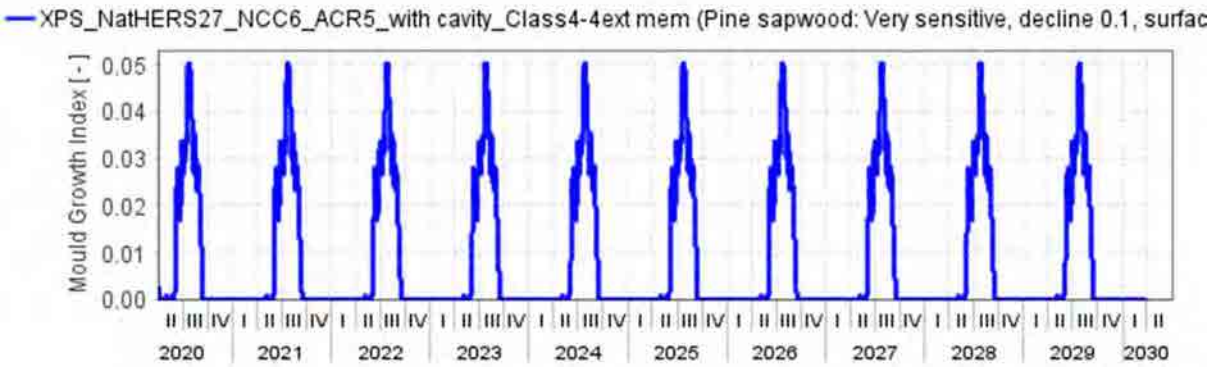

Figure 229: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

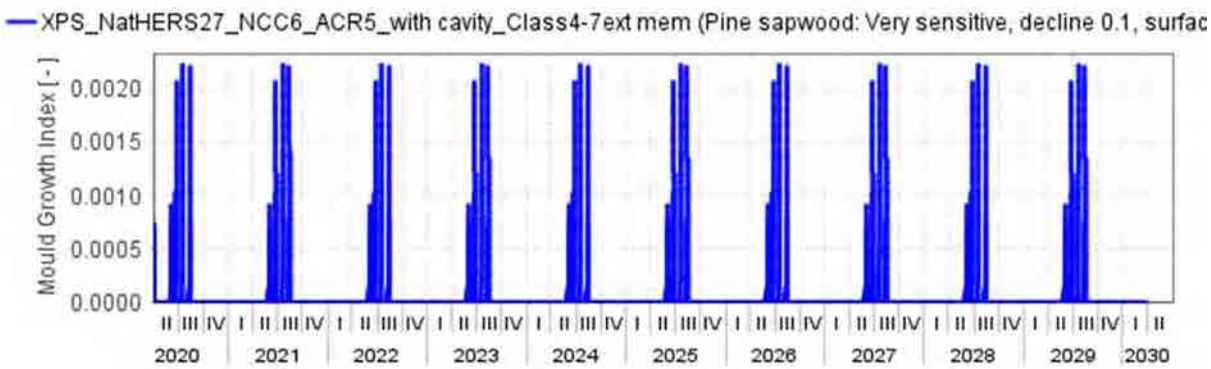

Figure 230: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

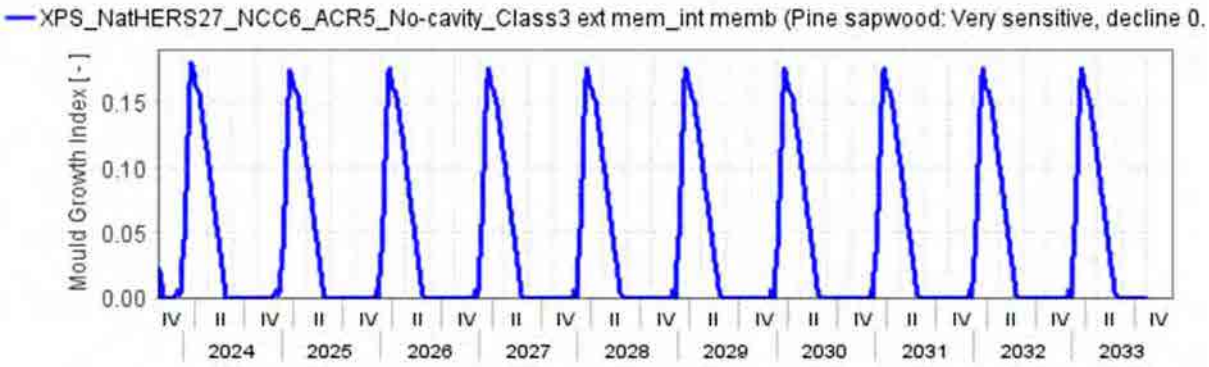

Figure 231: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. - Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

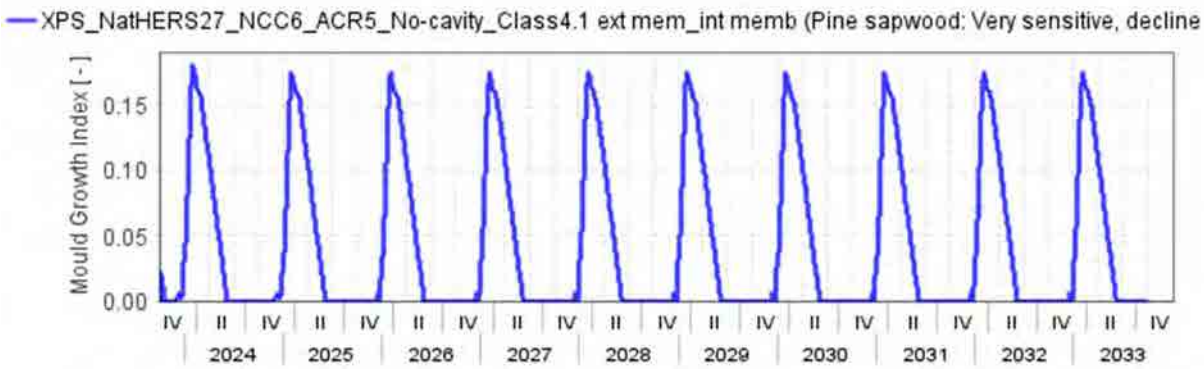

Figure 232: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

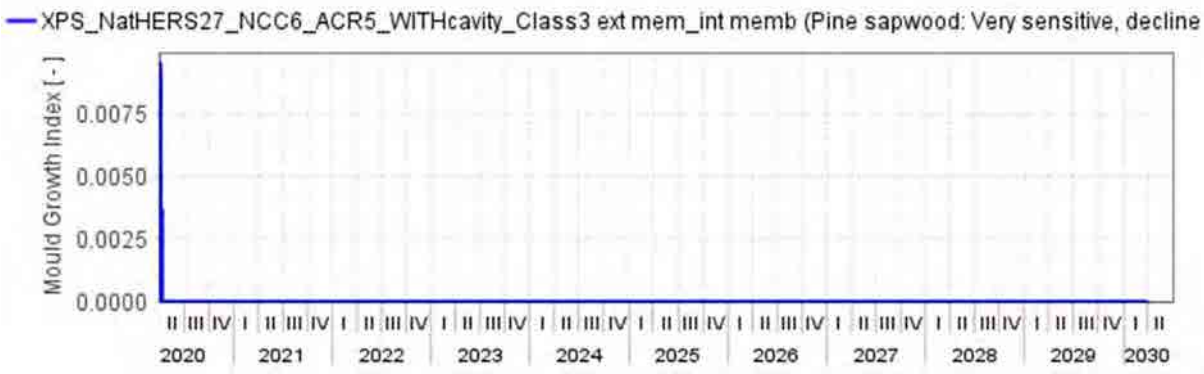

Figure 233: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. - Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

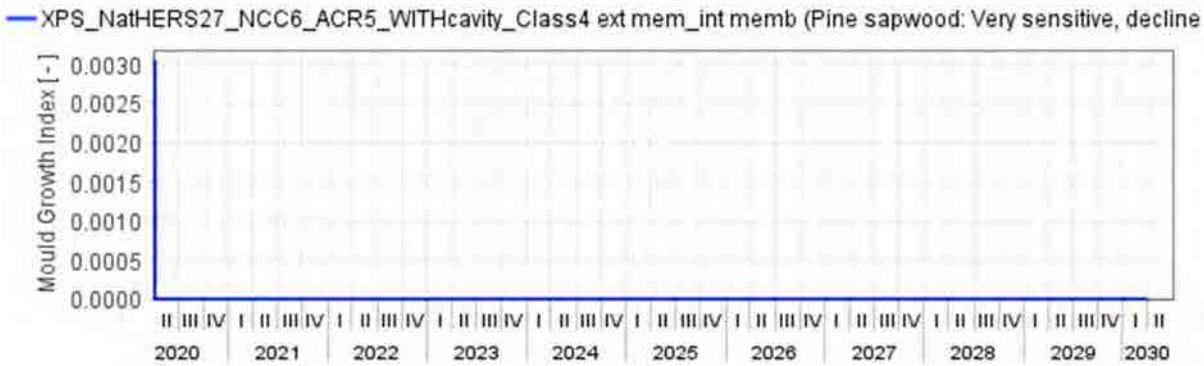

Figure 234: XPS NatHERS CZ 27 - NCC CZ 6 South orientation ACR 5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. - Mould growth within insulated timber frame

NatHERS CZ 60, NCC CZ6: 6 Star XPS cladding with insulated frame wall

CZ 60 ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

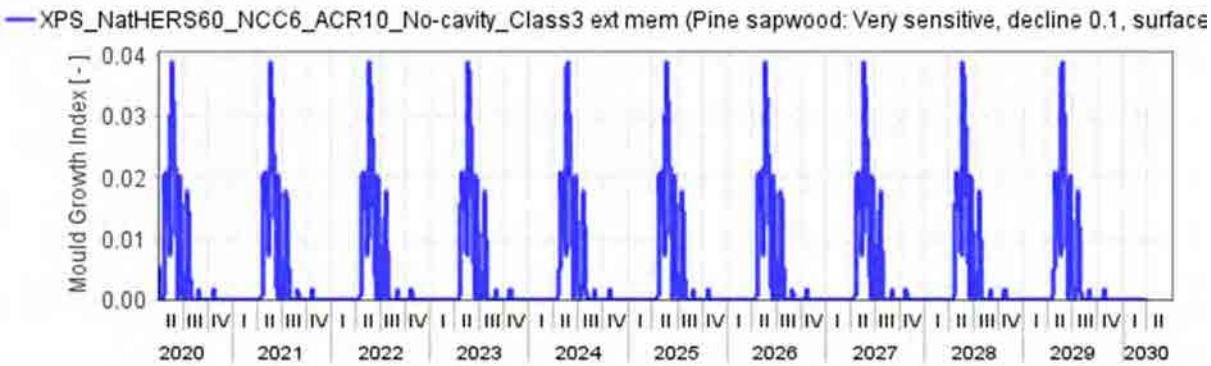

Figure 235: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

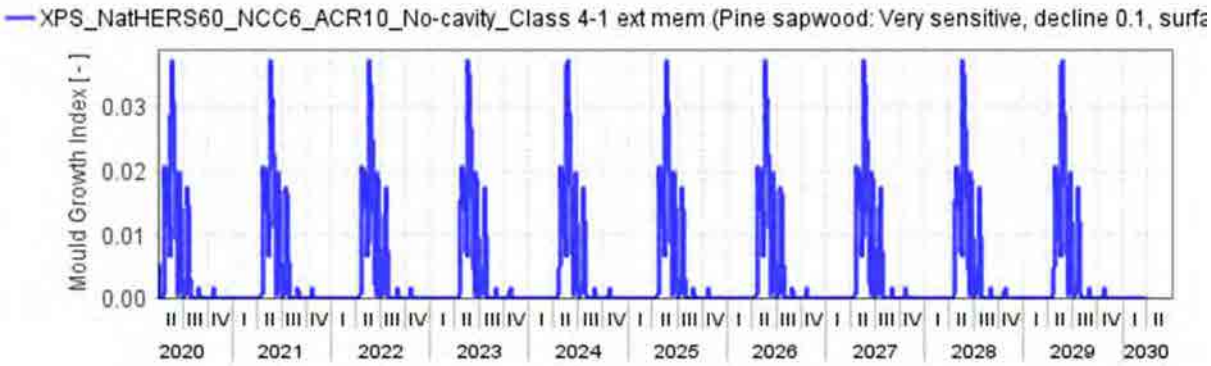

Figure 236: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

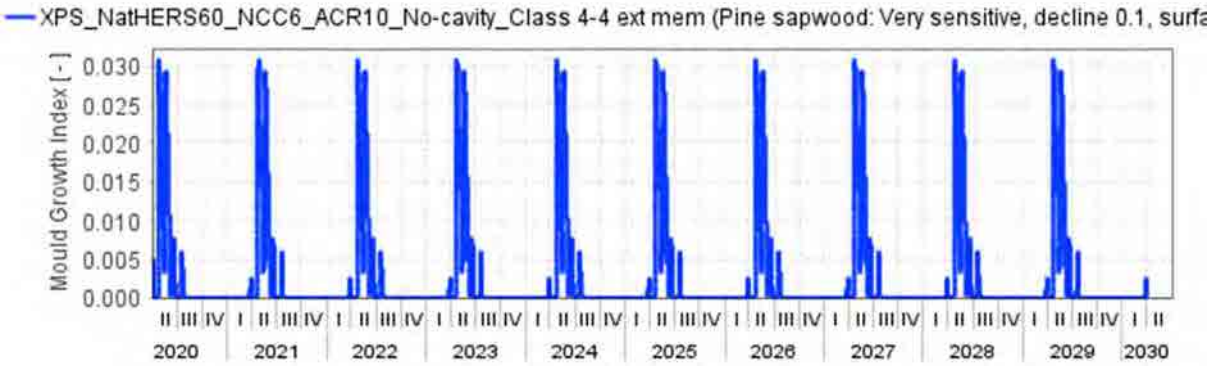

Figure 237 XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

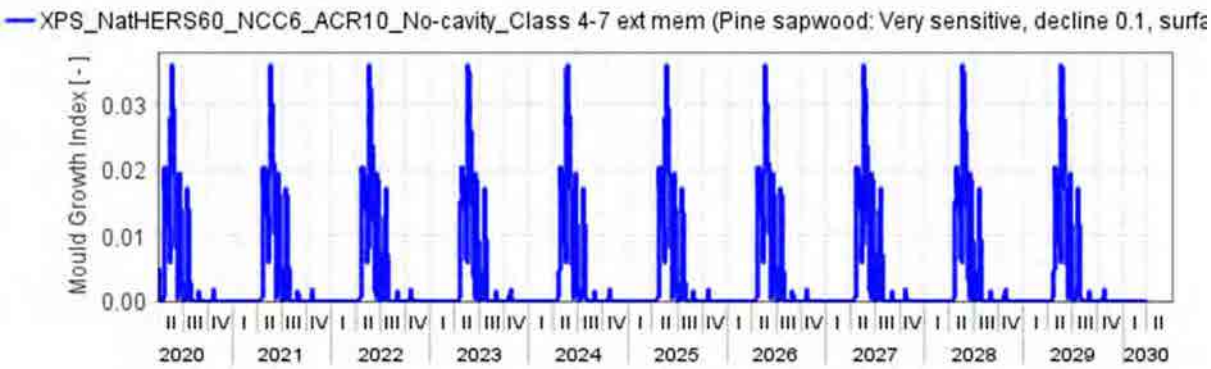

Figure 238: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

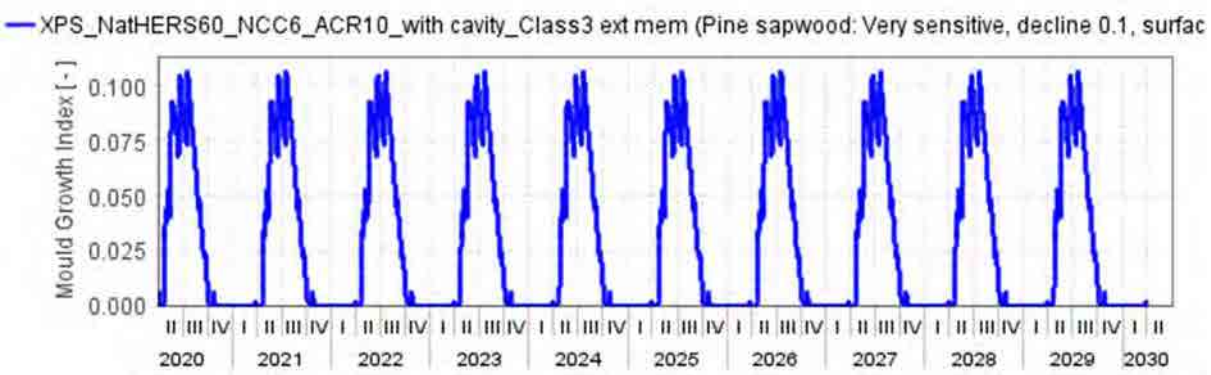

Figure 239: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 3 – 1398– Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

