

Viking Roofspec Epiclad (EPDM) Rubber Waterproofing Membrane

Product Technical Statement: 100757



Waterproofing membrane manufactured from EPDM rubber polymer for a range of applications.

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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



Viking Roofspec confirms that this minimum level of assurance has been met or exceeded by the following:
[BRANZ Appraisal 307 \(2019\)](#)

Technical Statement

Product Description

Viking Epiclad is an ideal waterproofing membrane solution for roofs (particularly more open, expansive roof areas), decks (particularly floating decks), pondliners, reservoirs and other above and below ground waterproofing. It is suitable for homes and buildings both on the coast and inland.

It is made from EPDM, an inert polymer made by co-polymerising Ethylene and Propylene with small amounts of another polymer.

- With its wide sheets (2.1m, 3.0m or 6.0m wide), Viking Epiclad offers lower labour cost and less time for installation and less joins on the job.
- Excellent elasticity, tensile and elongation properties.
- Virtually indestructible by UV, ozone and weathering.
- Manufactured from EPDM rubber polymer in the USA by Carlisle Syntec Systems Inc - the USA's largest EPDM sheet rubber manufacturer.
- BRANZ appraised and complies with E2/AS1 as an "Acceptable Solution".
- 20 year product warranty and eligible for comprehensive full system warranty.

Masterspec reference - 4422VB

Scope of use

Viking Epiclad 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.

Viking Epiclad Membrane has also been appraised for use as a waterproofing membrane for external reinforced 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.

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 B1 Structure:** Performance B1.3.1
- **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

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



BRANZ Appraisal
[307 \(2019\)](#)



masterspec partner

Company Contact Details

**Viking
Epiclad**

Brand: Viking Roofspec

Company: Viking Roofspec

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Product Criteria

Design requirements

Product specification and incorporation of Viking Epiclad 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 where the design limitations are outlined for the scope of this PTS.

The Viking Epiclad system comes with a range of accessories including sumps, scuppers and overflows.

Installation requirements

Installation shall only 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 BRANZ Appraisal No. 307 (2013) and Viking Roofspec Rubber Applicator Handbook, version 1.1 (17/07/2013). Long term properties of the material may be affected by contact with petroleum-based products such as oils, greases and solvents.

Maintenance requirements

No maintenance of the membrane is normally required provided significant substrate movement does not occur. In the event of damage to the membrane, the membrane must be repaired by removing the damaged portion and applying a patch as for new work. Drainage outlets must be maintained to operate effectively.

Warrantees

Viking Epiclad is backed by a 20-year product warranty. For specific projects, Epiclad can be eligible to be covered by Viking's Full System Warranty. This warranty covers the product and installation in one document.

Company Product Information

Environmental

Epiclad has a potable water certificate - drinking water can be collected off an Epiclad roof.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



Date last validated: **07 July 2020**



Date last updated: **07 July 2020**

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