

Certificate no: CMNZ70176

Version: 1

Original issue date: 15 April 2025

Version date: 17 August 2026

1. Certificate Holder Details



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2. Product Certification Body

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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

Viking Enviroclad Sure-Weld 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. 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.

Viking Enviroclad Sure-Weld TPO Waterproofing Membrane is single ply, polyester fabric reinforced, thermoplastic polyolefin (TPO) waterproofing sheet membrane, available in white and grey and supplied in rolls:

1.14 mm thick

- 2.44 m / 3.0 m / 3.66 m / 4.88 m wide × 30.4 m long

1.52 mm thick

- 2.44 m / 3.0 m / 3.66 m / 4.88 m wide × 30.4 m long

2.52 mm thick FleeceBack

- 3.6 m wide × 30.4 m long

2.92 mm thick FleeceBACK RL

- 3.05 m wide × 30.4 m long

Viking Roofspec also supplies Enviroclad TPO in Slate Gray, Medium Bronze, Rock Brown, Patina Green, and Ironsand, available in 1.52 mm thick, 3.0 m wide × 30.4 m long rolls only.

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.

Viking Enviroclad Sure-Weld TPO Waterproofing Membrane is an adhesive bonded or mechanically fixed waterproof membrane for roofs, decks, parapets and gutters. It may also be installed on a cold roof with insulation installed below the substrate or as a warm roof with insulation installed above the substrate.

It is suitable for use with the substrates listed in section 6. Conditions and Limitations of Use below.



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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.

B2 Durability: B2.3.1 (b)

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

F2 Hazardous building materials: F2.3.1

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. Viking Enviroclad Sure-Weld TPO Waterproofing Membrane is certified for use on buildings:

- a. where the sub-structure is:
 - i. timber designed in accordance with NZS3604 as a light roof, or;
 - ii. concrete or other specifically designed sub-structure designed in accordance with B1/VM1, and;
- b. situated:
 - i. in Wind Zones, up to, and including Extra High (as defined in NZS 3604), and within the scope limitations of E2/AS1 para 1.1.1.1 with regards to building height, or;
 - ii. in wind pressures up to a maximum design differential ultimate limit state (ULS) of:
 - a) 6.5 kPa when fully bonded or;
 - b) 2.7 kPa when fixed using either of the mechanical fastening methods (HP-X Fasteners and Piranha Plates or Rhino Bond System), and;
 - iii. in any exposure zone (as defined in NZS3604) except microclimates; and
- c. with substrates of:
 - i. plywood, or;
 - ii. suspended concrete slab, or;
 - iii. glass tissue faced PIR insulation (Kingspan Therma TR27), or;
 - iv. Fibreglass faced DensDeck Prime Coverboard (6.4 mm minimum), or;
 - v. Carlisle SecurShield HD RapidLock Coverboard (13 mm), and;
- d. where the roof or deck is pitched or nominally flat (minimum fall 1:80) and gutters have a minimum fall of 1:100.



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2. Viking Enviroclad "Sure-Weld TPO" Waterproofing Membrane shall:

- be designed and installed in accordance with the Viking Enviroclad Applicator Handbook VK Edition V4 2024 and Details, and;
- be installed by Viking Approved Applicator or Approved installer (see <https://www.vikingroofspect.co.nz/find-an-applicator/> to find an approved installer), and;
- be protected where the membrane is subject to pedestrian traffic other than for installation and general maintenance, and;
- be separated or protected from heat sources such as fireplaces, heating appliances and chimneys.

3. This certification does not cover:

- the design and construction of the substrate and movement / control joints;
- the weather tightness design of junctions between building elements on specifically designed buildings;
- applications where ancillary components other than those provided by Viking Roofspect Limited listed in the installation manual are substituted with alternative products;
- PIR insulation incorporated into warm roof construction.

4. Installation of PIR and rigid coverboard systems shall be in accordance with Holmes Solutions Engineering Report 144942.00 RP 1129 (v1.4) and RB03 Technical Document. Mechanical fastening via RhinoBond system (VWR005/VWR006 plates with Carlisle HP-X or HD14-10 fasteners and EJOT EcoTek plastic washers) verified for maximum 2.7 kPa ULS wind pressure.

5. RapidLock systems (SecurShield HD RL board + FleeceBACK RL membrane) shall use proprietary hook-and-loop attachment method only.

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 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



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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. B2 Durability, Verification Method B2/VM1, Durability of buildings elements using in-service history, laboratory testing, and comparisons to similar materials, Third edition, 28 July 2025.
2. E2 External Moisture, Acceptable Solution E2/AS1, External moisture provisions for timber-framed buildings up to 10 m in height, Fourth edition, 28 July 2025.
3. BRANZ Appraisal No. 656 (2020), Viking Enviroclad Roofing and Deck Membrane, amended, 28 March 2024.
4. BRANZ Appraisal No. 713 (2018), Viking Warm Roof and Warmspan System, amended, 16 April 2025.
5. BBA Agrément Certificate 21/5986, Carlisle Sure-weld Roof Waterproofing Systems, 14 February 2022.
6. Holmes Solutions Engineering Report 144942.00 RP 1129 (v1.4), Viking Roofspec WarmSpan2 Structural Testing, 16 June 2023.
7. BRANZ Test Report DC13113, Report on Tensile Adhesion Testing Viking Roof Build-ups, 7 July 2020.
8. ASTM C1289 Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board, 2023.
9. Carlisle SecurShield HD RapidLock RL Polyiso Insulation Product Data Sheet, 2023.
10. Carlisle FleeceBACK TPO Membranes Product Data Sheet, 2023.
11. Viking Roofspec Enviroclad Applicator Handbook, VK_Edition-V4-2024.

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

Components and accessories intended for use with Viking Enviroclad Sure-Weld TPO Waterproofing Membrane are detailed in the Viking Enviroclad Applicator Handbook VK Edition V4 2024:

Adhesives

- Sureweld bonding adhesive
- Viking cav-grip III
- Flexible fast dual cartridge adhesive

Fixings

- HP-X fasteners
- Piranha plates
- Rhino bond plates



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Sealants

- Enviroclad cut edge sealant (clear)
- Water cut-off mastic
- Enviroclad universal sealant

Cleaners/primers for surface preparation

- Enviroclad weathered membrane cleaner
- Hp splice wipes

Corners etc

- Enviroclad outside and inside corners
- Enviroclad non-reinforced membrane
- Enviroclad t-joint covers
- Enviroclad pipe seal
- Enviroclad split pipe boot
- Enviroclad tpo pourable sealer pockets
- Enviroclad white one-part pourable sealer
- Primer weatherbond
- Laptape

Accessories

- Enviroclad walkway proprietary non-slip TPO walkway mat with edges trimmed in safety yellow
- Enviroclad scupper outlets
- Enviroclad scupper overflow
- Sumps with TPO weldable flanges
- Leaf and gravel grates
- Clamp ring roof drains and overflows
- Overflow soffit trim
- Overflow hat
- Termination flashing
- Pedestal system – for use over Enviroclad membrane to support a floating trafficable deck
- Enviroclad Rooftrak Anchor System
- Ejot fixing bar



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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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