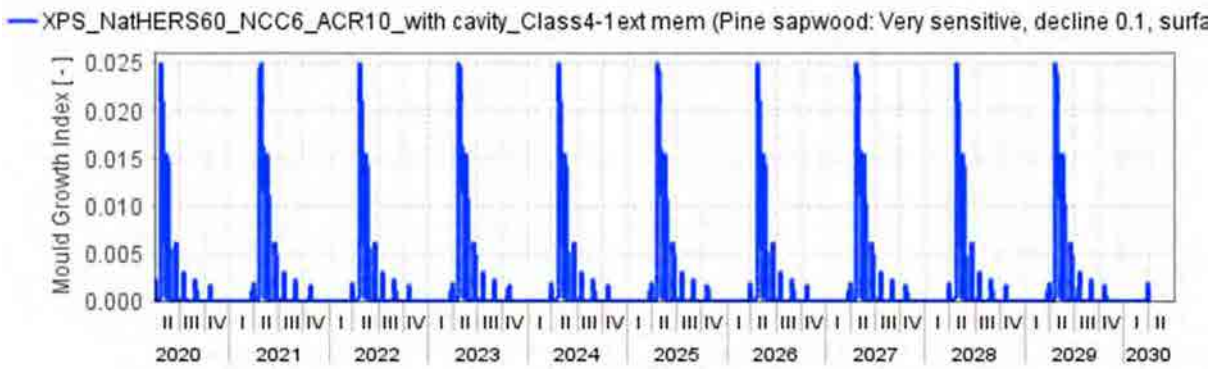

Figure 240: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

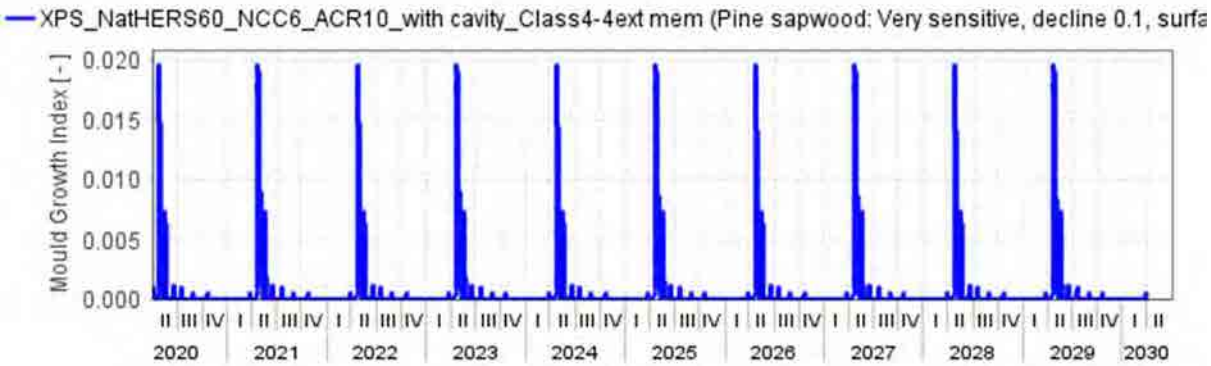

Figure 241: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

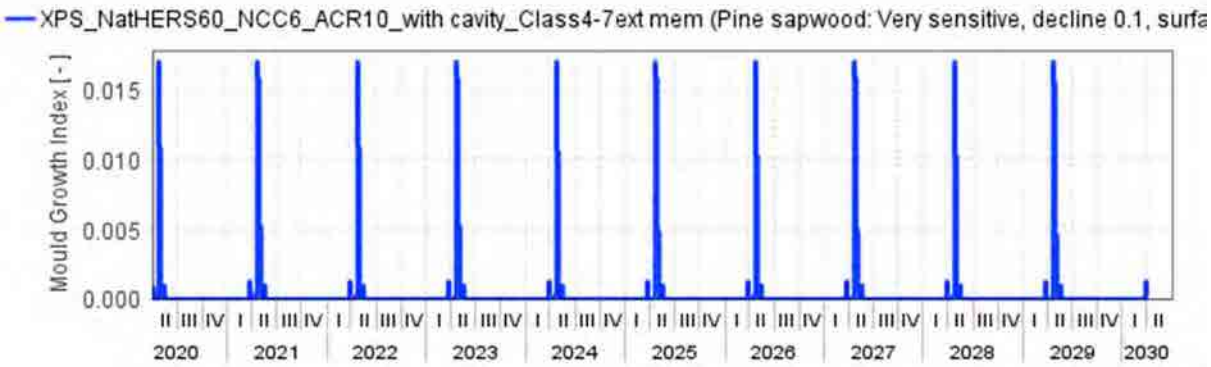

Figure 242: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

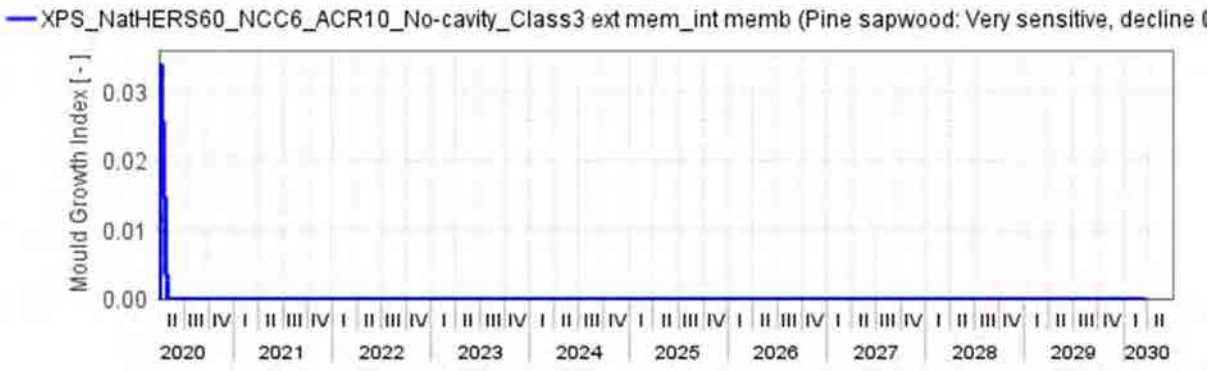

Figure 243: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

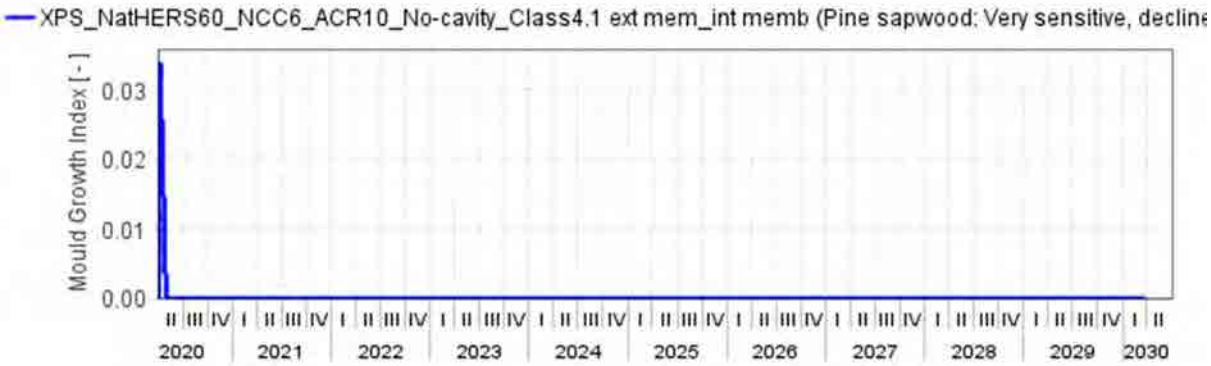

Figure 244: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

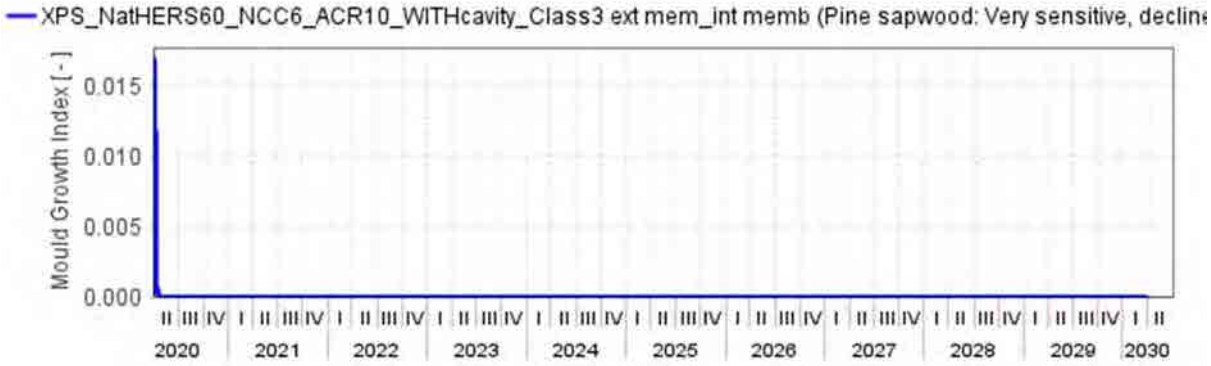

Figure 245: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

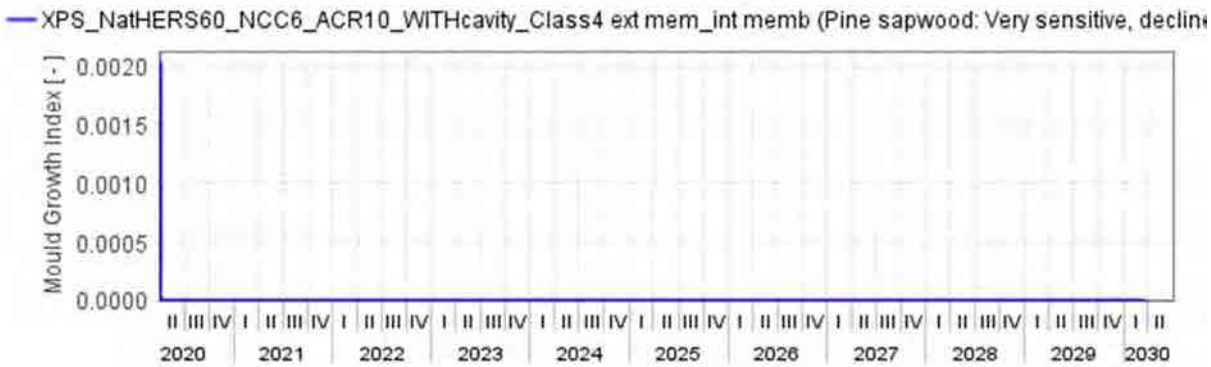

Figure 246: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

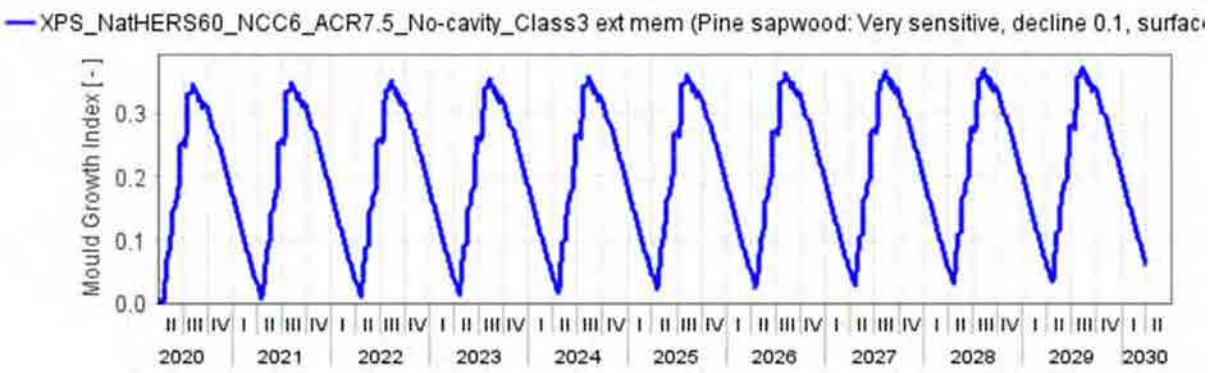

Figure 247: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

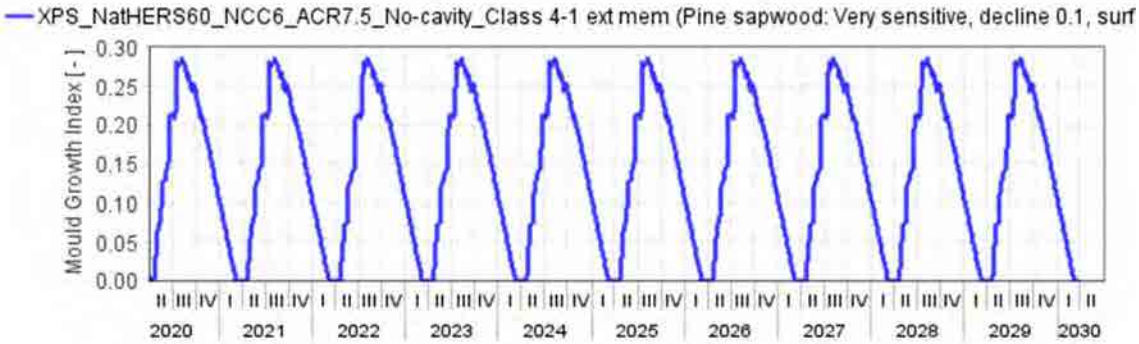

Figure 248: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

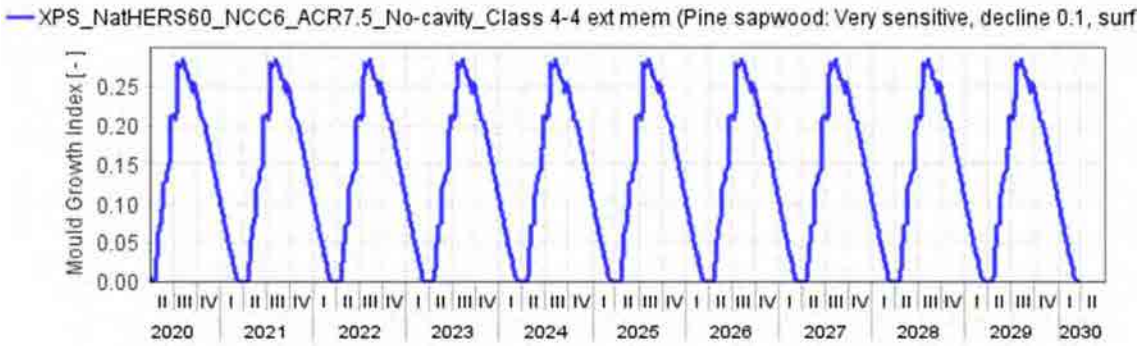

Figure 249 XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

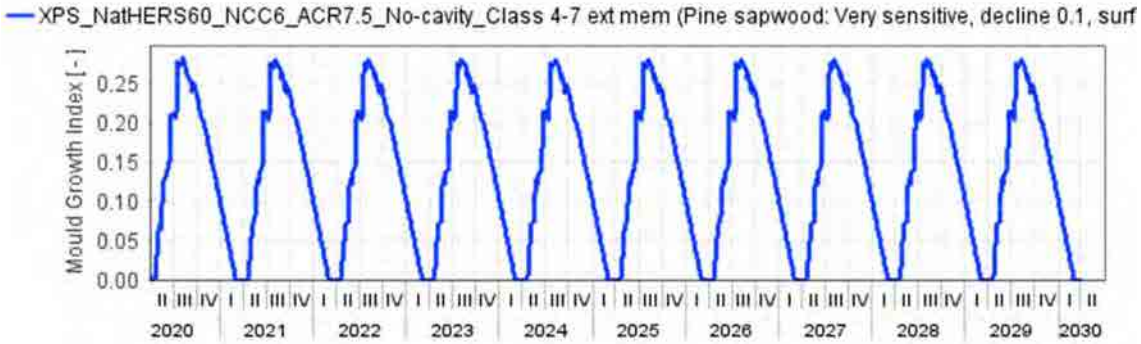

Figure 250: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5, No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

