

Nuralite Waterproofing Nuratherm Insulated Roofing System

Product Technical Statement: 106536



Continuous insulation layer covered by waterproofing membrane suitable for flat roofs and decks.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Nuralite Waterproofing confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark
[CM70032](#)
BRANZ Appraisal
[732](#)



Technical Statement

Scope of use

Nuratherm insulated roof system can be used within the scope of E2/AS1.

It may be used to waterproof decks provided the membrane is protected from damage with a floating timber or tile surface on Nurajacks

It is suitable for commercial and residential buildings.

Potable water collection can be utilised, tested in accordance to AN/NZ 4020

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2(a)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2, E2.3.7
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause G12 Water supplies:** Performance G12.3.1, G12.3.2(a), G12.3.2(b), G12.3.2(c)
- **Clause H1 Energy efficiency :** Performance H1.3.1(a)

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

ATG certificates:

- ATG certificate 2323 UBAtc Issued: 26/06/2019 Expires: 25/06/24 Member of UEAtc
- ATG certificate H867 UBAtc Issued: 10/08/21 Expires: 09/08/26 Member of UEAtc
- ATG Certificate 2726 UBAtc Issued: 09/01/22 Expires: 18/01/27
- Australian Water Quality Centre Report ID: 141927 Tested to: AS/NZS 4020:2005 Date of Issue: 16/07/2012 NATA Accredited.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark

[CM70032](#)



BRANZ Appraisal

[732](#)

Use in Service History

- ANZ Centre Christchurch.
- 125 Queen St Auckland.
- Sustainable Coastlines Education Centre Auckland.
- Life Church Mt Eden.
- Howick College Science Block.
- Balfour Apartments Auckland New Zealand: New building project where Nuratherm Insulated Roof was applied to the roofing system.

Product Criteria

Design requirements

- All plywood sheets must be CCA treated to H3.2 The plywood must be a minimum thickness of 17mm (21mm on decks) with the supporting joists at a maximum of 400mm centres.
- The concrete substrate must meet the design requirements of NZS 3101.
- The steel substrate must be G550 Zinalume coated to AS 1397.
- Strandboard must have a minimum fall of 1:30 with the supporting joist at a maximum of 600mm centres. Not for use on balcony decks.
- CLT substrates to the manufacturers design.
- A roof structure must have a minimum fall of 1:80

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Company Contact Details



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- A deck structure must have a minimum fall of 1:80 and gutters 1:100 all formed in accordance with Nuraply 3PM Roofing Membrane Installation Manual.

Installation requirements

- Ensure the substrate is of the highest standard before the installation. Qualified personnel are required to install both the insulation and waterproofing layer.
- For full checklist refer to Nuraply 3PM Roofing membrane Installation Manual: <https://www.nuralite.co.nz/static-files/1354/application%2Fpdf/Nuraply%203PM%20Roof%20Membrane%20Installation%20Manual%202019%20Ed1%20-%20Text%20and%20Details.pdf>

Maintenance requirements

- Check yearly for damage and rubbish.
- If any damage is discovered, repairs and reapplication of coating see recommendation from Nuralite Waterproofing Ltd.
- Drainage outlets must be maintained regularly.
- Check every 5 years by approved Nuralite personnel to maintain the warranty
- Water blasting is not recommended

Warrantees

20-year product warranty.

Company Product Information

Environmental

An efficient way to insulate a flat roof system, reducing up to 35% of heat loss from a home.

Contributes toward Greenstar points

Suitable for collection of potable water

Relationships



Member of New Zealand Green Building Council



Toitu Carbon Zero Certification 2020007J

Videos

[Nuratherm Warm Roof over lay on Howick College](#)



Date last validated: **06 May 2022**



Date last updated: **06 May 2022**

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