

Certificate no: CMNZ70174

Version: 0

Original issue date: 2 May 2025

Version date: 2 May 2025

1. Certificate Holder Details



Allco Waterproofing Solutions Ltd
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2. Product Certification Body

Bureau Veritas Australia Pty Ltd
Level 11/500 Collins Street
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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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VERITAS**

Product Certificate

Johns Manville TPO 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.

Johns Manville TPO Membrane is a single-ply, polyester fabric reinforced, thermoplastic polyolefin (TPO) fully bonded waterproofing sheet membrane for roofs and decks, supplied coloured white or grey, in:

- 1.14 mm thick x 1.52 m x 30.48 m, 2.44 x 30.48 m, and 3.04 x 30.48 m rolls
- 1.5 mm x 1.52 x 30.48 m, 2.44 x 30.48 m, and 3.04 x 30.48 m rolls
- 2 mm thick x 1.52 x 22.86 m, 2.44 x 22.86 m, and 3.04 x 22.86 m rolls

It is also available fleece-backed coloured white or grey, in:

- 2.9 mm thick x 3.05 m x 15.24 m rolls
- 3.4 mm thick x 3.05 m x 15.24 m 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]

Johns Manville TPO Membrane is intended to be adhesively bonded as waterproofing for roofs, decks and parapets, and to line gutters. Roofs with Johns Manville TPO 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. Johns Manville TPO 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 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. Plywood (CCA H3.2 treated), or
 - ii. Strandsarking (roofs only), or
 - iii. Concrete (cast in-situ or pre-cast), and
 - d) where the minimum falls are 1:30 for roofs (1:60 for concrete roofs), 1:40 for decks and 1:100 for gutters, and
 - e) where the membrane is subject to pedestrian traffic other than for installation and general maintenance, protection is provided to the membrane.
2. Johns Manville TPO Membrane shall:
 - a) be designed and installed in accordance with the JM TPO Installation Guide, and
 - b) be installed by Allco Waterproofing Solutions 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 Allco Waterproofing Solutions Ltd listed in the installation guide 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 14), 2 November 2024
4. NZS3604:2011 Timber framed buildings
5. AS/NZS1170:2002 Structural Design Actions
6. BRANZ Appraisal No 1046 [2023], JOHNS MANVILLE TPO MEMBRANE, 24 May 2024
7. Allco JM TPO Safety Data Sheet, June 2023.
8. Eurofins Analytical Report: ABG61717, ALLCO JM TPO: JM TPO White Colour and JM TPO Gray Colour; TPO membrane for Roofing waterproofing applications., Version 1 22 August 2023



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10. Supporting Information About Description (Optional)

Any supporting information for section 3.

The following components of the Johns Manville TPO Membrane are supplied by Allco Waterproofing Solutions Ltd:

- JM TPO 45 mil – a 1.14 mm thick membrane manufactured using an ultraviolet (UV) resistant TPO formulation. It is available in roll sizes (width x length) of 1.52 x 30.48 m, 2.44 x 30.48 m, and 3.04 x 30.48 m and are coloured white or grey.
- JM TPO 60 mil – a 1.5 mm thick membrane manufactured using an UV-resistant TPO formulation. It is available in roll sizes (width x length) of 1.52 x 30.48 m, 2.44 x 30.48 m, and 3.04 x 30.48 m and are coloured white or grey.
- JM TPO 80 mil – a 2 mm thick membrane manufactured using an UV-resistant TPO formulation. It is available in roll sizes (width x length) of 1.52 x 22.86 m, 2.44 x 22.86 m, and 3.04 x 22.86 m and are coloured white or grey.
- JM TPO FB 115 – a 2.9 mm thick TPO membrane with a reinforced polyester fabric and integral polyester fleece backing. It is available in roll sizes (width x length) of 3.05 x 15.24 m and are coloured white or grey.
- JM TPO FB 135 – a 3.4 mm thick TPO membrane with a reinforced polyester fabric and integral polyester fleece backing. It is available in roll sizes (width x length) of 3.05 x 15.24 m and are coloured white or grey.
- Allco Roof-Tac Contact Adhesive – a spray-applied contact adhesive for use with smooth-backed TPO membranes and is available in 17 kg canisters.
- Aquaknight Roof Drain Outlet – a stainless-steel dome with extended leaf guard, with a PVC-UDWV pipe, side or bottom exit, and is 80 mm in diameter.

A number of accessories intended for use with Johns Manville TPO Membrane are detailed in the JMTPO Installation Guide and listed in the BRANZ Appraisal No 1046.

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



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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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