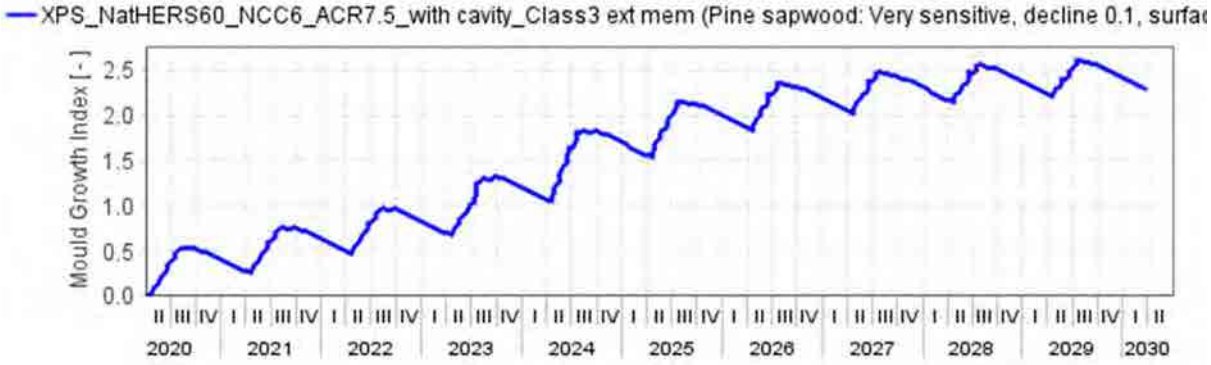

Figure 251: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

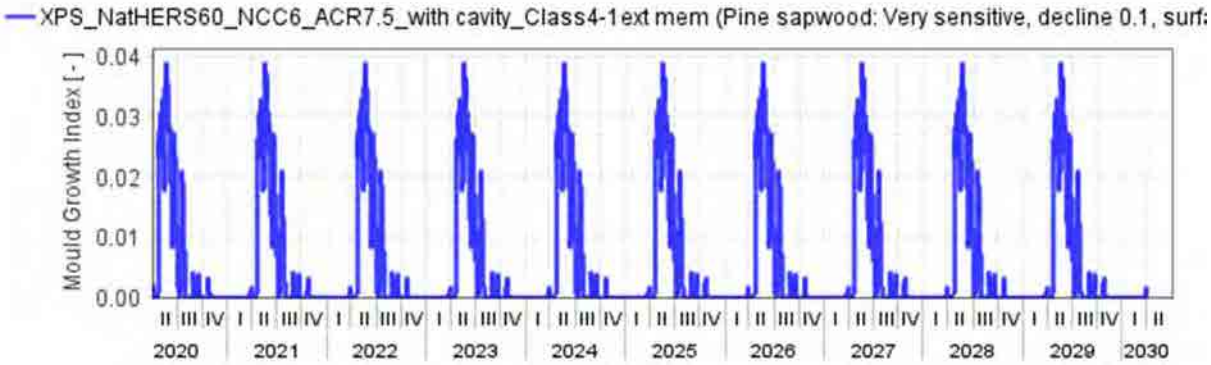

Figure 252: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

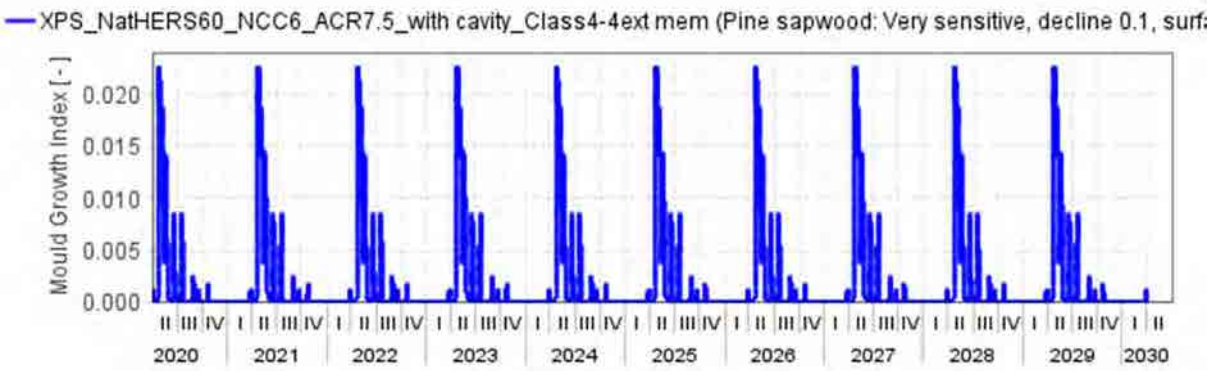

Figure 253: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

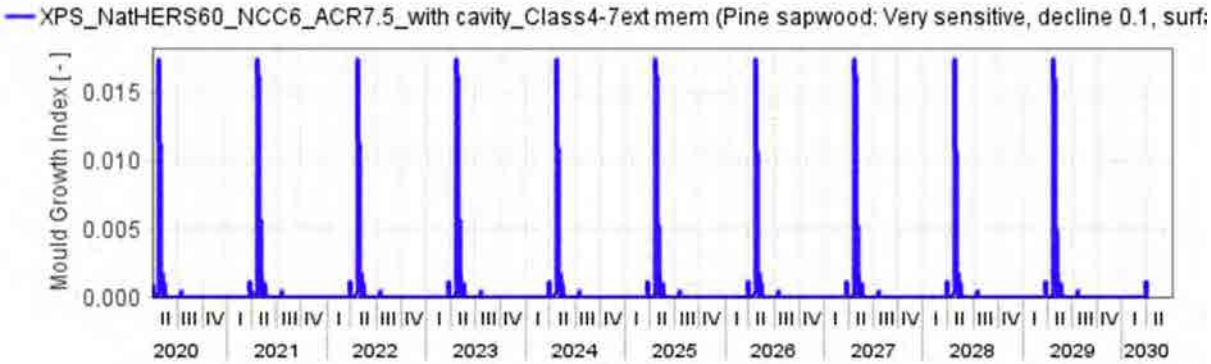

Figure 254: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

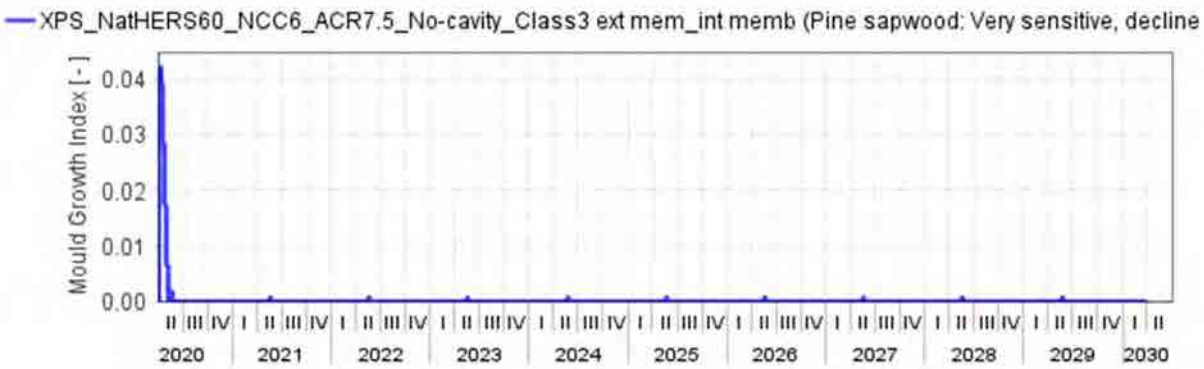

Figure 255: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

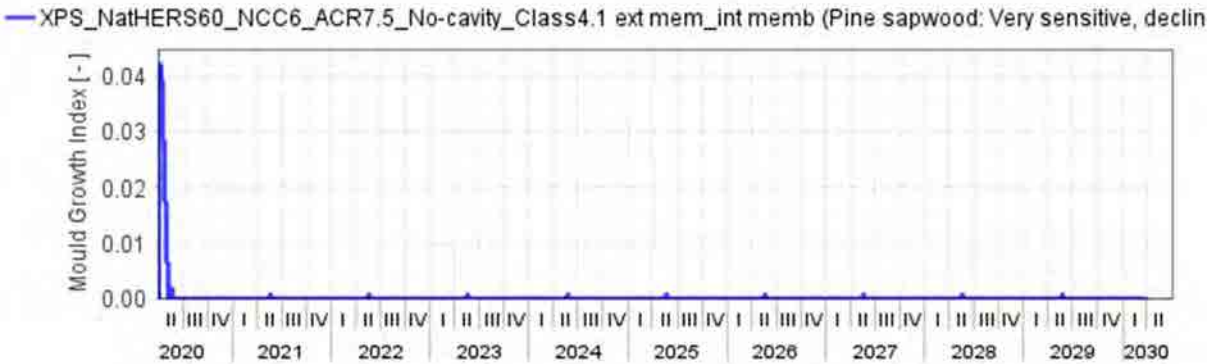

Figure 256: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

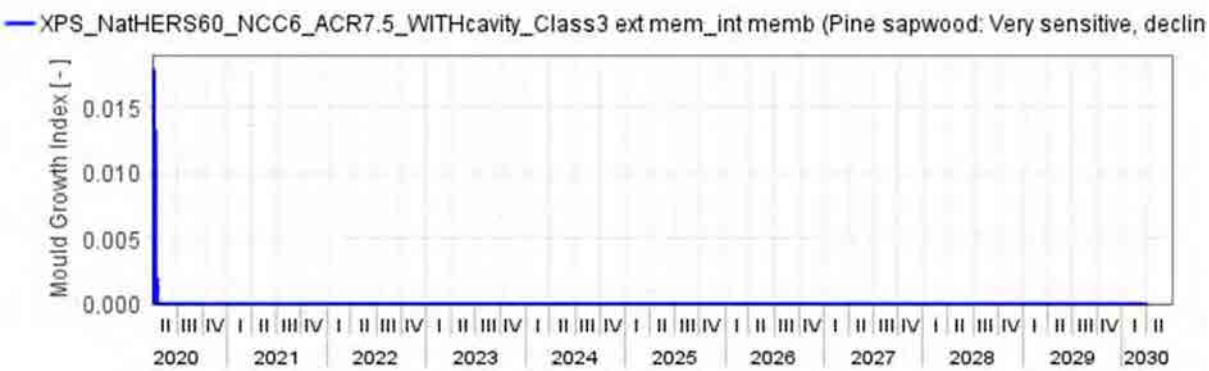

Figure 257: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

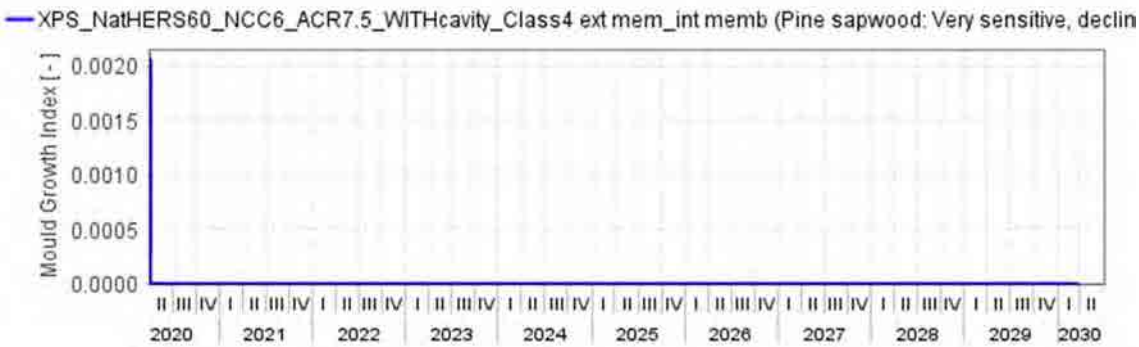

Figure 258: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

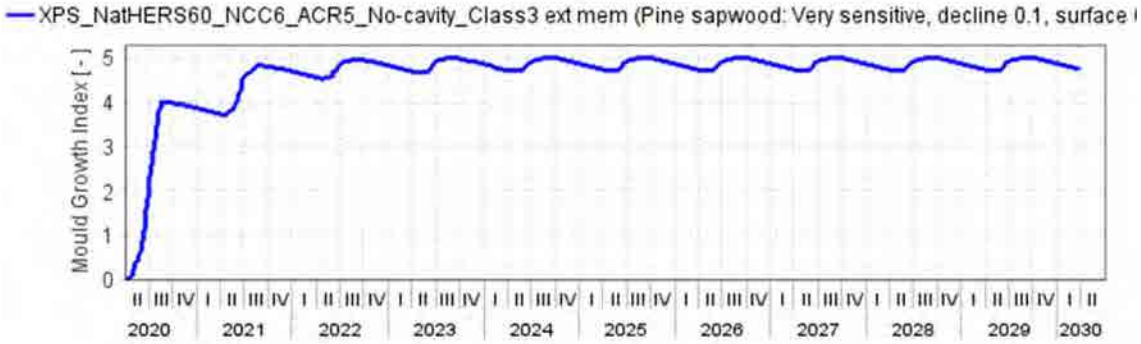

Figure 259: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

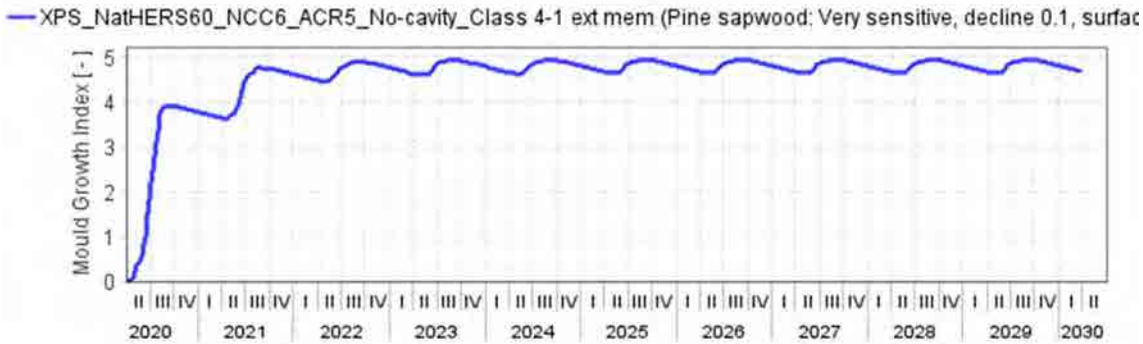

Figure 260: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

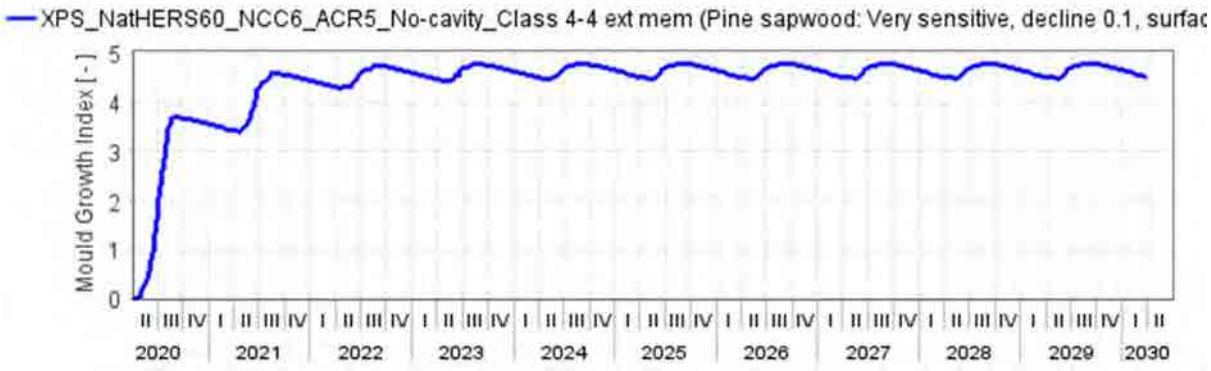

Figure 261 XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

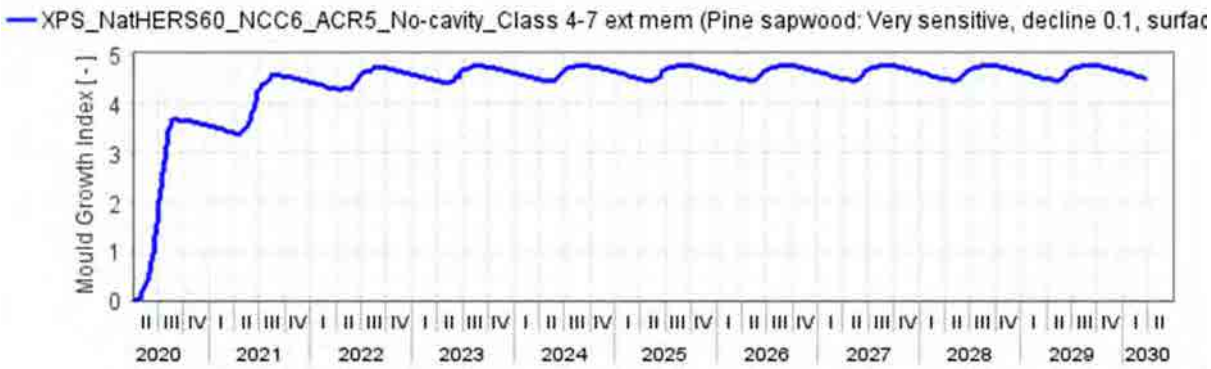

Figure 262: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

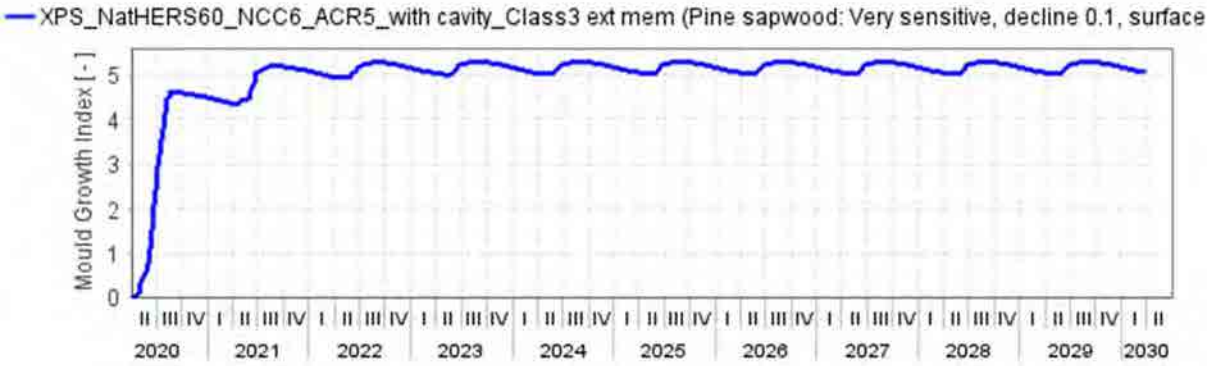

Figure 263: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

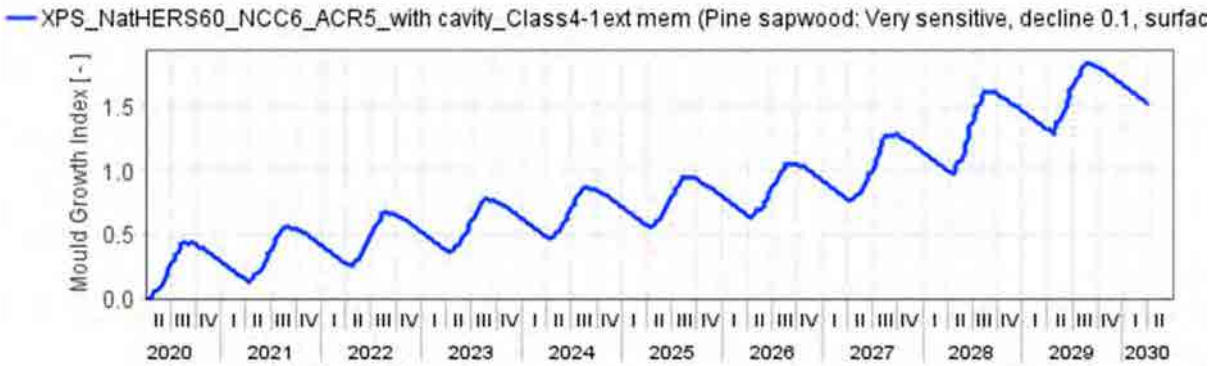

Figure 264: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

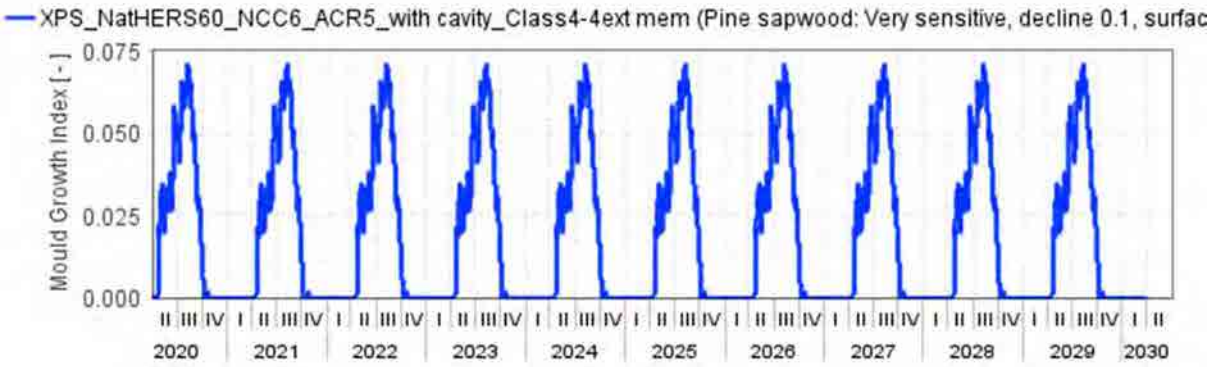

Figure 265: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

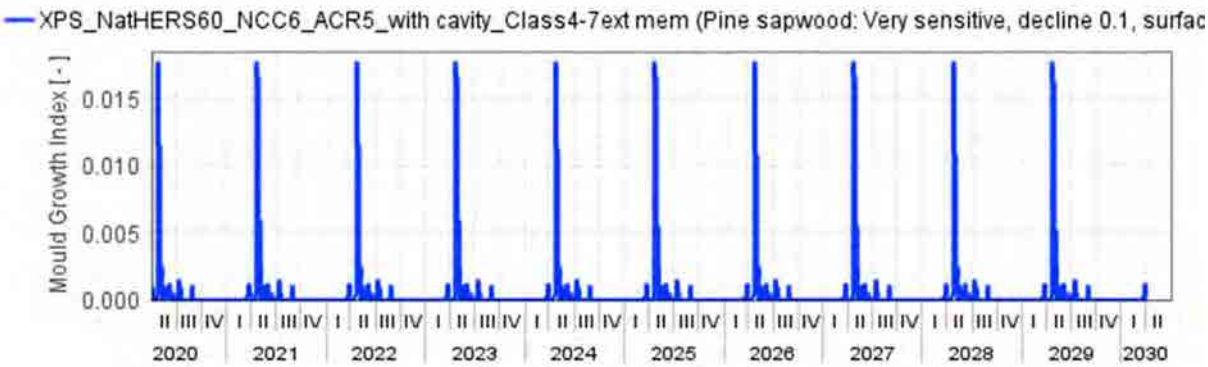

Figure 266: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

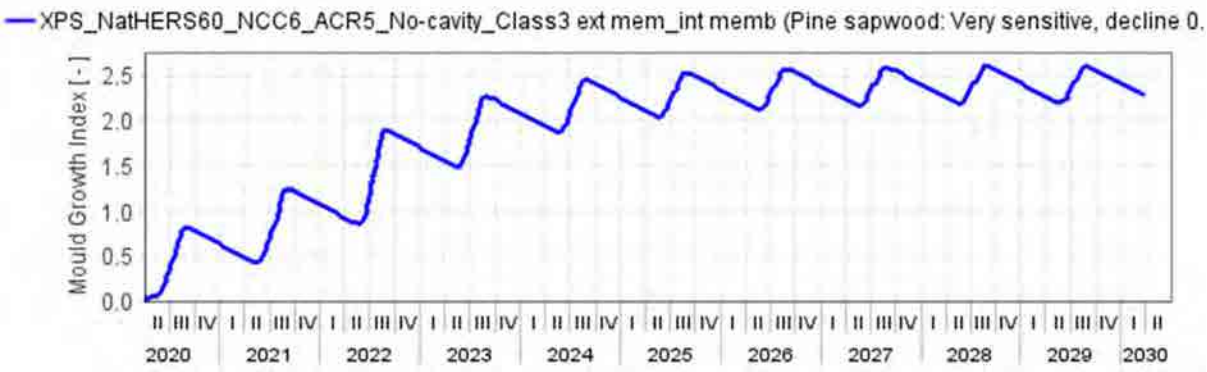

Figure 267: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

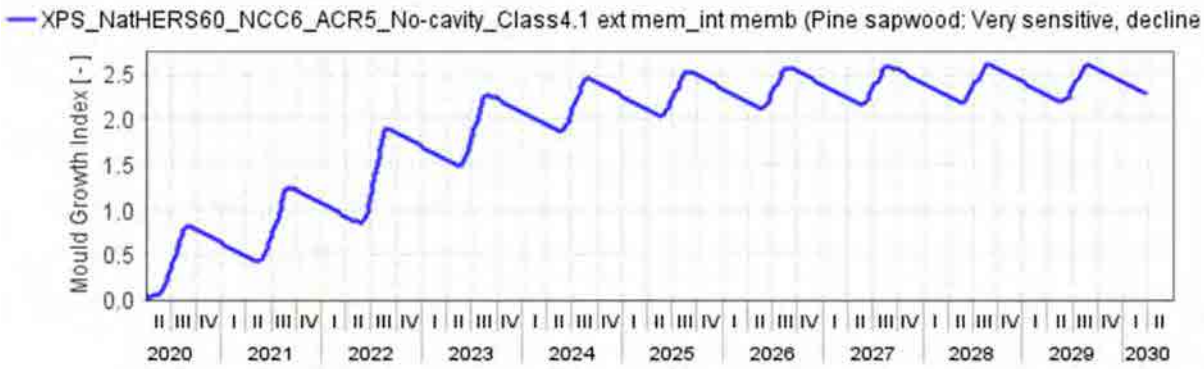

Figure 268: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb –Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

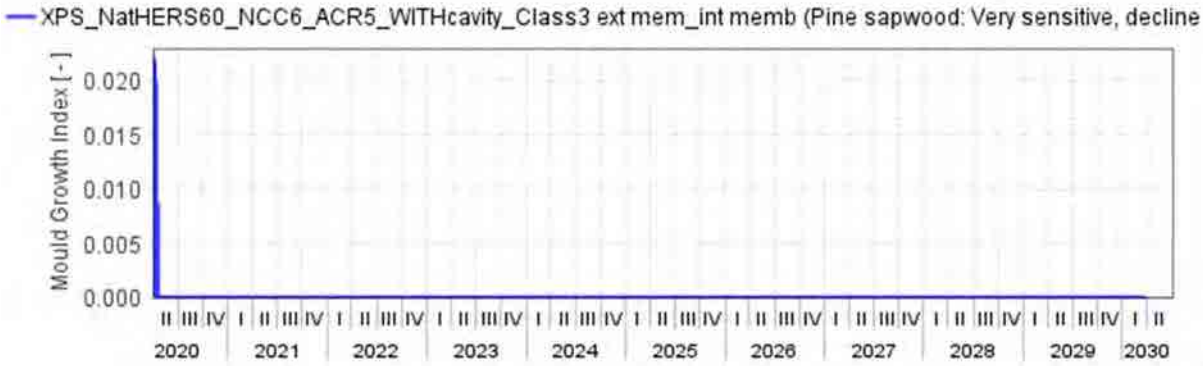

Figure 269: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

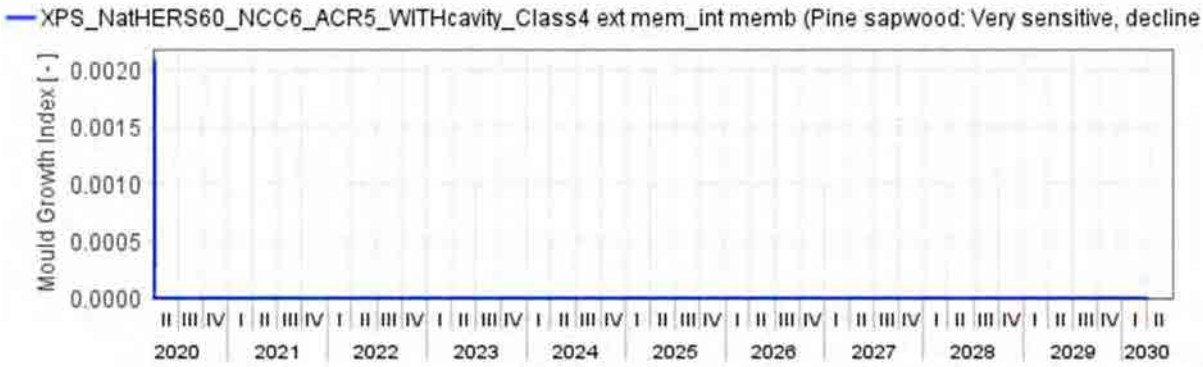

Figure 270: XPS NatHERS CZ 60 - NCC CZ 6 South orientation ACR 5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

NatHERS CZ 61, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

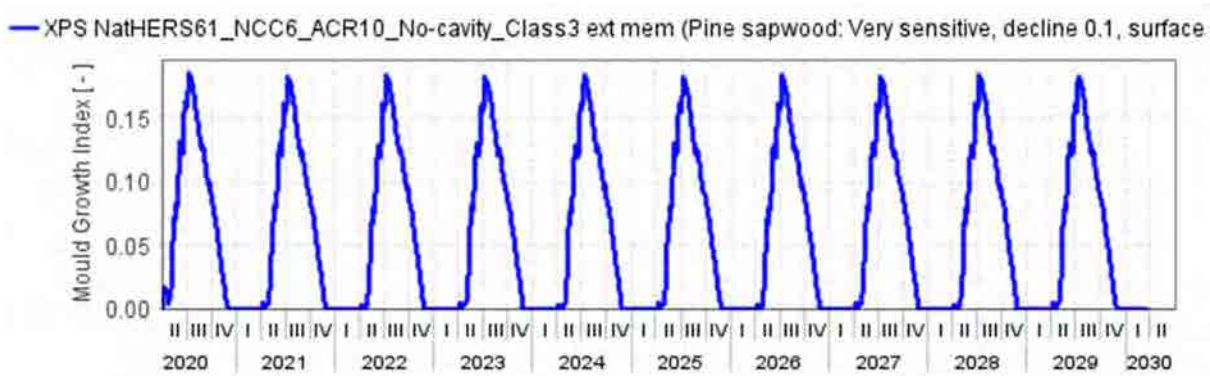

Figure 271: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

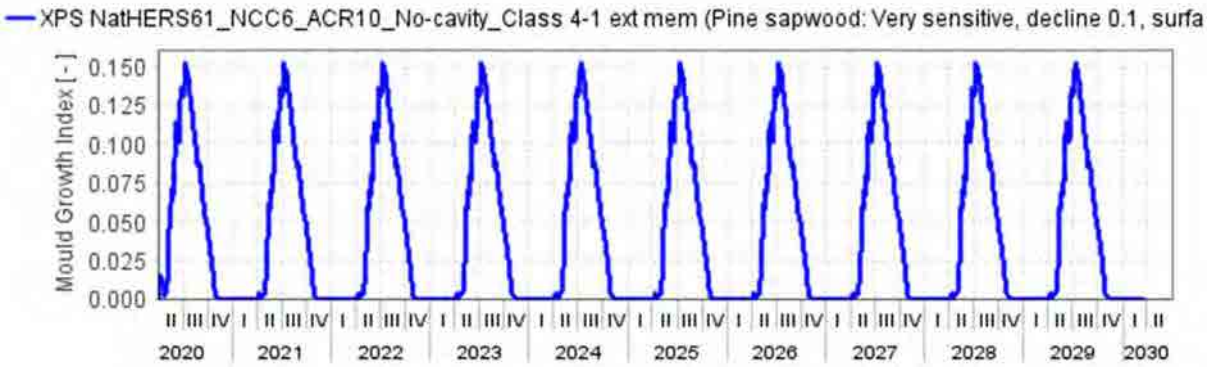

Figure 272: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

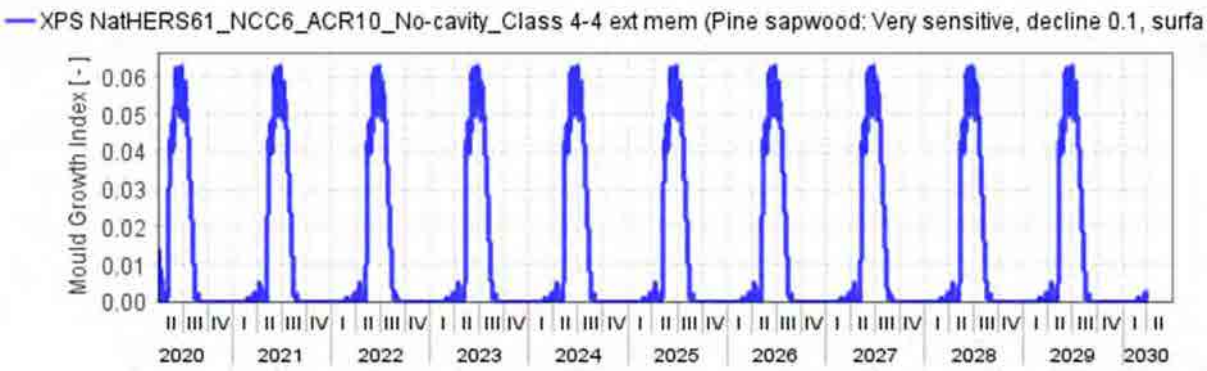

Figure 273: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

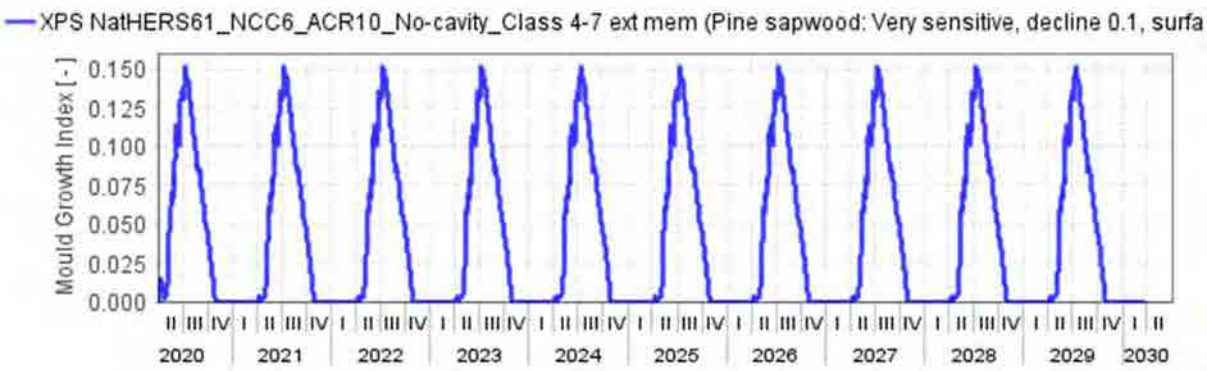

Figure 274: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timbe r frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

