

Certificate no: CMNZ70166

Version: 0

Original issue date: 22 October 2024

Version date: 22 October 2024

1. Certificate Holder Details



Nuralite Waterproofing Ltd

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2. Product Certification Body

Bureau Veritas Australia Pty Ltd

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Melbourne VIC 3000 Australia
product.certification@bureauveritas.com
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Complaints: The complaints process for this certificate can be found here:
www.bureauveritas.com.au/your-feedback

Sam Guindi – Bureau Veritas Product Certification Manager



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Product Certificate

Nuraply TPO Waterproofing Membrane

3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description. [Delete if not applicable]. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

Nuraply TPO Waterproofing Membrane is a single-ply polyester fabric reinforced thermoplastic polyolefin (TPO) membrane. It is grey (and white by indent) and supplied in:

- 1.50mm thick x 3.05m wide x 30.48m long rolls
- 1.50mm thick x 3.65m wide x 30.48m long rolls
- 1.14mm thick x 3.05m wide x 30.48m long rolls

It is also available fleece-backed in 1.50mm thick x 3.0m wide x 30.48m long rolls.

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use. [Delete if not applicable]

Nuraply TPO Waterproofing Membrane is intended to be adhesive bonded or mechanically fixed as waterproofing for roofs, decks parapets and to line gutters. It may also be installed on a cold roof with insulation installed below the substrate or as a warm roof (known as Nuratherm) with Nuratherm Insulation installed above the substrate. Roofs with Nuraply TPO Waterproofing Membrane may be used to harvest potable water.

5. New Zealand Building Code Provisions

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).

How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.

Clause B2 Durability: Performance Clauses B2.3.1 (b)

Clause E2 External moisture: Performance Clauses E2.3.1 (contributes to), E2.3.2, E2.3.7

Clause F2 Hazardous building materials: Performance Clauses F2.3.1

Clause G12 Water supplies: Performance Clauses G12.3.2 (contributes to)



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6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.

Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. Nuraply TPO Waterproofing Membrane is certified for use on buildings:
 - a. where the sub-structure is:
 - i. timber designed in accordance with NZS3604:2011 as a light roof, or
 - ii. concrete or other specifically designed sub-structure designed in accordance with verification method B1/VM1 (Amendment 15) using the structural design actions in AS/NZS1170:2002, and
 - b. situated:
 - i. in Wind Zones, up to, and including Extra High (as defined in NZS 3604:2011), and within the scope limitations of NZBC Acceptable Solution E2/AS1 Third Edition including amendment 10 para 1.1 with regards to building height, or
 - ii. in wind pressures up to a maximum design differential ultimate limit state (ULS) of 6 kPa, and
 - c. where the substrate for the membrane is:
 - i. timber or plywood (CCA or MCA H3.2 treated), or
 - ii. OSB (except on decks), or
 - iii. Concrete (cast in-situ or pre-cast), or
 - iv. Metal - aluminium or steel (including composite roofing panels), or
 - v. Nuratherm PIR Boards (which may be fixed to NPM 900 or other metal tray decks), or
 - vi. RAB boards such as fibre cement sheeting, plywood, gypsum boards when those are used as an upstand behind cladding, and
 - d. where the roof or deck is pitched or nominally flat (1:80) and gutters have a minimum fall of 1:100, and
 - e. where the membrane is subject to pedestrian traffic other than for installation and general maintenance protection provided to the membrane.
2. Nuraply TPO Waterproofing Membrane shall:
 - a. be designed and installed in accordance with the Nuraply TPO Roofing Membrane Installation Manual, 2024 Edition 1.2, and
 - b. be installed by Nuralite Waterproofing Ltd approved applicators (contact certificate holder for list of approved applicators), and
 - c. be separated or protected from heat sources such as fireplaces, heating appliances and chimneys.
3. This certification does not include:
 - a. the design and construction of the substrate and movement / control joints
 - b. the weather tightness design of junctions between building elements on specifically designed buildings
 - c. applications where ancillary components other than those provided by Nuralite Waterproofing Ltd listed in the installation manual are substituted with alternative products.



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7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH & S Statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.

8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B2 Durability - By analysis and comparison with Verification Method B2/VM1

E2 External moisture - By testing and comparison with Acceptable Solution E2/AS1

F2 Hazardous building materials - By comparison with the performance requirements of Building Code clause F2.3.1

G12 Water supplies – By testing and comparison with Acceptable Solution G12/AS1

9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
2. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
3. Acceptable Solutions and Verification Methods Acceptable Solutions and Verification Methods For New Zealand Building Code Clause G12 Water Supplies Third edition (Amendment 13), 2 November 2023
4. BRANZ Appraisal 1177, Nuraply TPO Waterproofing Membrane, 3 June 2021
5. BRANZ Test Report DC13783 Report on Tensile Adhesion Testing on Nuralite Membranes, 17 February 2021
6. Precision Testing Laboratories, Laboratory Report No, 85520, Three TPO Roofing Membranes, 15 October 2009
7. Eurofins Analytical Report: AAS45666, AS/NZS 4020:2018 Compliance Testing Johns Manville TPO roofing membrane
8. NZ Safety Data Sheet JM Nuraply TPO Membrane, 10 June 2021
9. Nuraply TPO Roofing Membrane Installation Manual, 2024 Edition 1.2

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

A number of accessories are intended for use with Nuraply TPO Waterproofing Membrane, and are detailed in the Nuraply TPO Roofing Membrane Installation Manual, 2024 Edition 1.2



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11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

N/A

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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