

Nuralite Waterproofing Nuraply 3PM Membrane

Product Technical Statement: 101550



Robust double-layer waterproofing membrane system with natural chip finish, used on 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
[547](#)



Technical Statement

Product Description

APP modified bitumen sheet single-layer waterproofing, cold-adhesive glued, with heat-welded lap joints, and a prefinished mineral chip upper surface

Scope of use

Nuraply 3PM can be used within the scope of E2/AS1.

It can be applied over steep or low-pitched roofs and canopies in new or existing buildings. 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 AS/NZS 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)

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: 26/6/2019 Expires: 25/06/2024 Member of UEAtc

[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
[547](#)

Use in Service History

In service history:

- Waitangi Maori Battalion Museum in Waitangi used over 1000m² of Nuraply 3PM in Charcoal.
- Te Uru Waitakere Contemporary Gallery Auckland New Zealand: Restoration project where Nuraply 3PM installed as the roof waterproofing membrane.
- Viaduct Events Centre Auckland New Zealand: New building project Nuraply 3PM installed as the roof waterproofing membrane.
- Supreme Court Wellington New Zealand: Restoration project Nuraply 3PM installed as the roof waterproofing membrane.

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 joist at a maximum of 600mm centres.
- The concrete substrate must meet the design requirements of NZS 3101.
- Strandboard must have a minimum fall of 1:30 with the supporting joist at a maximum of 400mm centres. Not for use on balcony decks.

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Company Contact Details



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- CLT substrates to the manufacturers design.
- A roof structure must have a minimum fall of 1:80.
- 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

- The substrate surface must be smooth, clean and dry prior to applying the Nuraply 3PM system.
- The installation of the Nuraply 3PM system can only be carried out by a Authorised Nuraply Applicator
- 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

Building maintenance is important. Annual cleans and visual inspections are recommended. Five yearly detailed inspections by Nuralite applicators are a warranty requirement.

To maintain appearance and prevent chip from blowing off initially, Nuraglaze should be applied over top of the membrane. A passive mould killer may need to be applied to kill moss and mould debris during the life of the system. The membrane must not be waterblasted to avoid damage to the aggregate finish.

Warrantees

- 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
- 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>

Company Product Information

Environmental

- All finishes suitable for collection of potable water – though a coating of Nuraglaze is recommended to keep the system cleaner.

Relationships



Member of New Zealand Green Building Council



Toitu Carbon Zero Certification 2020007J



Date last validated: **06 May 2022**



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