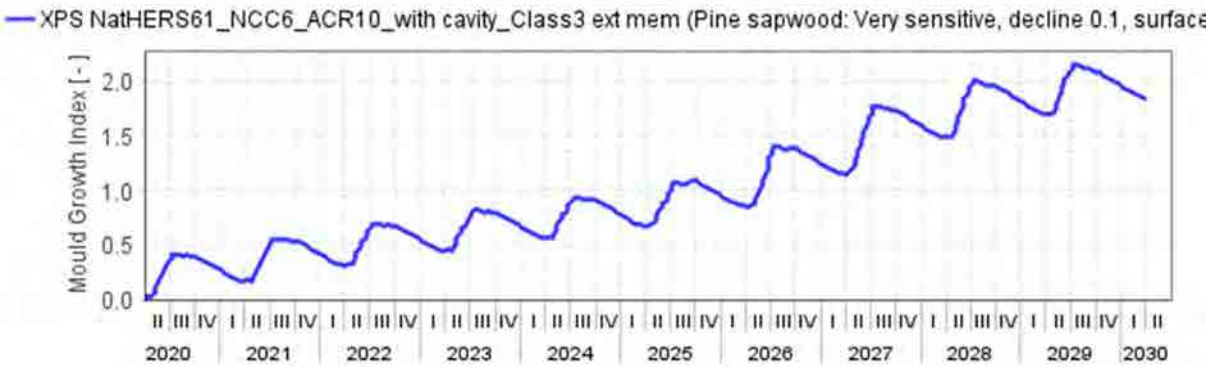

Figure 275: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10, With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

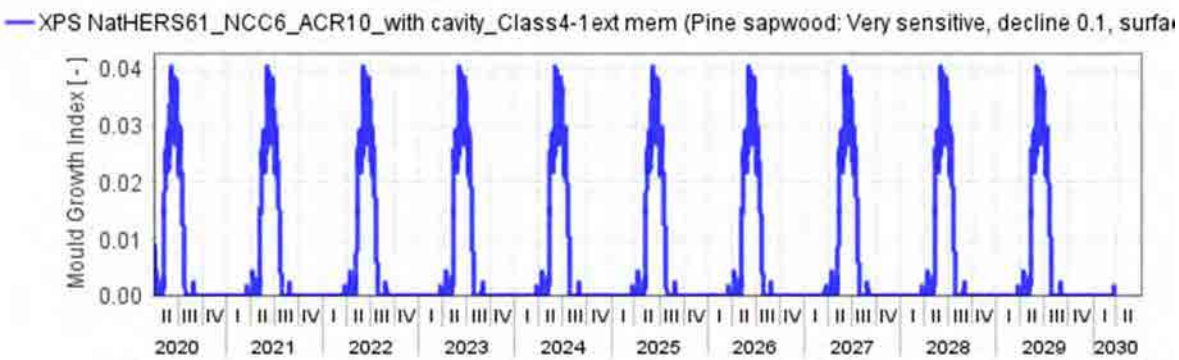

Figure 276: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

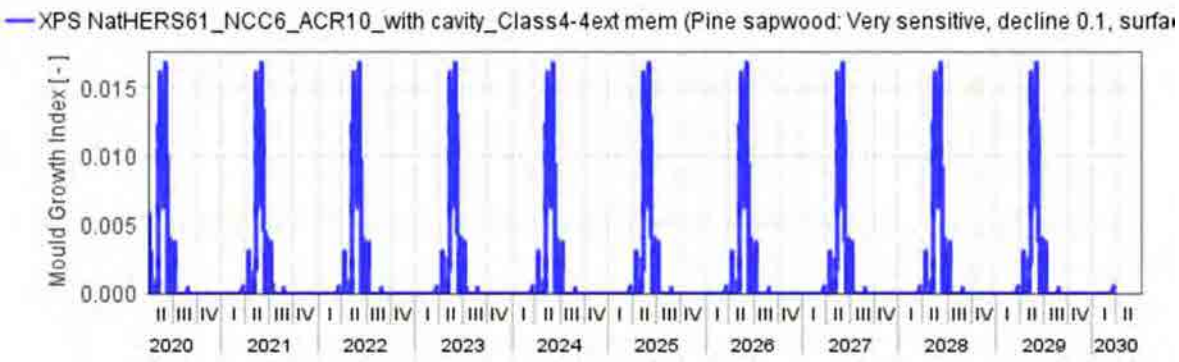

Figure 277: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

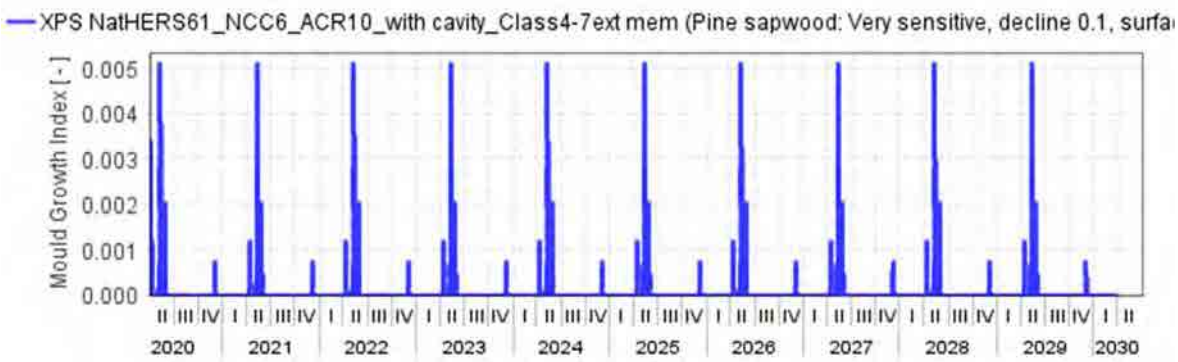

Figure 278: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10, With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

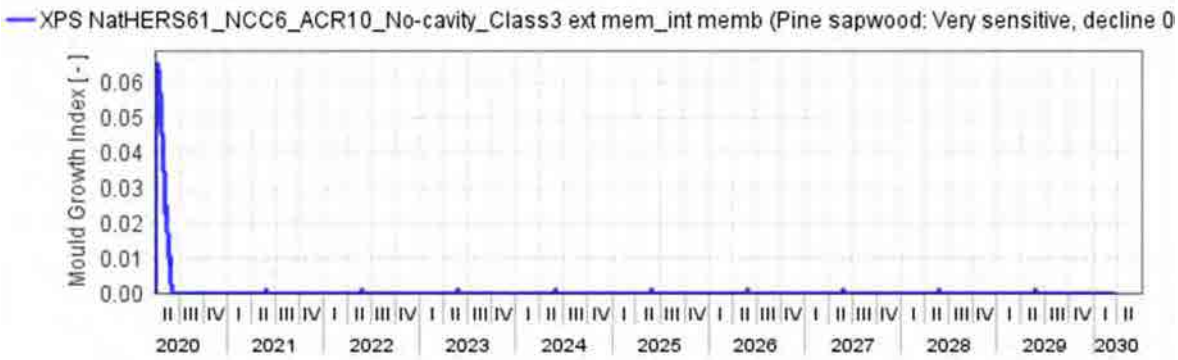

Figure 279: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

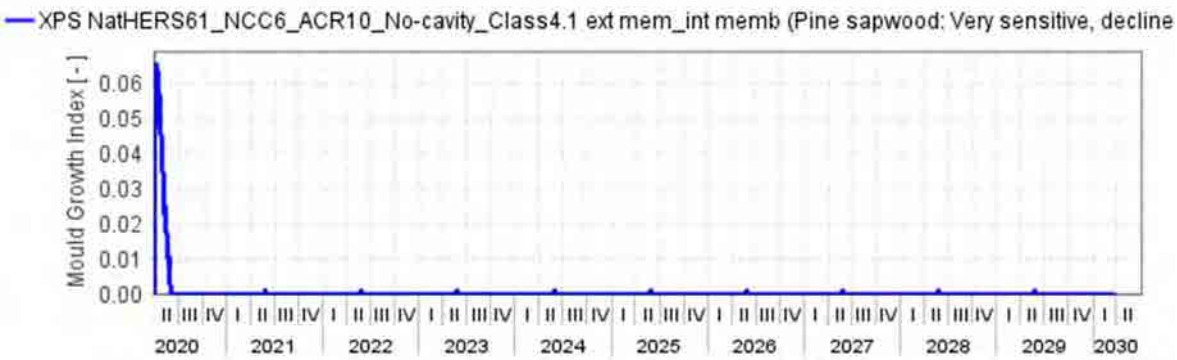

Figure 280: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

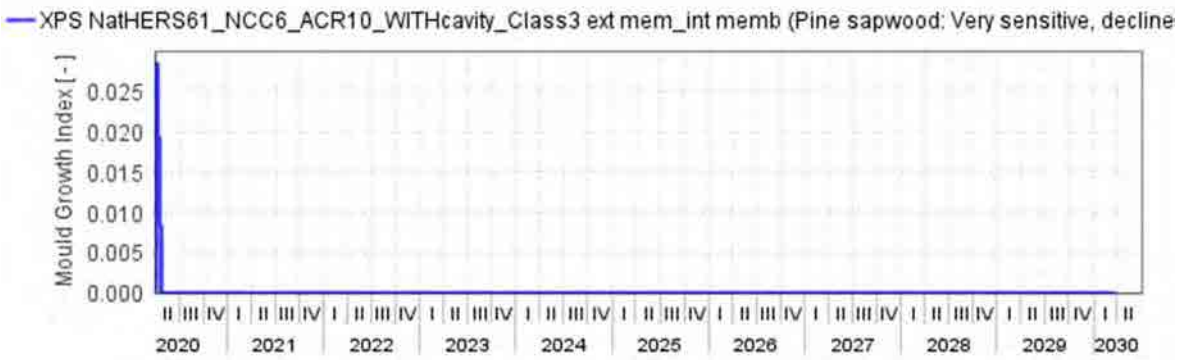

Figure 281: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10, With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

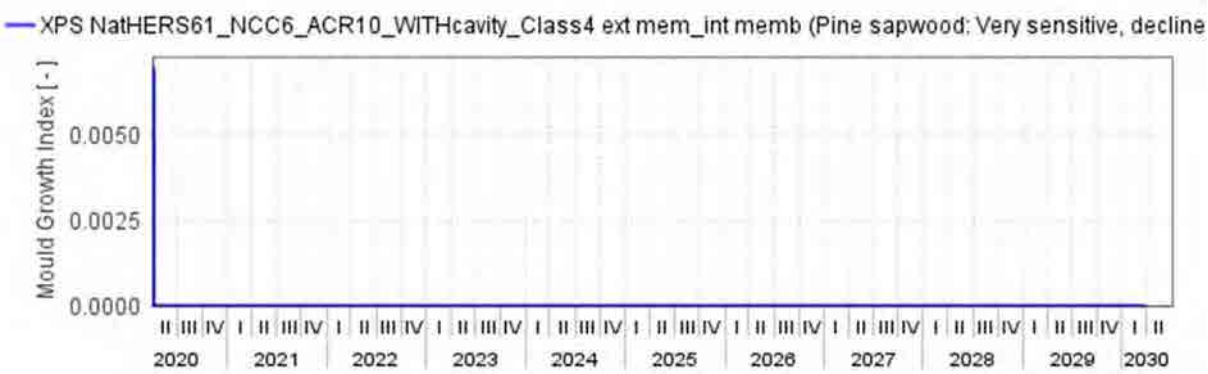

Figure 282: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 10, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb – Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

