

Viking Butylclad

Version: BC-PTS-V1

Product description

Viking Butylclad Waterproofing Membrane exemplifies Viking Roofspec's commitment to delivering innovative and reliable solutions that address the unique challenges of low-slope roofing and gutter systems. Its exceptional blend of materials (70% Butyl and 30% EPDM), coupled with its impressive warranties, makes it a trusted choice for architects, contractors, and property owners seeking top-tier waterproofing solutions.

Viking Butylclad Waterproofing Membrane is designed to provide protection for low-slope roofs and gutters. Crafted with precision and innovation, this membrane offers a range of features that ensure superior performance, durability, and ease of installation.

Key Features and Benefits:

- **Advanced Composition:** Viking Butylclad is expertly crafted from a blend of high-quality materials, with a formulation consisting of 70% butyl and 30% EPDM (ethylene propylene diene monomer) rubber. This unique combination imparts exceptional UV resistance and elongation properties, setting it apart from traditional 100% butyl membranes.
- **UV Resistant:** The incorporation of EPDM rubber enhances the membrane's ability to withstand harsh UV exposure, contributing to a prolonged service life and maintaining its integrity over time.
- **Elongation Properties:** Viking Butylclad's impressive elongation properties allow it to flex and adapt to the natural movements of roofing structures. This elasticity minimizes the risk of cracks and leaks caused by structural shifts.
- **Pliable and Easy to Handle:** Its pliable nature ensures straightforward handling and installation, making it suitable for even complex roofing configurations.
- **Paint Compatibility:** For enhanced customization and integration with architectural designs, Viking Butylclad can be painted using approved paint systems.
- **Professional Installation:** To ensure optimal results, Viking Butylclad is exclusively installed by Viking Approved Applicators, guaranteeing a high-standard application process.
- **Long-Term Assurance:** Backed by a robust 20-year product warranty, Viking Butylclad provides long-lasting protection and peace of mind for both residential and commercial projects.
- **Color and Thickness Options:** Choose from classic black or grey colors, and select the appropriate thickness (1.0mm or 1.5mm) based on your project's specific requirements.
- **Convenient Roll Dimensions:** Viking Butylclad comes in roll widths of 1350mm, with roll lengths of 20m for the 1.5mm thickness variant and 25m for the 1.0mm thickness variant, ensuring efficient coverage and installation.
- **Full System Warranty Option:** For comprehensive coverage, an extended 20-year Full System Warranty option is available, offering complete reassurance when integrated as part of a complete roofing system.
- **BRANZ Appraisal:** With a BRANZ Appraisal (Appraisal No. 307), Viking Butylclad underscores its quality and suitability for roofing applications, meeting stringent industry standards.

Purpose and use

- Viking Butylclad Membrane has been appraised for use as a waterproofing membrane for buildings within the following scope:
- Scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- With timber supporting structures designed and constructed in accordance with the NZBC; and,
- With nominally flat or pitched roofs constructed to drain water to gutters and drain outlets complying with NZBC; and,
- With substrates of plywood sheet and concrete structures.

Viking Butylclad Membrane has also been appraised for use as a waterproofing membrane for external concrete and plywood roofs and decks for buildings within the following scope:

- Up to 3 storeys with a maximum height from ground to eaves of 10m and with a floor plan area limited only by seismic and structural control joints.

Conditions

- The product is suitable for use as a roof and deck waterproofing membrane on buildings within the scope limitations of NZS 3604:2011 and NZBC Acceptable Solution E2/AS1, Paragraph 1.1, or NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area when subject to specific structural design.
- The product is suitable for use in NZS 3604:2011 Wind Zones, up to, and including Extra High.
- The product can be used on substrates of plywood, suspended concrete slab, PIR Polyiso Insulation, or SIP's, subject to specific structural and weathertightness design.
- The weathertightness design of junctions for each specific structure is the responsibility of the building designer.
- Butylclad will assist with meeting the provisions of the New Zealand Building Code clauses B1 and B2, provided it is employed in accordance with the supplier's installation and maintenance requirements.
- Butylclad is suitable for use in all Climate Zones as defined in NZBC H1/AS1 and all Exposure Zones as defined in NZS3604.
- Butylclad should be protected with a floating deck surface on pedestals.
- The product has proprietary accessories available to ensure a complete water-tight roof system.

It is important to note that these conditions must be carefully considered and followed to ensure the product performs as expected and meets the building code requirements. The building designer and installer should refer to the technical statement for specific installation and maintenance requirements to ensure a successful project outcome.

Compliance with the New Zealand Building Code

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, B2.3.1(b)
- Clause E2 External moisture: Performance E2.3.1, E2.3.2
- Clause F2 Hazardous building materials: Performance F2.3.1

Design, construction, and installation instructions

Product specification and incorporation of Viking Butylclad Membranes into the building design shall be carried out by a designer/architect/engineer or a building professional who:

Is qualified to design the buildings covered under the 'Scope' of use of this product.

Has ready access to the technical specifications including installation details and standards referenced in the BRANZ Appraisal No. 307 (2013) where the design limitations are outlined for the scope of this PTS.

Installation Requirements

Installation of the structural Roof elements must always be carried out in accordance with the Viking System Technical Literature and under the supervision of a Licensed Building Practitioner (LBP) with the relevant License Class.

Installation of the Viking supplied system shall be carried out by a Viking Roofspec trained and licensed installer. Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the current Branz Appraisal, Viking Epiclad PDS and Viking Epiclad Installation Guides

Maintenance Requirements

The membrane roof system must be regularly checked (twice annually) for damage, rubbish, and debris particularly around drainage points. Damage, such as small punctures and tears must be repaired and coatings reapplied as recommended by Viking Roofspec Ltd. Special care must be taken when inspecting the membrane roof systems to ensure the continuing prevention of moisture ingress, and repairs must be undertaken when required. Drainage outlets must be maintained to operate effectively.

*Refer to maintenance care guide for specified membrane:

July 2023

PRODUCT TECHNICAL STATEMENT



Quality assurance

- Branz Appraisal No 307
- Masterspec
- Viking Butylclad Details
- Viking Butylclad PTS
- Viking Butylclad PDS

Warranty information

Viking Butylclad is backed by Vikings 20-year product warranty with Certificate of Workmanship provided by Viking Approved Applicator companies. Specific projects may be eligible for Viking's Full System Warranty (FSW), which must be applied for directly with Viking Roofspec and is a process that warrants the full installation of product and workmanship in one document, conditions apply. Viking Roofspec only supply Viking Membrane to our Approved Applicator network of Viking Licensed Installers.

FSW: Only Approved Applicator Companies with Installers licensed to Level 2 of Viking training may install for Viking Full System Warranty projects - Contact Viking Roofspec for more information

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