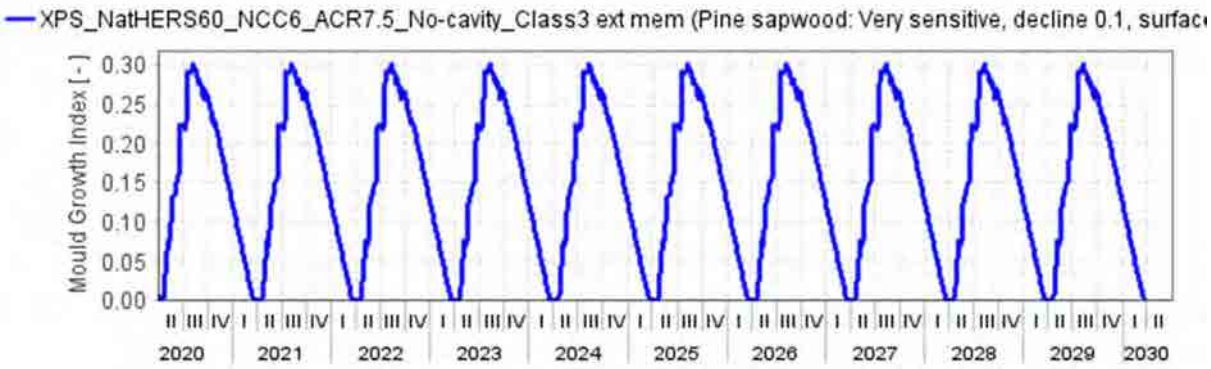

Figure 283: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

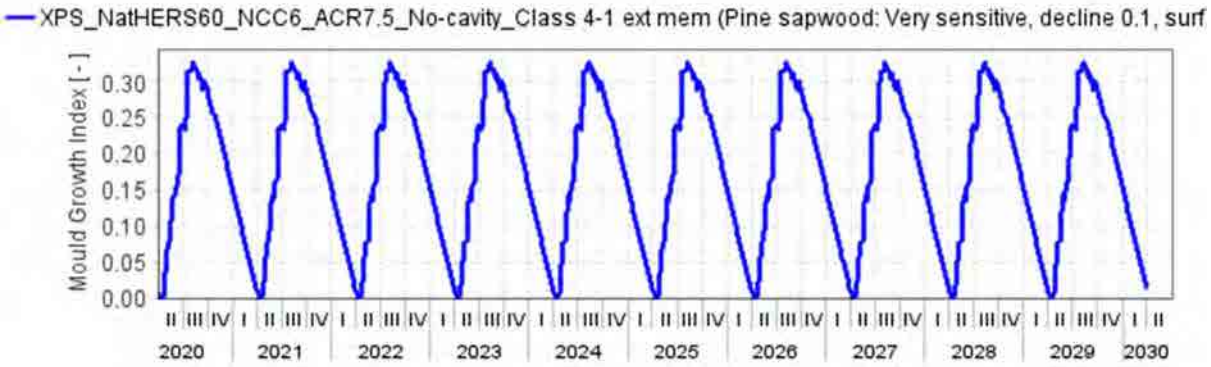

Figure 284: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

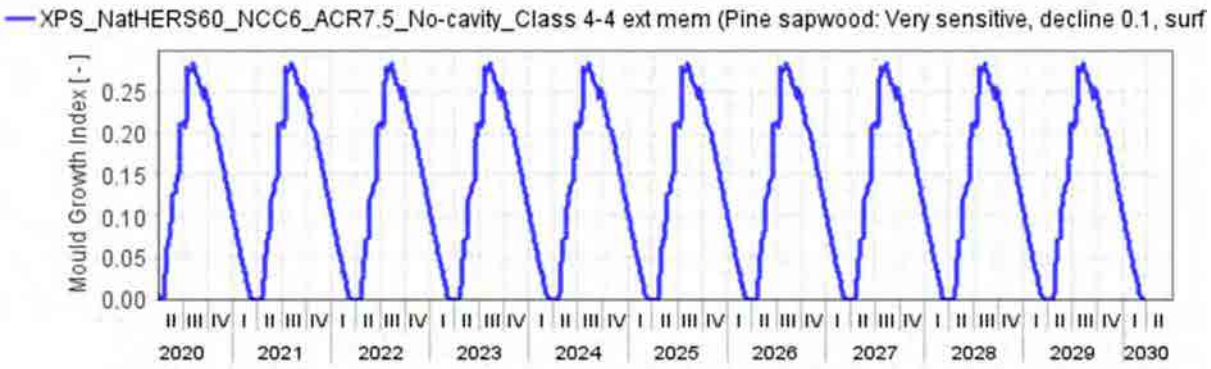

Figure 285 XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

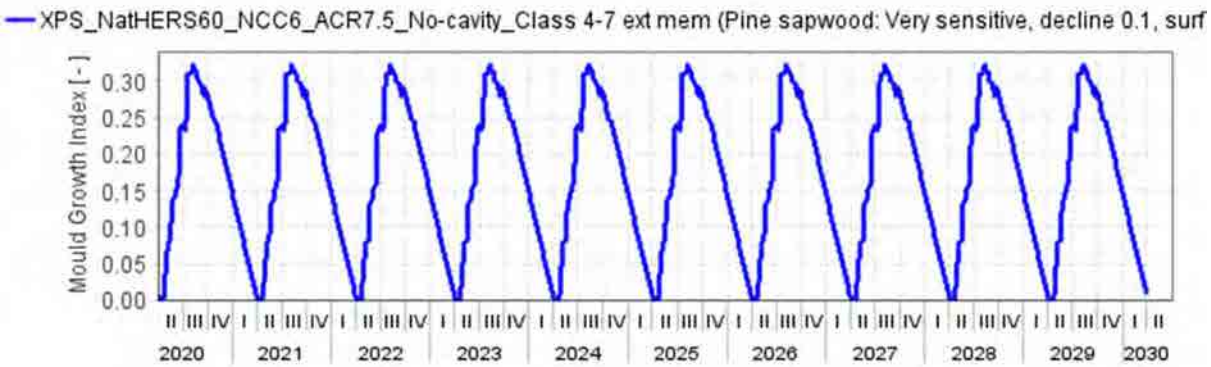

Figure 286: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

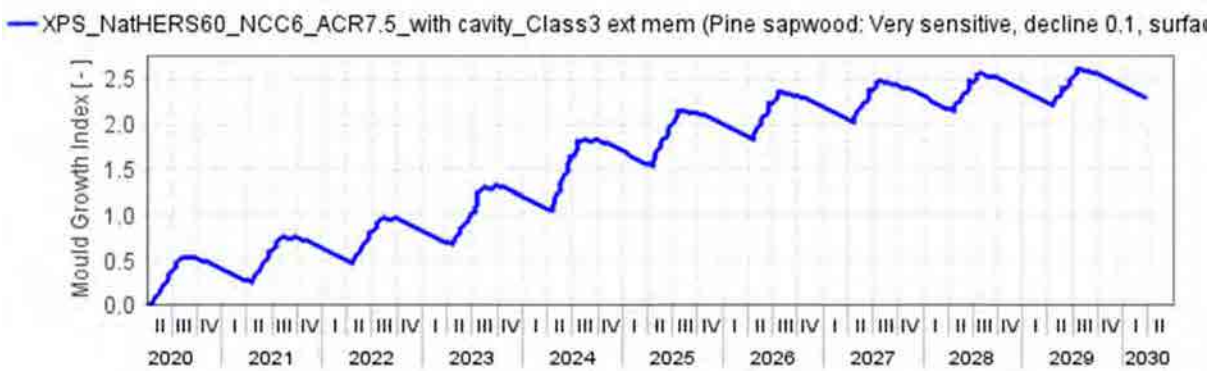

Figure 287: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

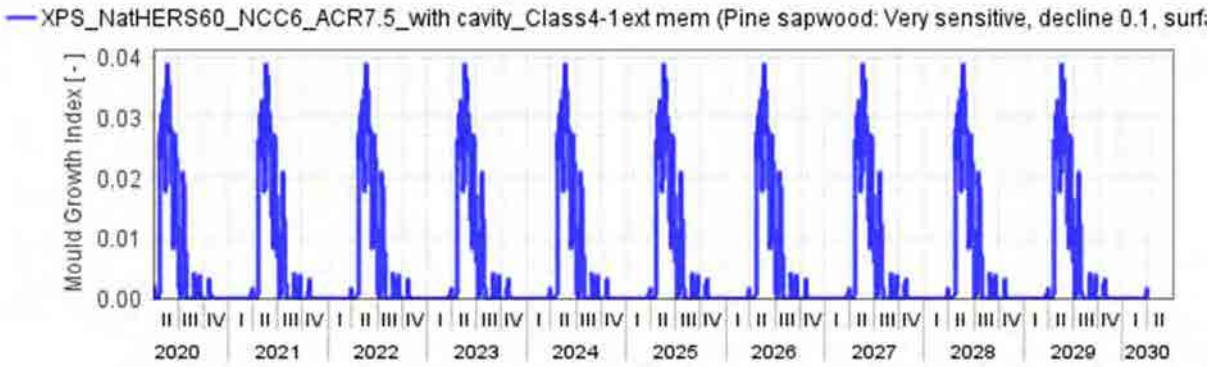

Figure 288: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

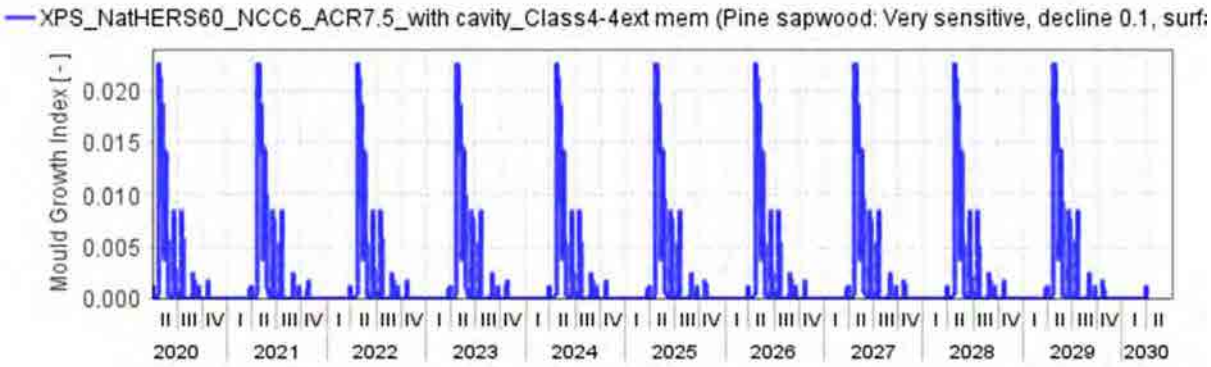

Figure 289: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

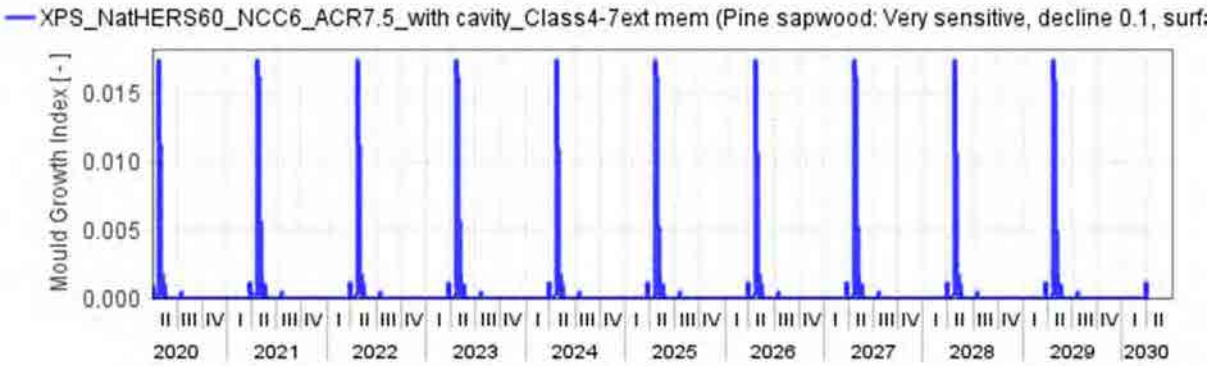

Figure 290: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

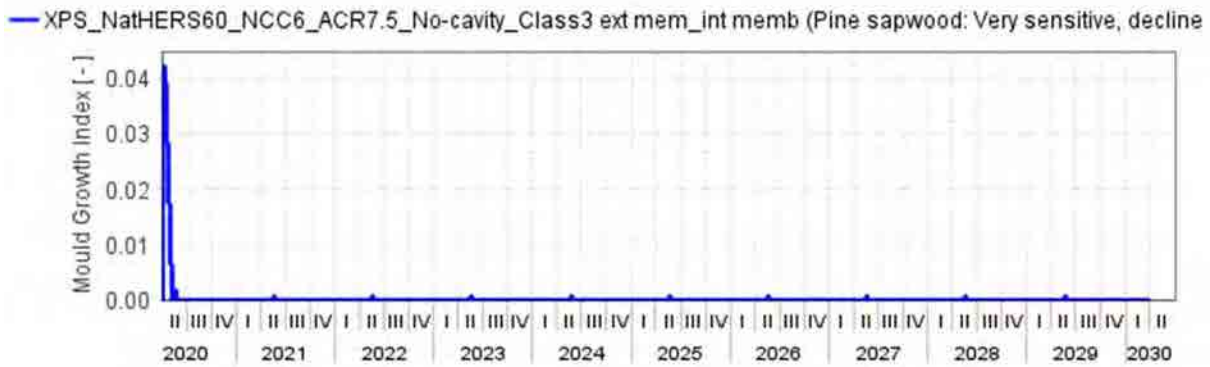

Figure 291: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

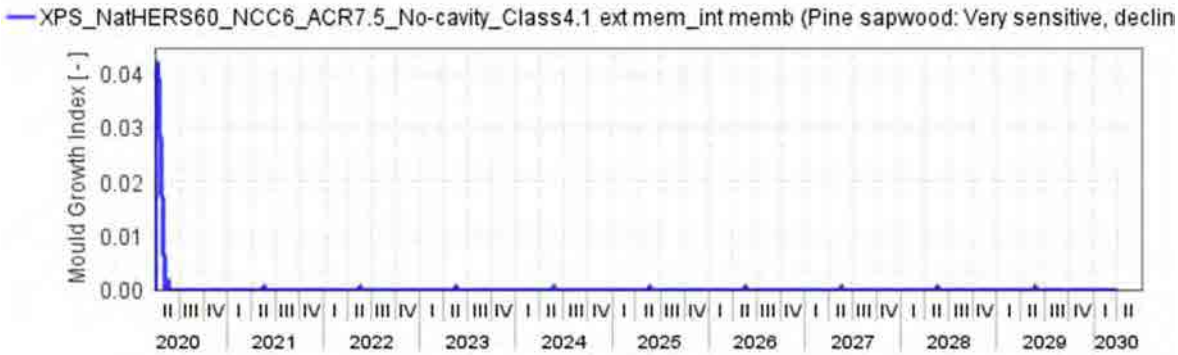

Figure 292: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

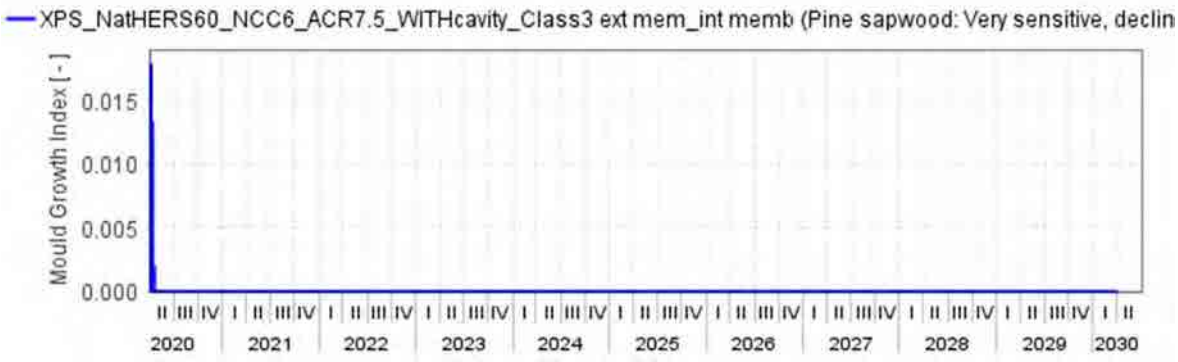

Figure 293: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

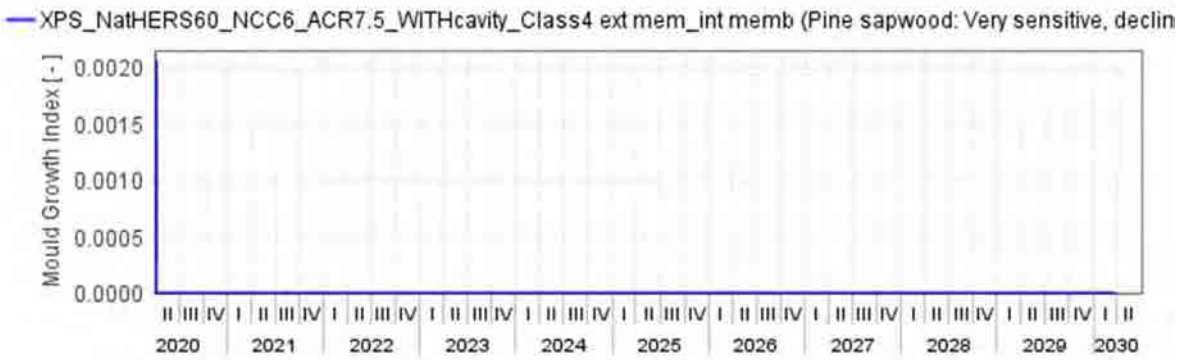

Figure 294: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 7.5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

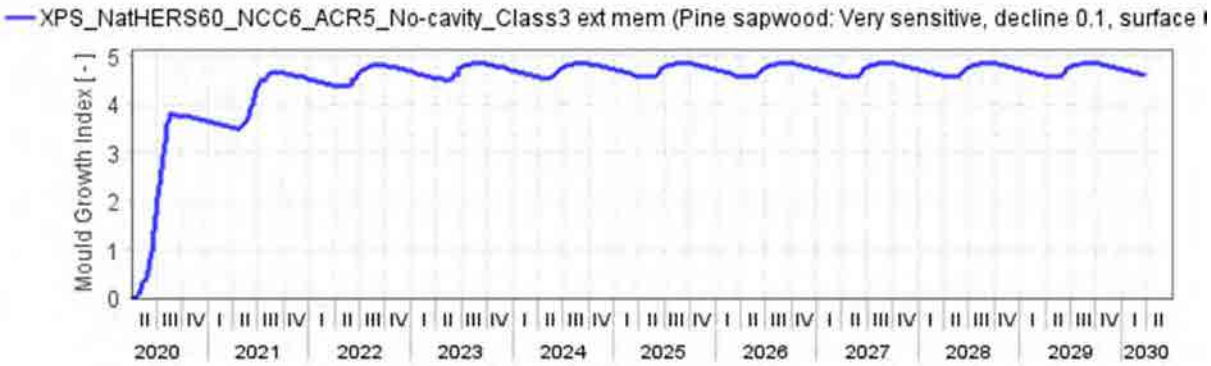

Figure 295: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

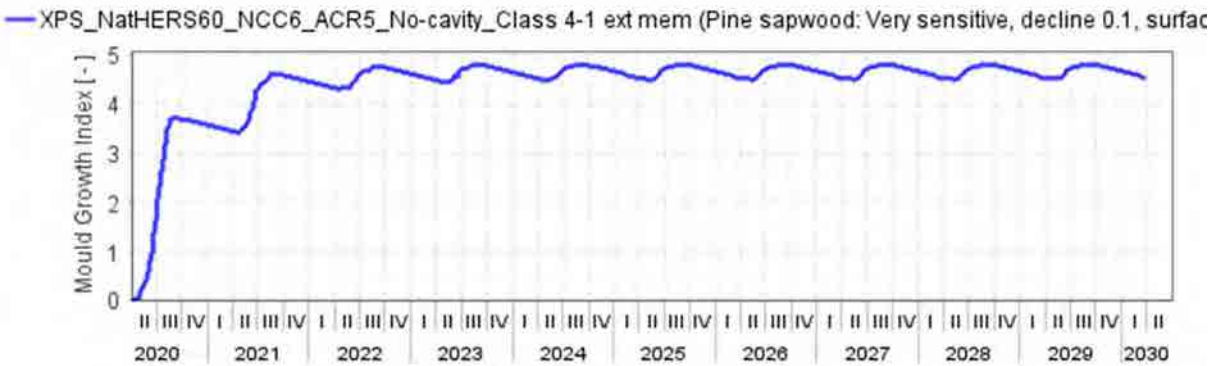

Figure 296: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

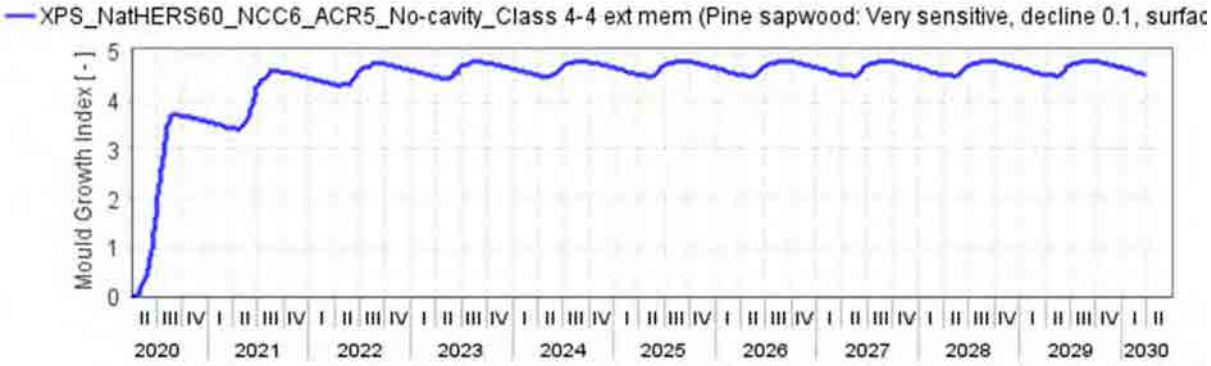

Figure 297 XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

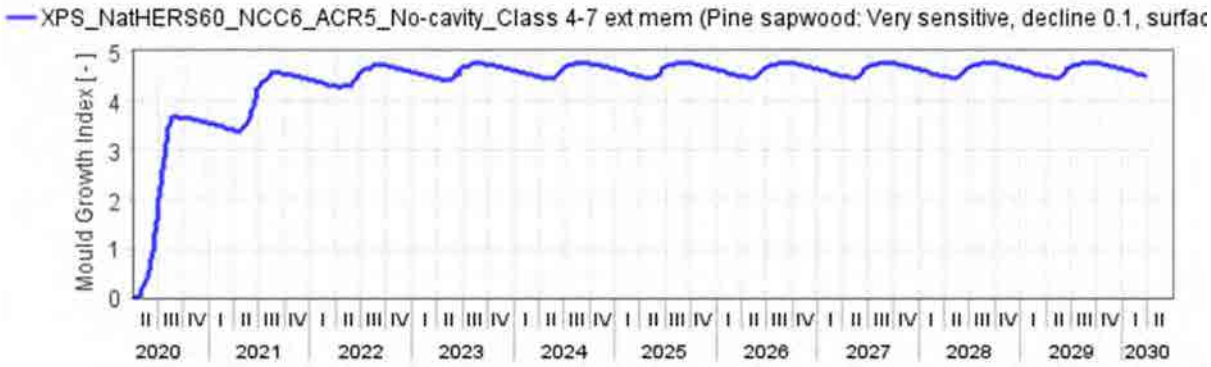

Figure 298: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

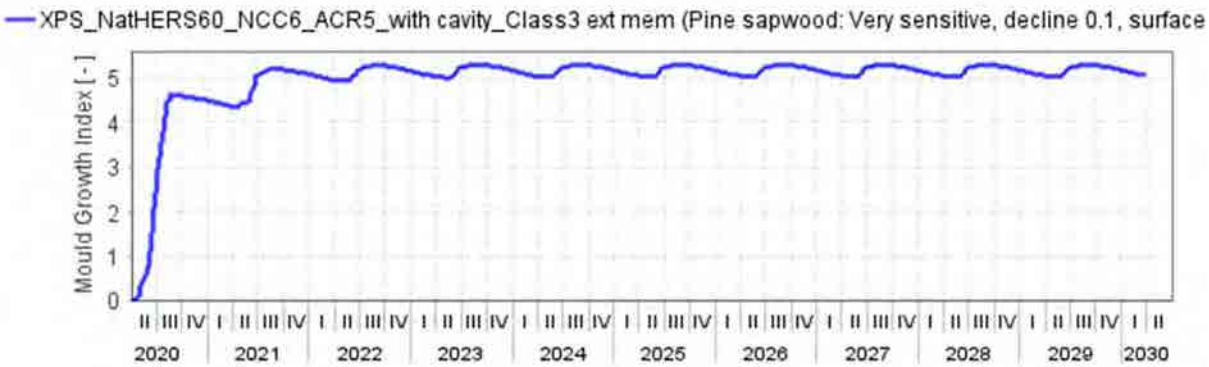

Figure 299: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398– Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

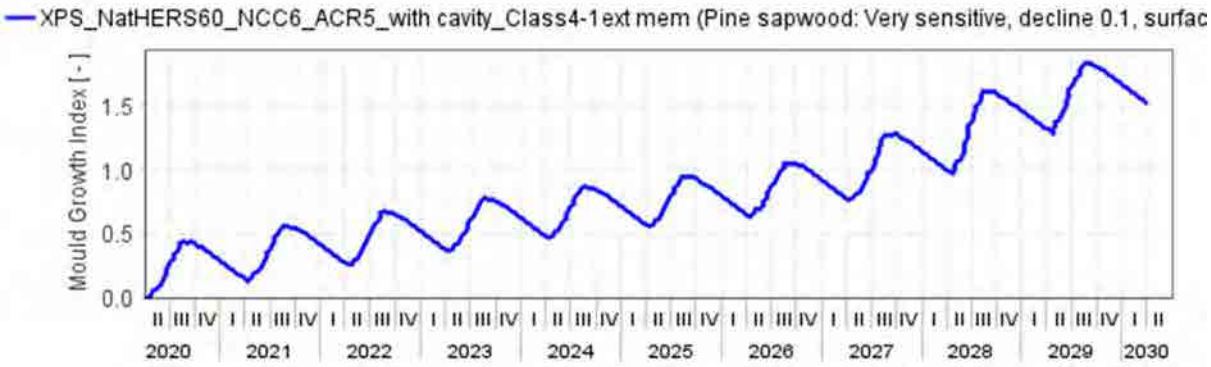

Figure 300: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

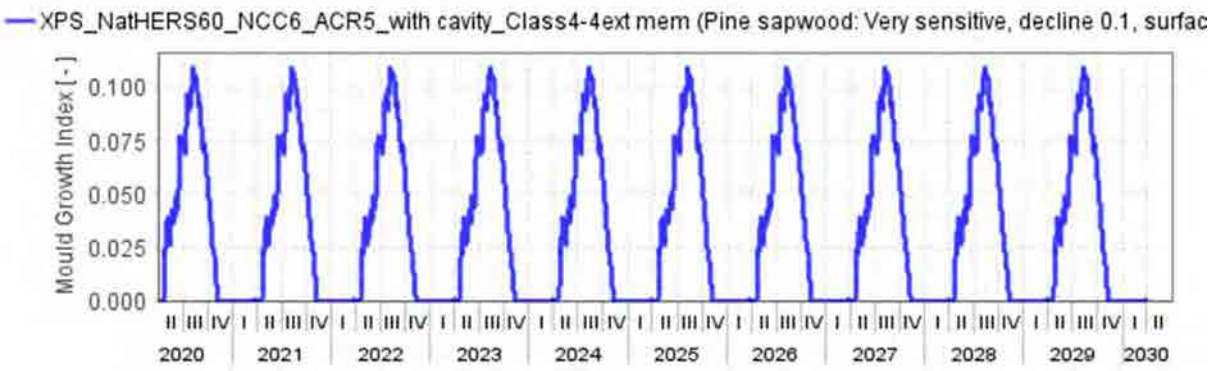

Figure 301: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

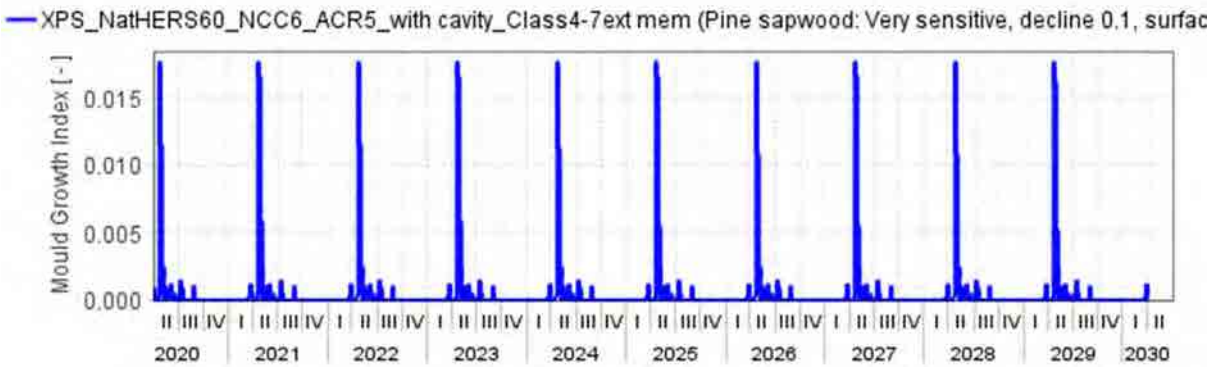

Figure 302: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

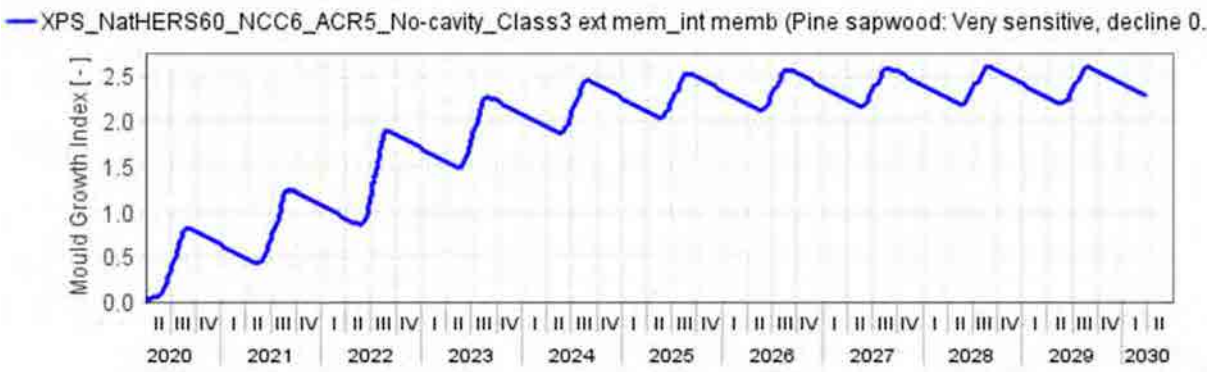

Figure 303: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

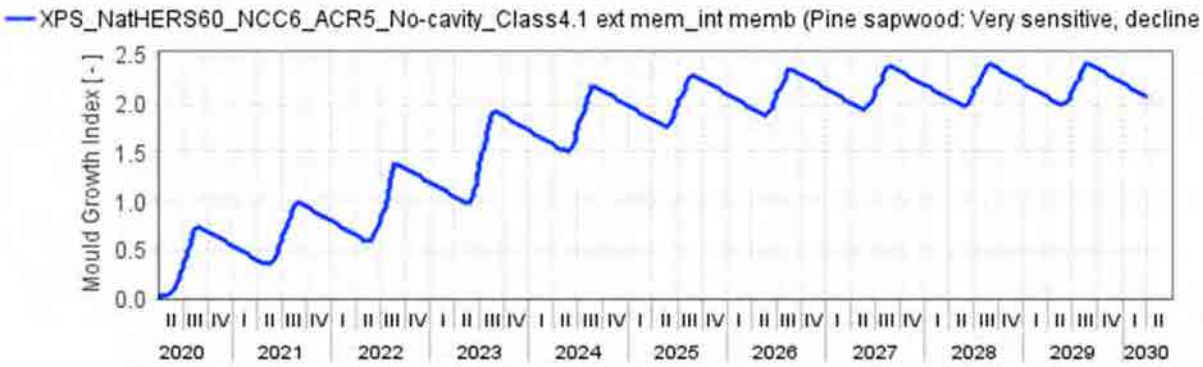

Figure 3047: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5, No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

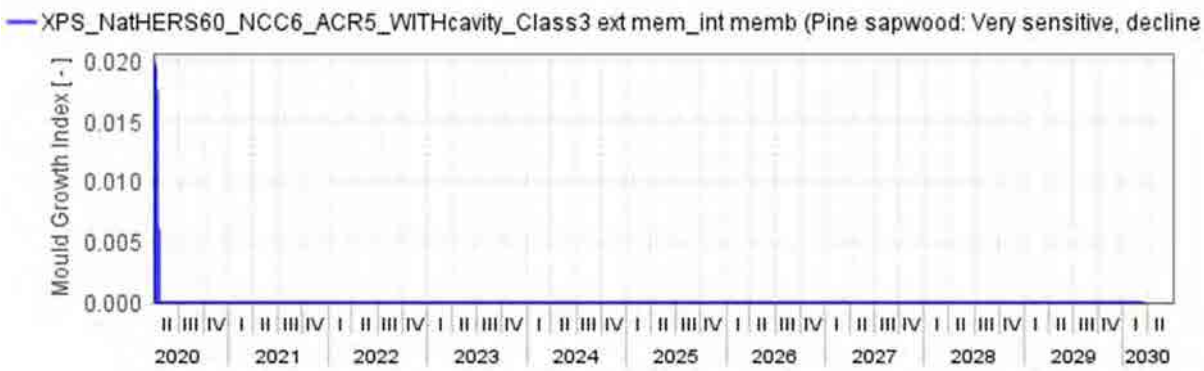

Figure 305: XPS NatHERS CZ 61 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

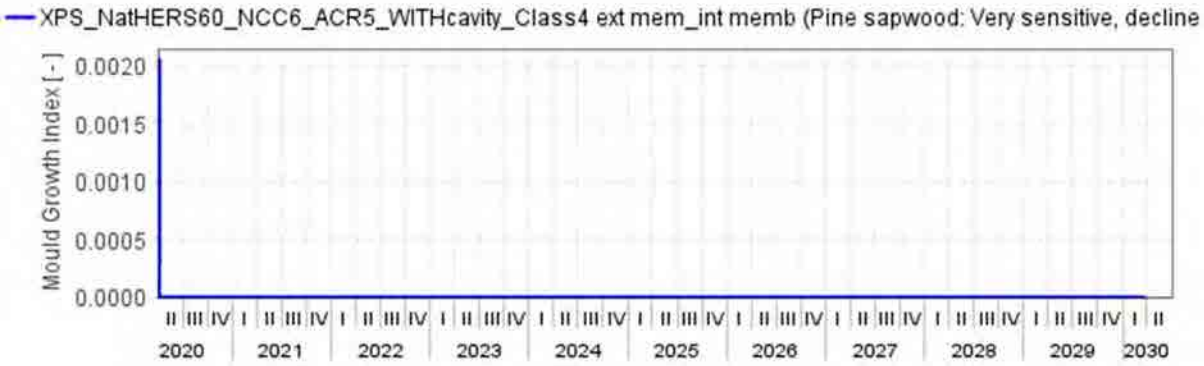

Figure 306: XPS NatHERS CZ 22 - NCC CZ 6 South orientation ACR 5, With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

NatHERS CZ 63, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

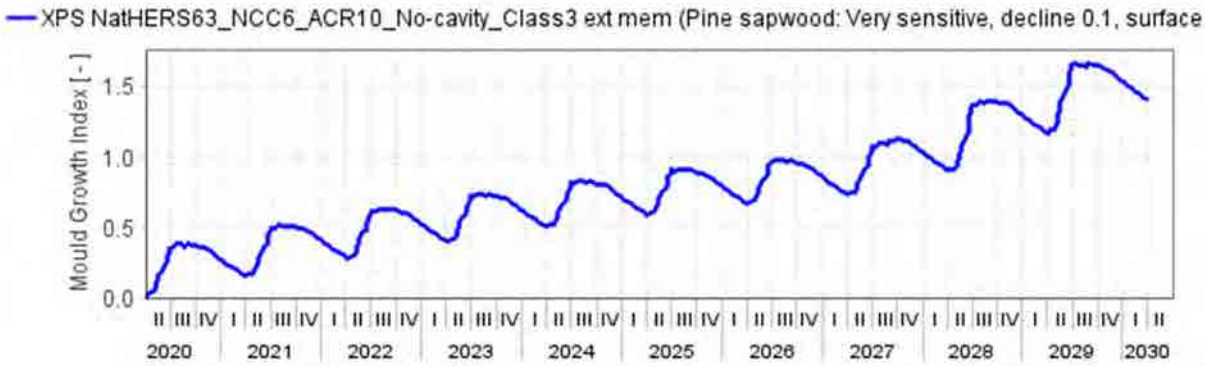

Figure 307: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

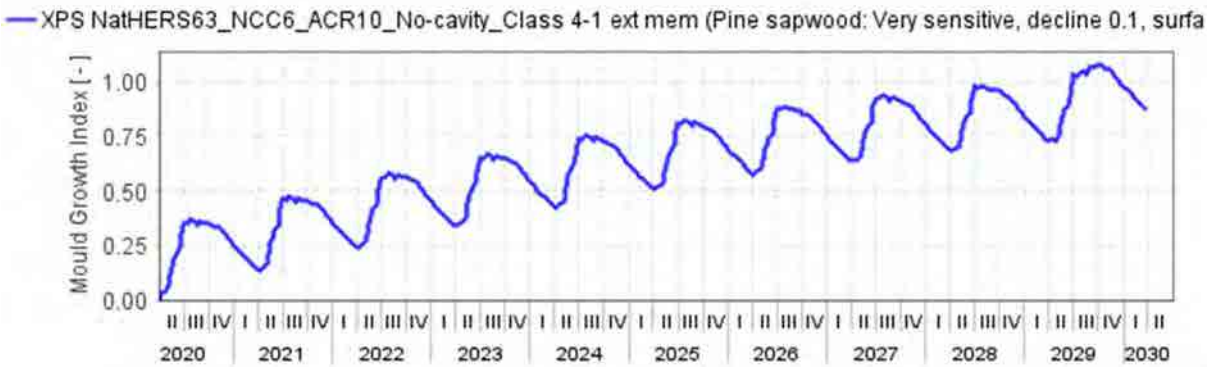

Figure 308: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

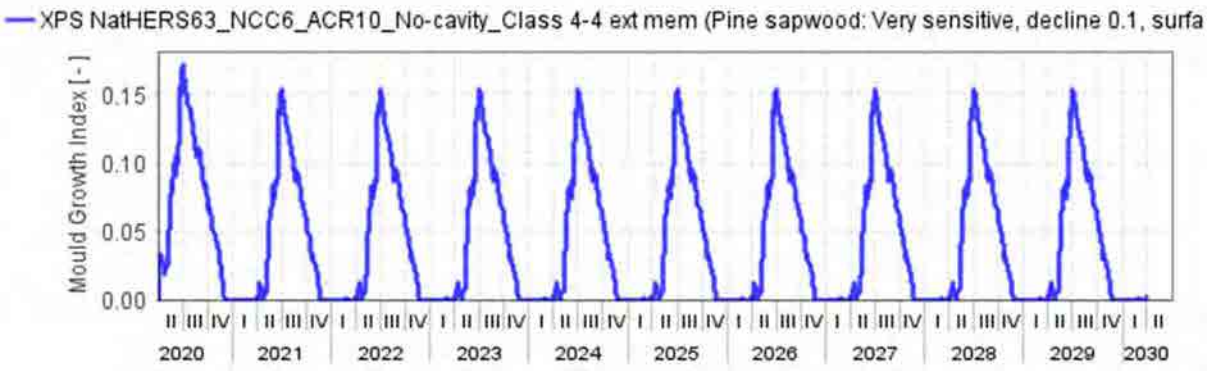

Figure 309 XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

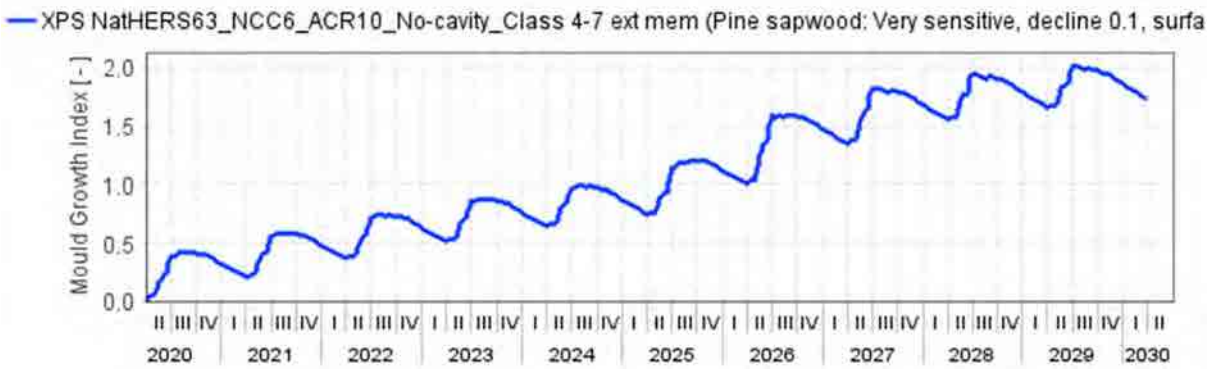

Figure 310: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

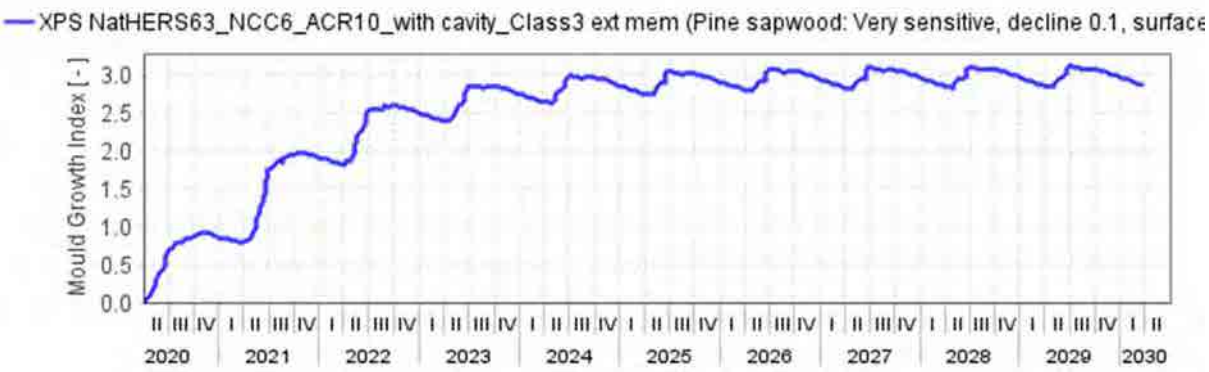

Figure 311: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

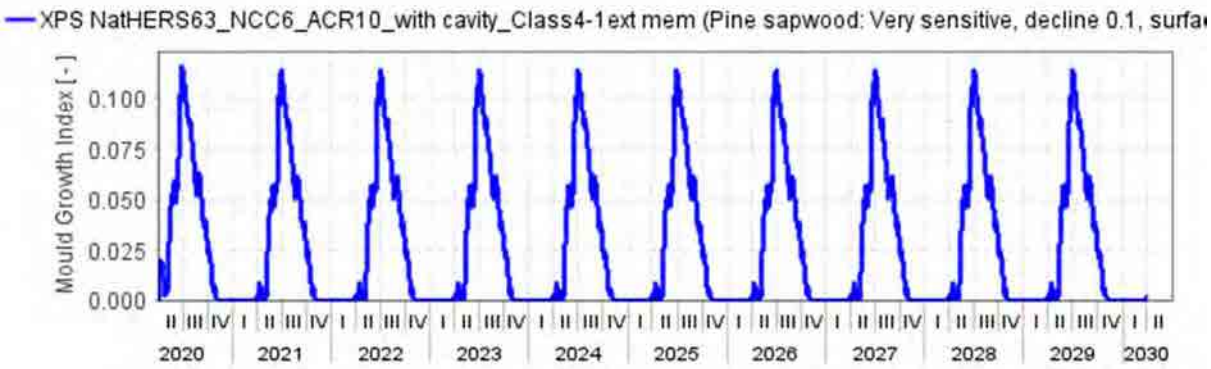

Figure 312: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

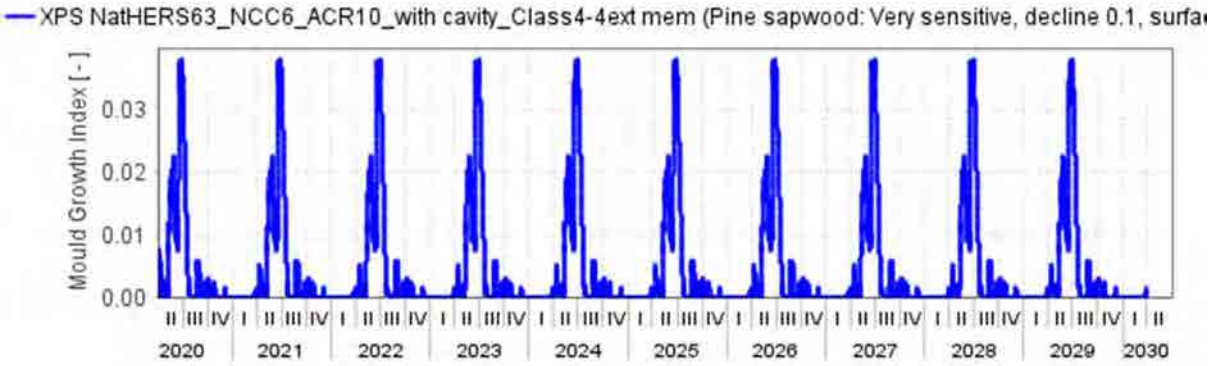

Figure 313: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

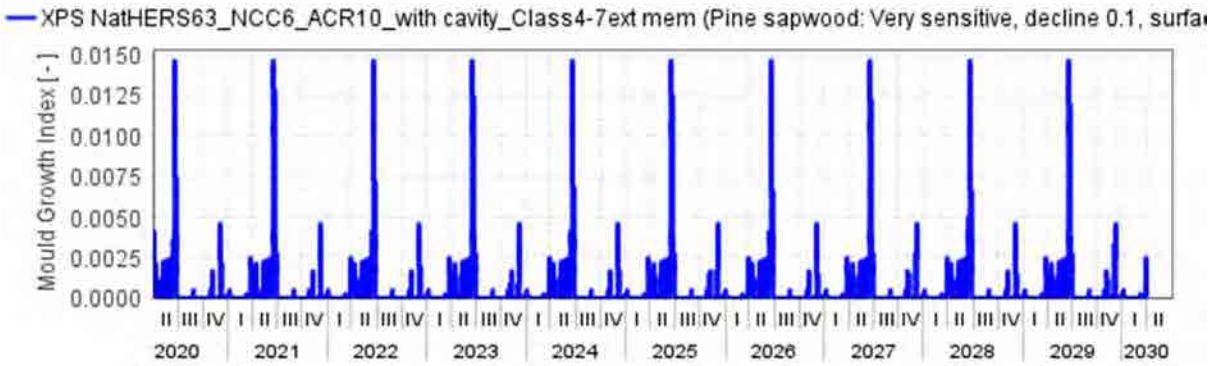

Figure 314: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

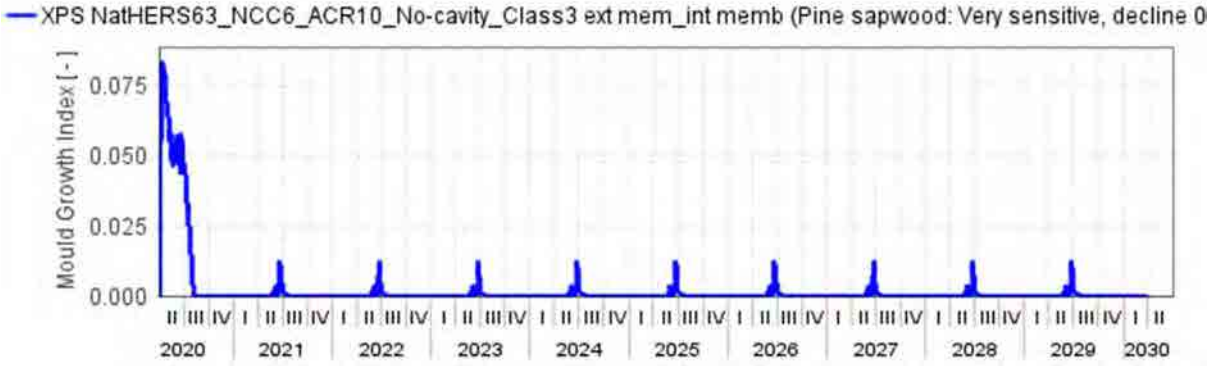

Figure 315: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

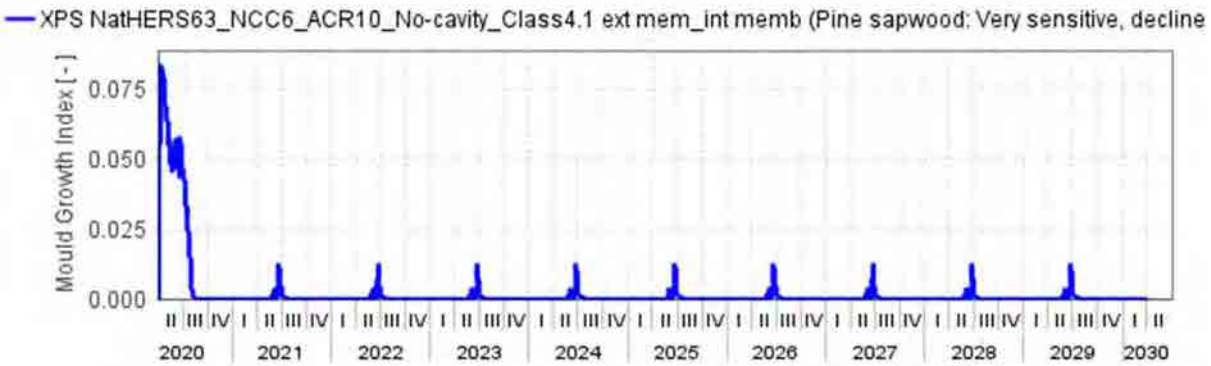

Figure 316: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

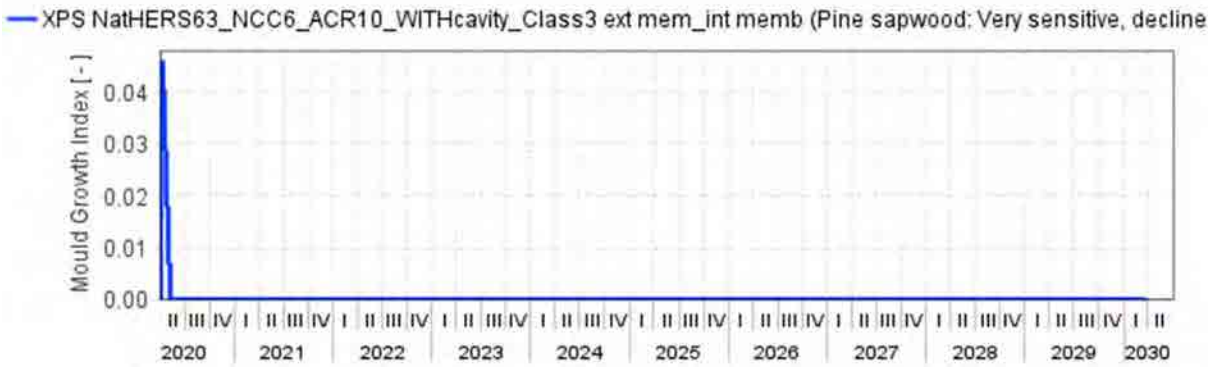

Figure 317: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

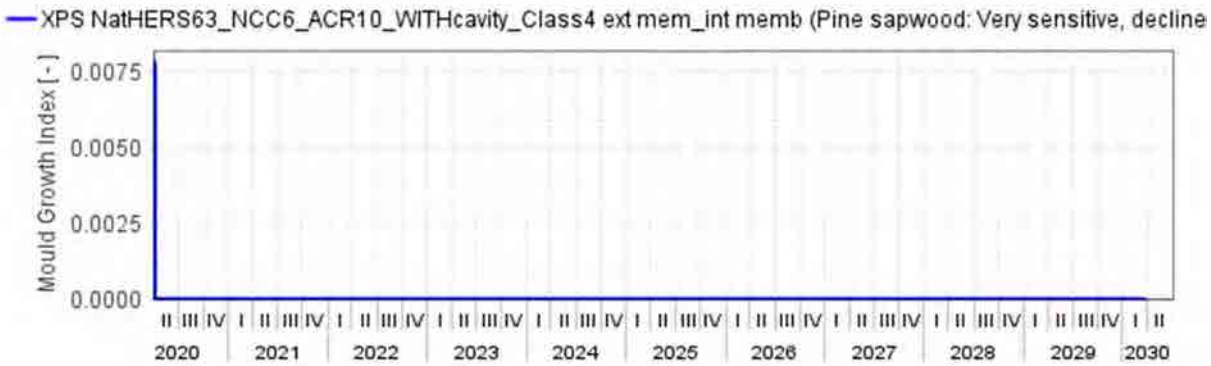

Figure 318: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 10 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

ACR 7.5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

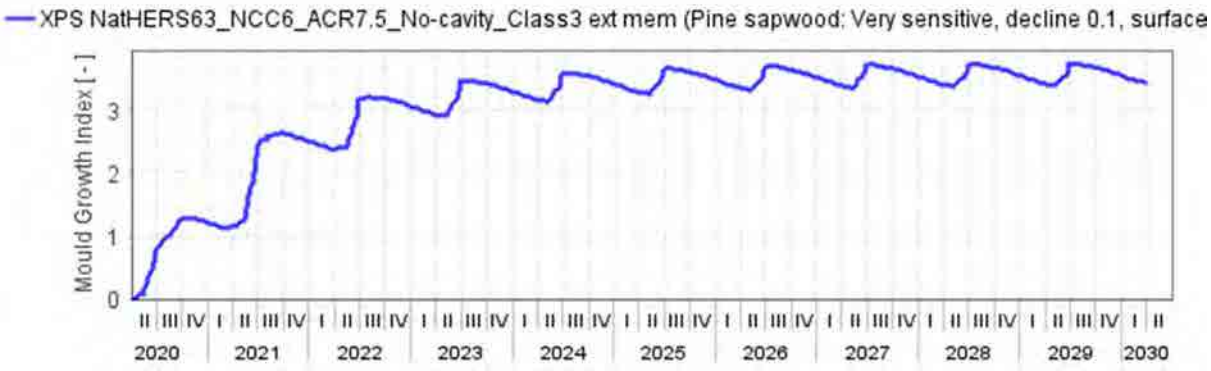

Figure 319: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

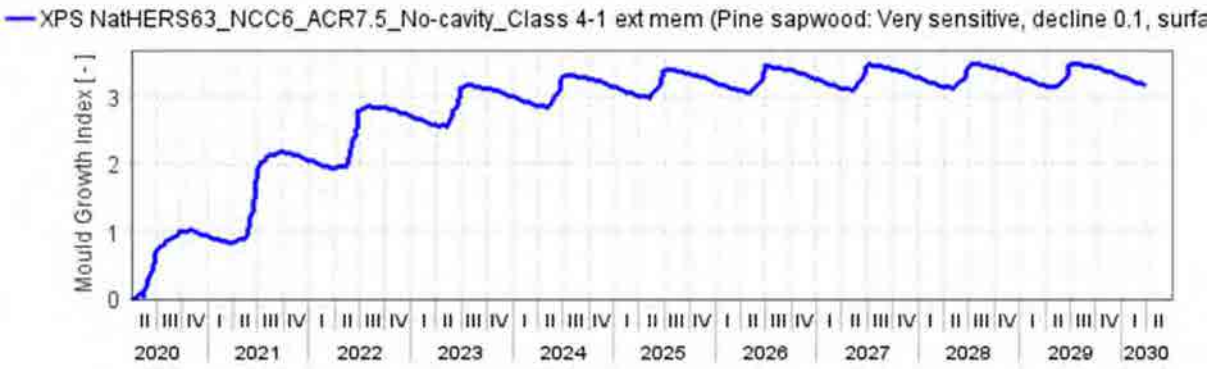

Figure 320: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

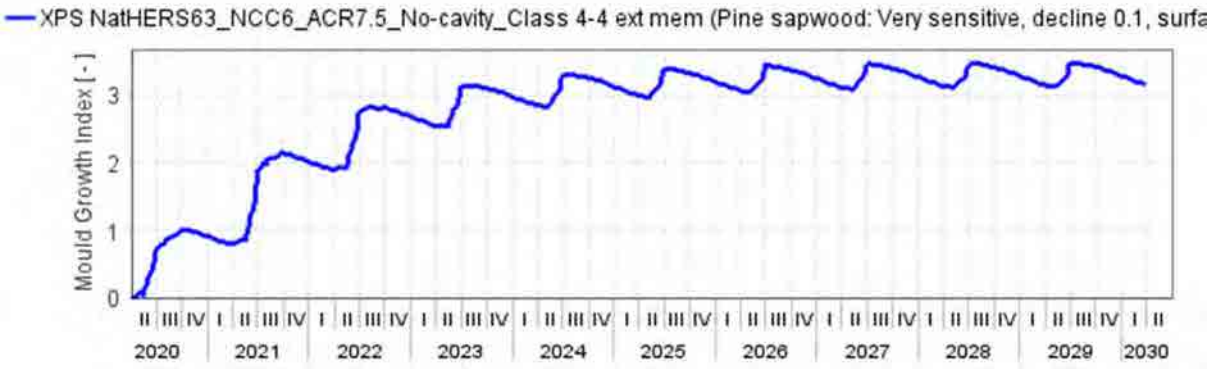

Figure 321 XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

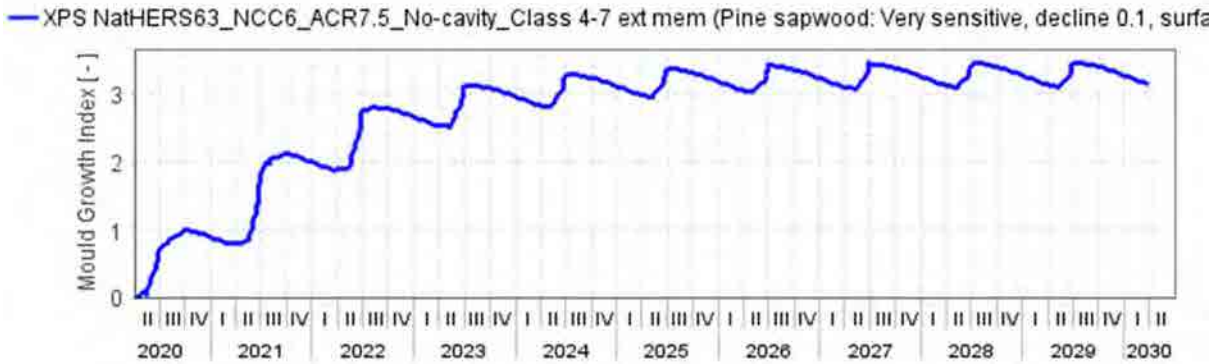

Figure 322: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

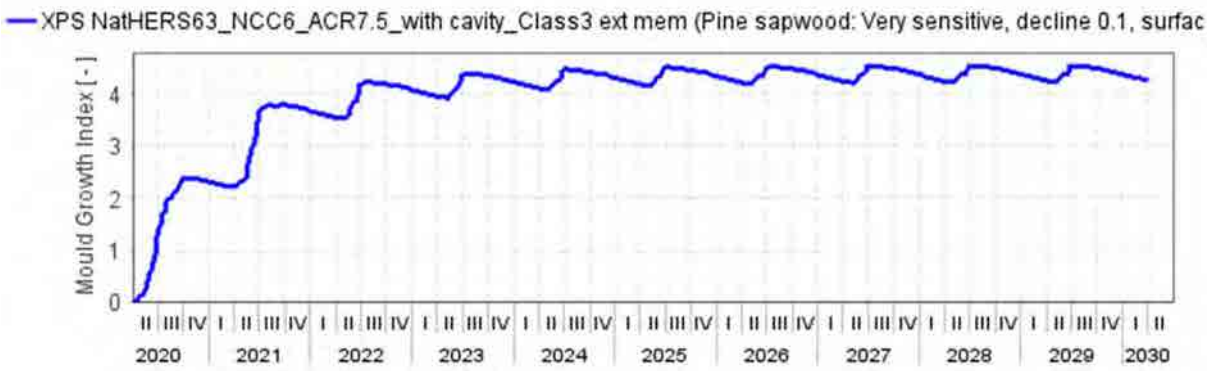

Figure 323: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

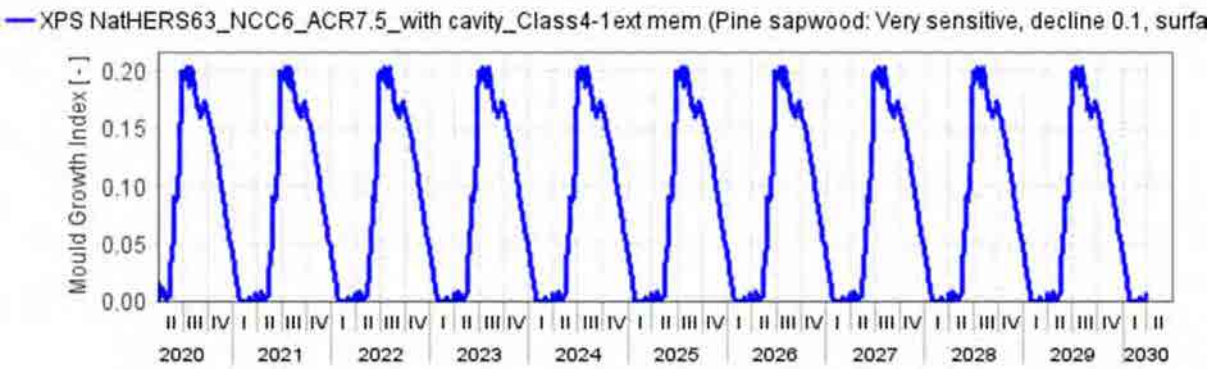

Figure 324: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7. 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

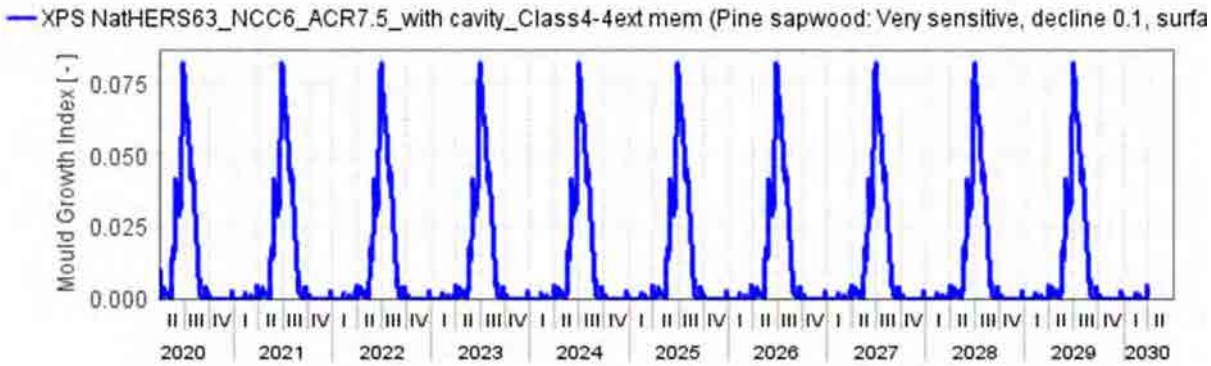

Figure 325: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

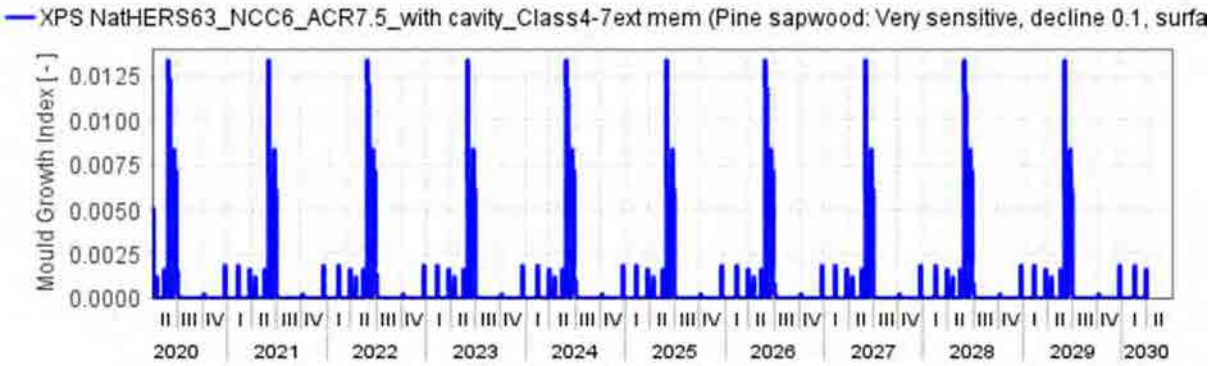

Figure 326: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

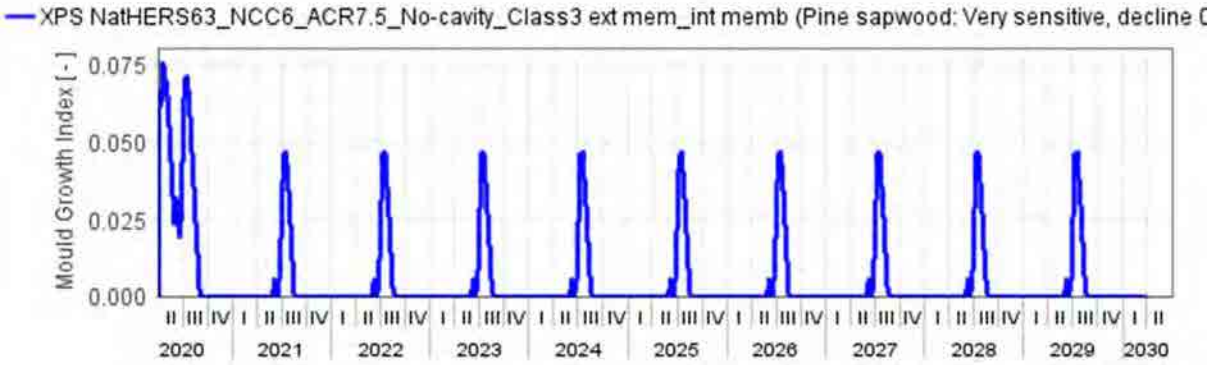

Figure 327: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

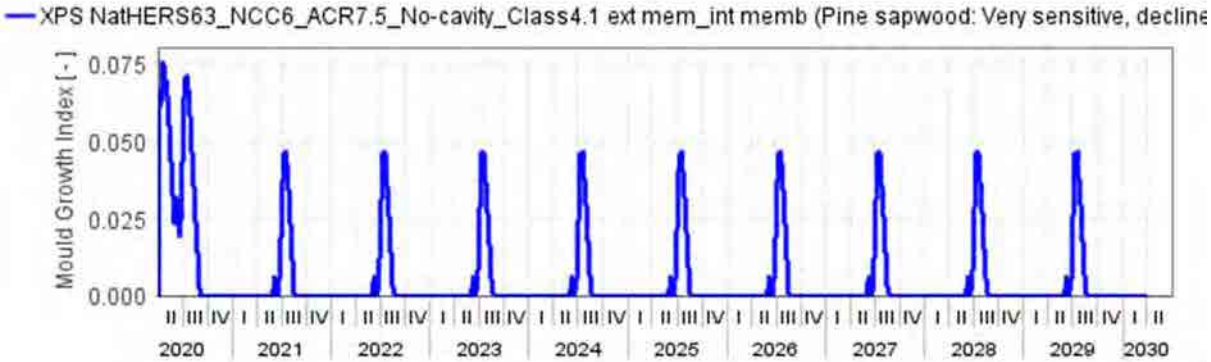

Figure 328: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

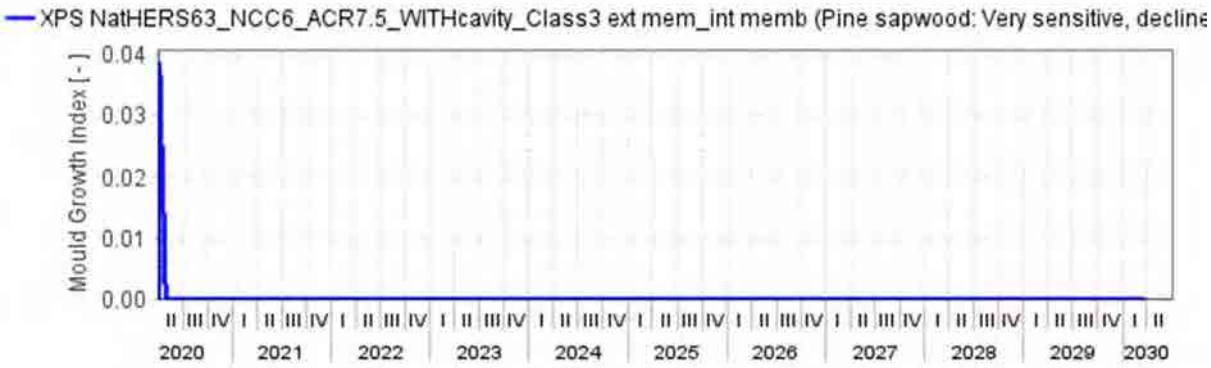

Figure 329: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb. – Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

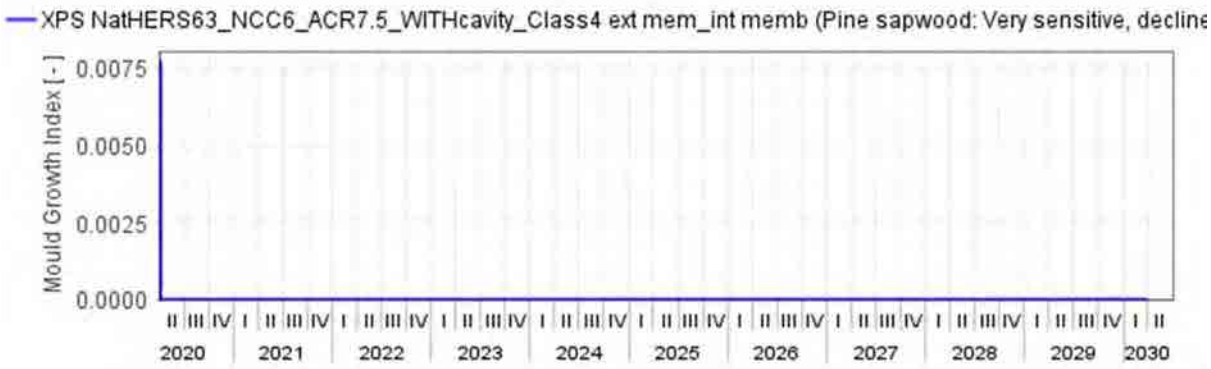

Figure 330: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 7.5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb. – Mould growth within insulated timber frame

ACR 5 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

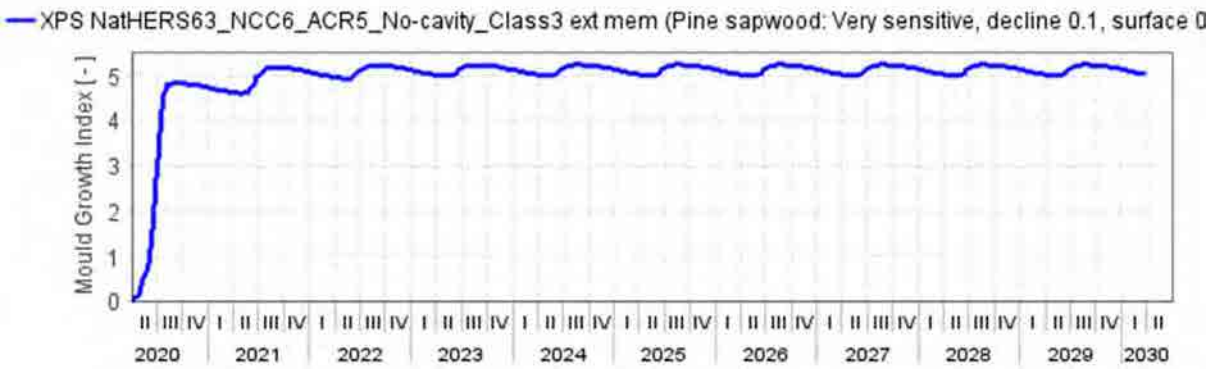

Figure 331: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

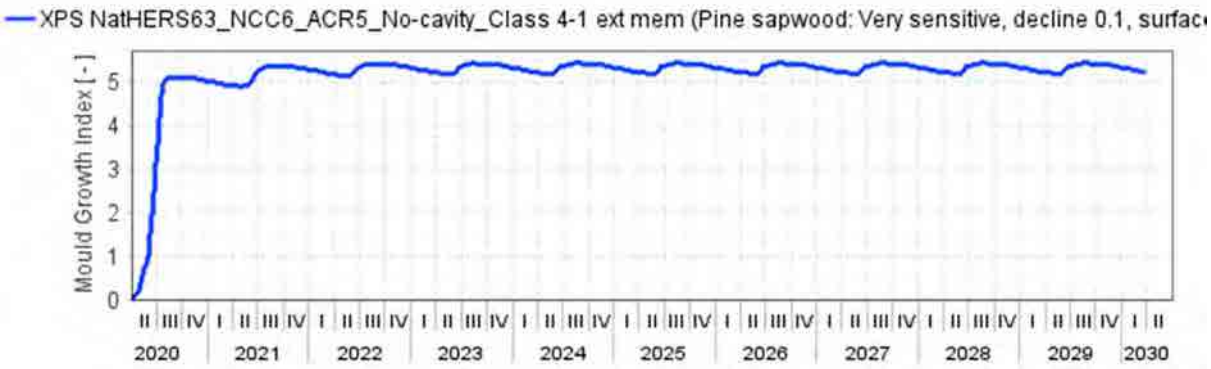

Figure 332: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

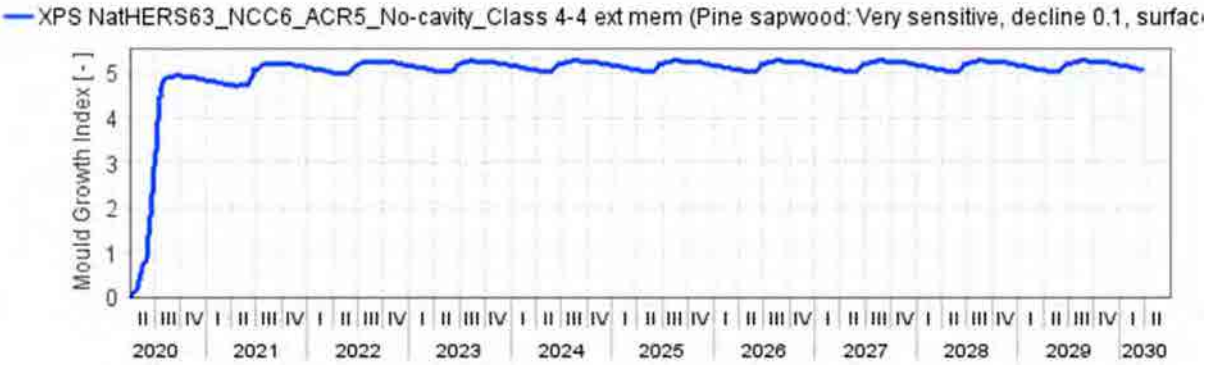

Figure 333 XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

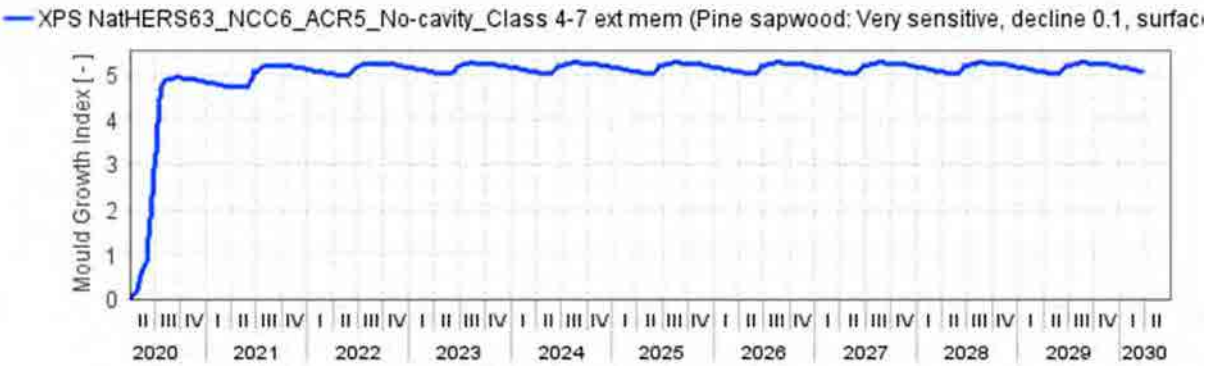

Figure 334: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

5. With cavity – Exterior Membrane Class 3 – 1398

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

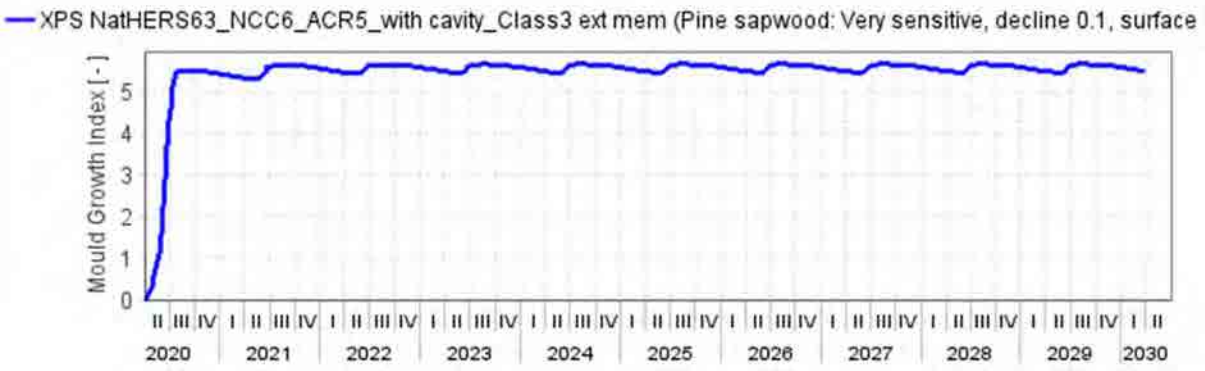

Figure 335: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 3 – 1398 – Mould growth within insulated timber frame

6. With Cavity – Exterior Membrane Class 4 – 175.4

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

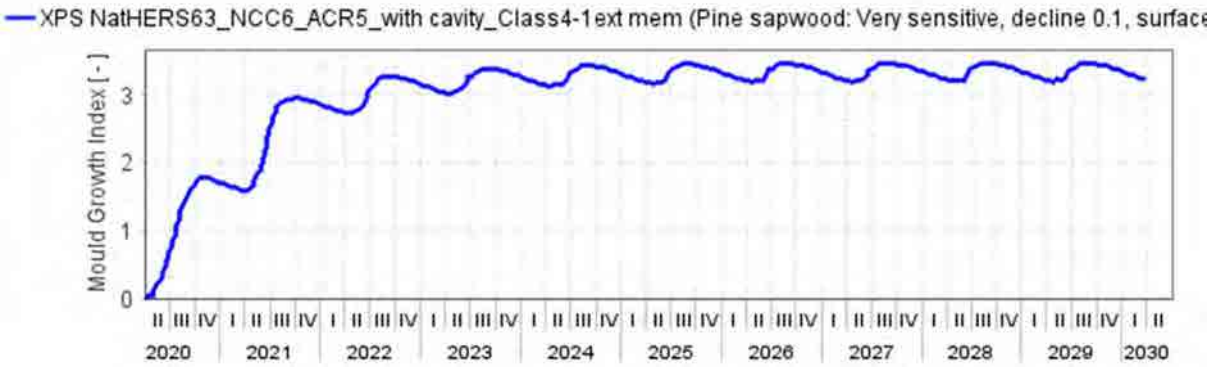

Figure 336: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

7. With cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 1.0 but is less than 3.0. This wall type requires further investigation.

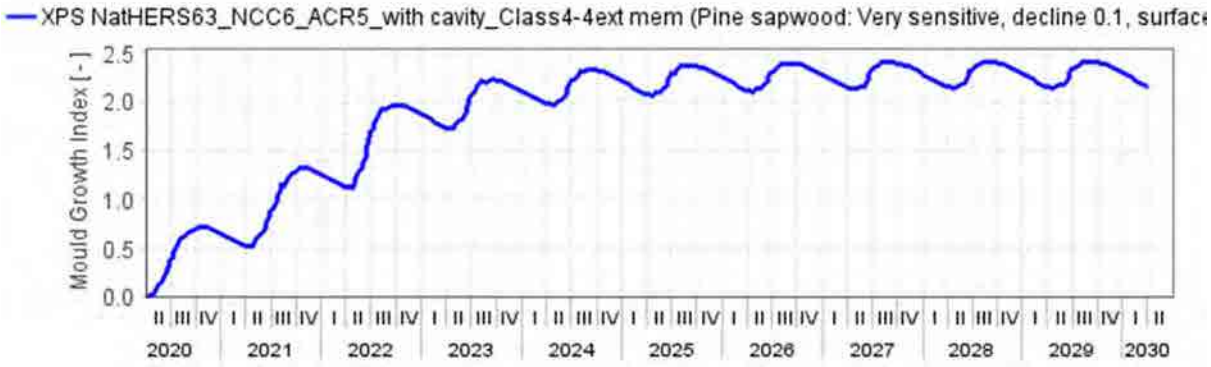

Figure 337: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

8. With cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

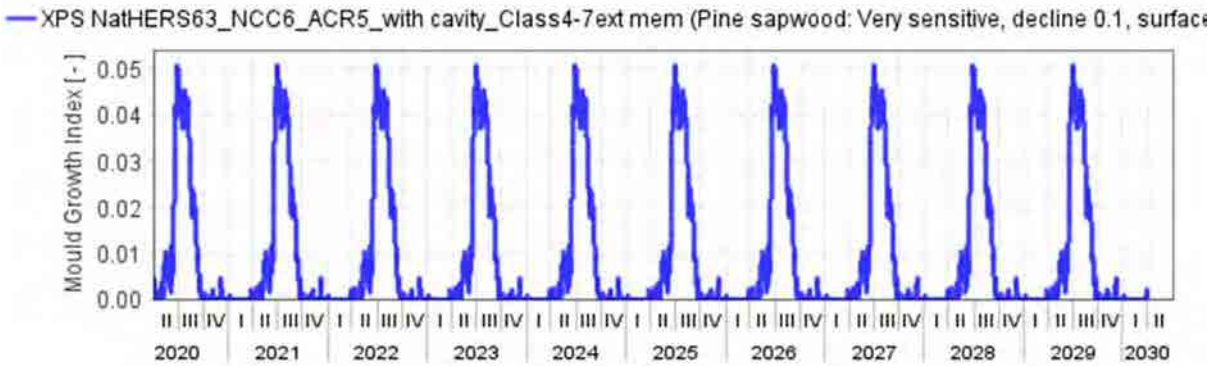

Figure 338: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5
With Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame

9. No cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

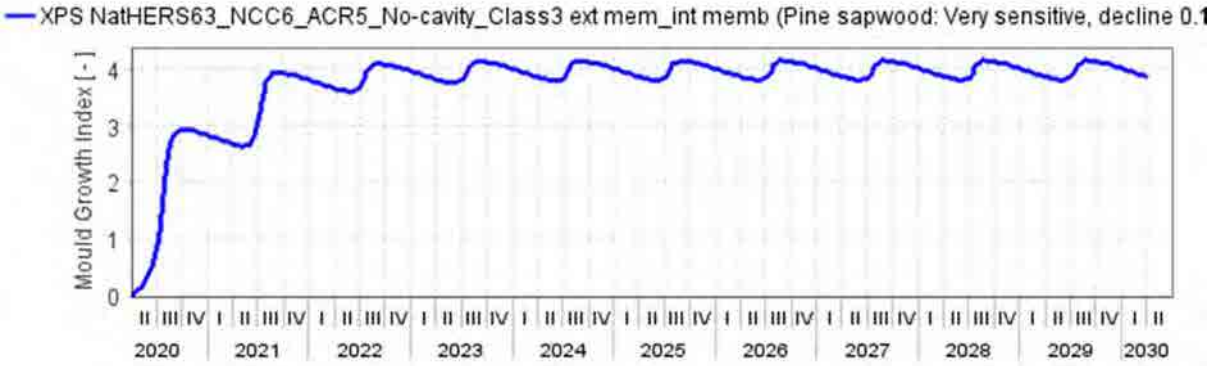

Figure 339: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 NoCavity – Ext. Memb. Class 3 – 1398 with Int. Memb.– Mould growth within insulated timber frame

10. No cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – Mould growth occurs within the insulated timber frame. The Mould Growth Index exceeds 3.0. This wall system may be climatically inappropriate.

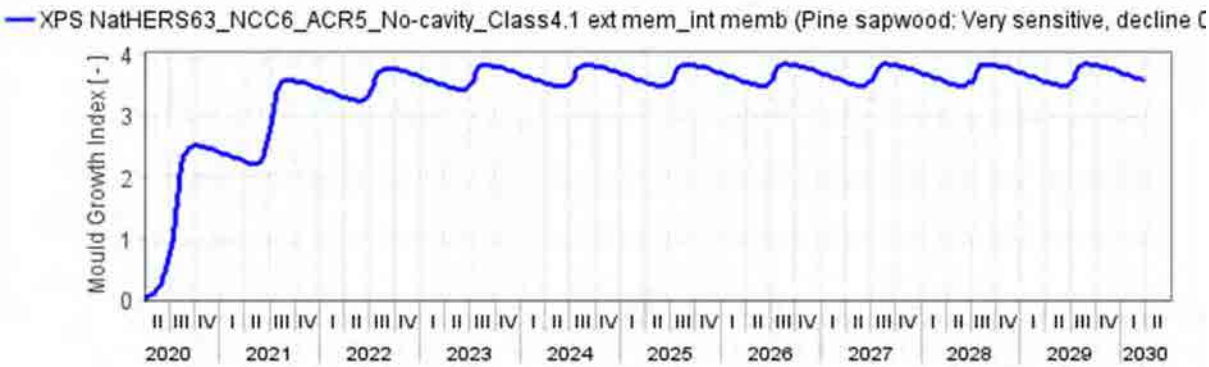

Figure 340: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 No Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.– Mould growth within insulated timber frame

11. With cavity – Exterior Membrane Class 3 – 1398 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

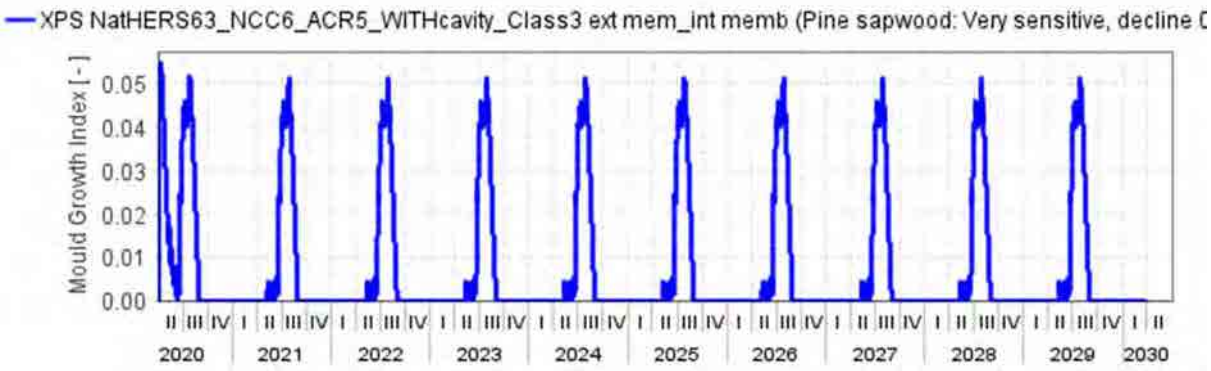

Figure 341: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 3 – 1398 with Int. Memb.– Mould growth within insulated timber frame

12. With cavity – External Exterior Membrane Class 4 – 175.4 with Internal Membrane

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

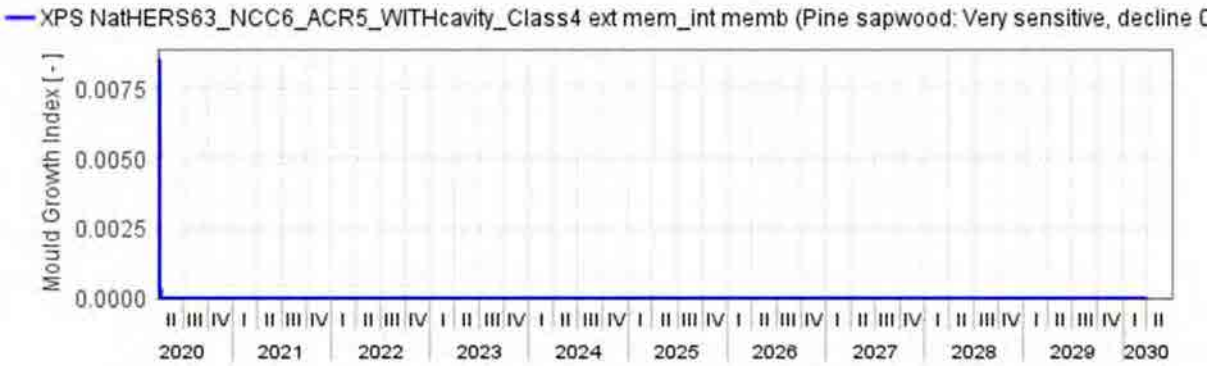

Figure 342: XPS NatHERS CZ 63 - NCC CZ 6 South orientation ACR 5 With Cavity – Ext. Memb. Class 4 – 175.4 with Int. Memb.– Mould growth within insulated timber frame

NatHERS CZ 64, NCC CZ6: 6 Star XPS cladding with insulated frame wall

ACR 10 - XPS cladding with insulated frame - South Only

1. No cavity – Exterior Membrane Class 3 – 1398

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

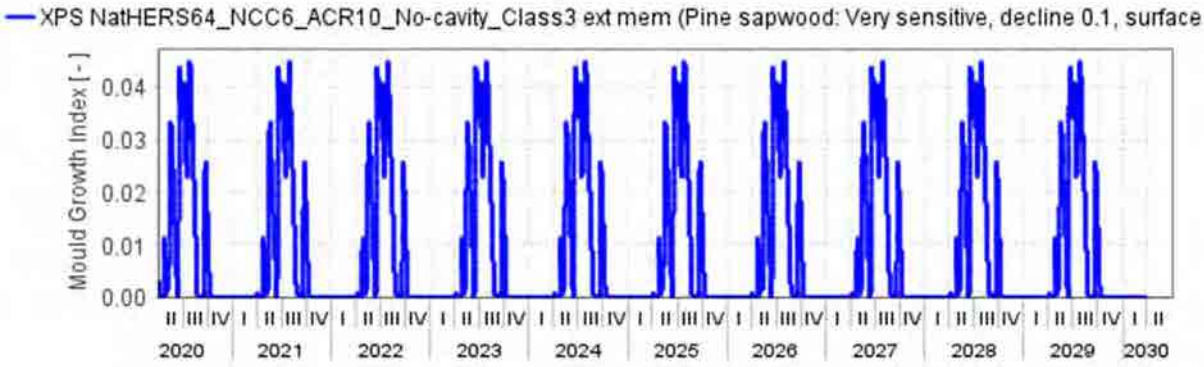

Figure 343: XPS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. lass 3 – 1398 – Mould growth within insulated timber frame

2. No cavity – Exterior Membrane Class 4 – 175.4

   Moisture Accumulation – Nil
   Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

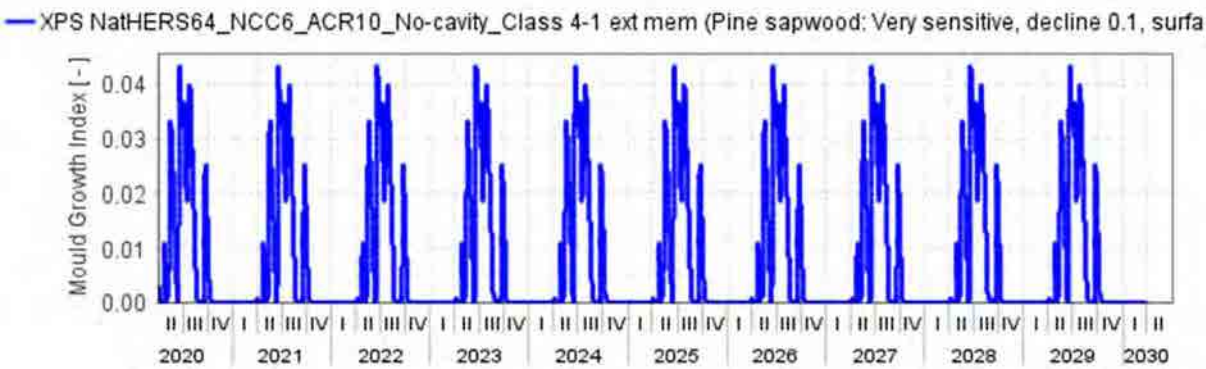

Figure 344: XPS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 175.4 – Mould growth within insulated timber frame

3. No cavity – Exterior Membrane Class 4 – 100

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

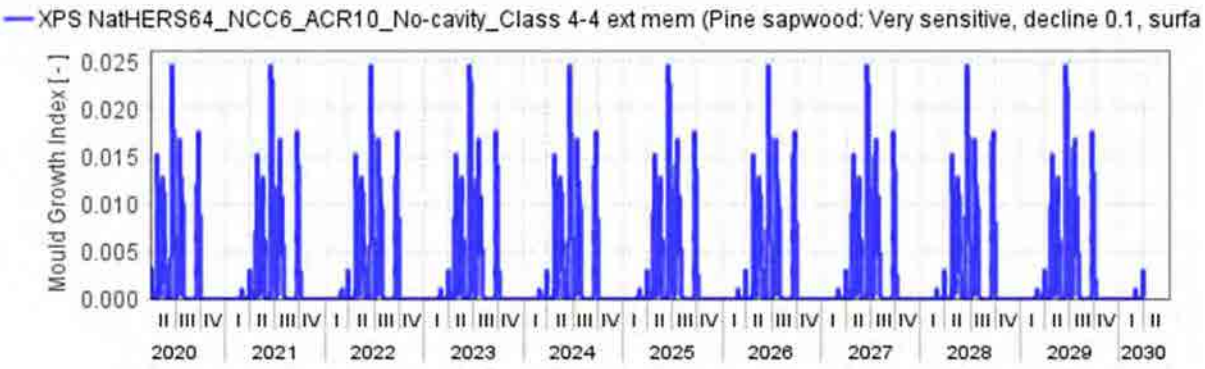

Figure 345 XPS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 100 – Mould growth within insulated timber frame

4. No cavity – Exterior Membrane Class 4 – 21

Moisture Accumulation – Nil
Mould Growth – The Mould Growth Index within this wall system does not exceed 1.0.

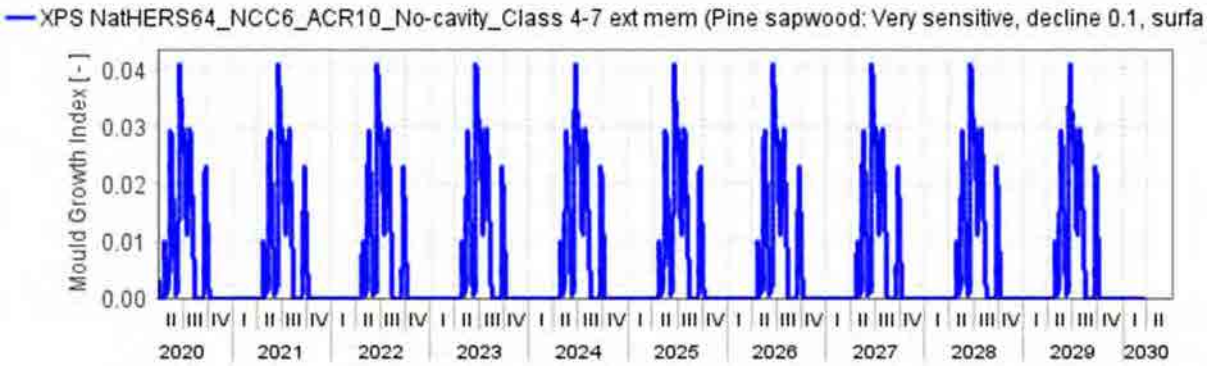

Figure 346: XPS NatHERS CZ 64 - NCC CZ 6 South orientation ACR 10
No Cavity – Ext. Memb. Class 4 – 21 – Mould growth within insulated timber frame