

CERTIFICATE OF CONFORMITY

This product Certificate is issued under Section 269 of the Building Act 2004 for:



Viking Bituclad Waterproofing Membranes

Page 1 of 2



Product Description

Viking Bituclad Waterproofing Membranes are a range of torch-applied reinforced modified-bitumen membranes for use as fully bonded double-layer roof waterproofing membranes on nominally flat and pitched roofs. There are two types of systems: SBS and APP. Each system is comprised of a first 3mm thick modified bitumen layer, torch applied sheet waterproofing membrane with a sand surface which is used as the base layer and a second 4mm thick modified bitumen layer, torch applied sheet waterproofing membrane with an upper layer of mineral chip. This second layer is referred to as a cap sheet.

- The SBS system details are: Bituclad base sheet SEM527 & either Bituclad Mineral Sheet SEM549 or Bituclad Mineral Sheet SEM550
- The APP system details are: Bituclad base sheet SEM427 & either Bituclad Mineral sheet SEM445 or Bituclad Mineral Sheet SEM449

The ancillary components supplied by Viking Roofspec are as follows

- | | |
|--|---|
| Torch on primer solvent based SES299 | Torch on primer water based SES300 |
| Dropper outlets IMT400 & IMT401 | Roof vents IMV111, IMV112 |
| Roof Outlets Sure fix drain/grate IMT500, IMT 501 & IMT502 | Scuppers IMT100, IMT101, IMT102, IMT104 |
| Overflow IMT105 | Leaf/gravel grates IMT301, IMT302, IMT303, IMT304 |
| Drain SDM049 | Sump IMR100, IMR120 and IMR130 |

Product purpose and use

1. Viking Bituclad Waterproofing Membranes have been assessed as roof waterproofing membranes on buildings within the following scope:
 - the scope limitations of NZS 3604:2011 and NZBC Acceptable Solution E2/AS1, Paragraph 1.1; or,
 - the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area when subject to specific structural design; and,
 - situated in NZS 3604:2011 Wind Zones, up to, and including Extra High; and,
 - with substrates of plywood or suspended concrete slab; and,
 - with a minimum fall for roofs of 1:30 (2 degrees).
2. Viking Bituclad Waterproofing Membranes have also been assessed for use as roof waterproofing membranes on buildings within the following scope:
 - subject to specific structural and weathertightness design situated in wind pressures up to a maximum design differential ultimate limit state (ULS) of 6 kPa; and,
 - with substrates of plywood or suspended concrete slab.

Certificate holder

Viking Roofspec, A Division of Viking Group Ltd , PO Box 14 541, Panmure, Auckland
 Free phone: 0800 729 799, Free fax: 0800 729 788, Email: info@vikingroofspec.co.nz
 Web: www.vikingroofspec.co.nz

CodeMark Certification Body		19/11/2014	10/6/2015	19/11/2017	GM-CM30053-RevB
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia www.Global-Mark.com.au	Herve Michoux Managing Director	Date of issue	Last update	Date of next re-certification	Certificate Number

The purpose of construction site audits is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In issuing this certificate, Global-Mark has relied on the independent expert and/or laboratory advise or reports. This certificate is issued by Global-Mark Pty Limited, an independent certification body accredited by the product certification accreditation body (JAS-ANZ) appointed by the Chief Executive of the Ministry of Business Innovation and Employment under the Building Act 2004. The Ministry of Business Innovation and Employment does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry of Business Innovation and Employment disclaims, to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate. This Certificate may only be reproduced in its entirety.

It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the Ministry of Business Innovation and Employment website, <http://www.mbie.govt.nz/>
 New Zealand Building Code (NZBC) references the Building Code in force at the time of issuing the product certificate

CERTIFICATE OF CONFORMITY

This product Certificate is issued under Section 269 of the Building Act 2004 for:

Viking Bituclad Waterproofing Membranes

Page 2 of 2



Compliance with the New Zealand Building Code (NZBC):

Viking Bituclad Waterproofing Membranes if designed, used, installed and maintained in accordance with the scope of this Certificate, will meet the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1, and B1.3.4 (b) (c) (d) (e) for the relevant physical conditions of B1.3.3 (p). Viking Bituclad Waterproofing Membranes meet this requirement.

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years. Viking Bituclad Waterproofing Membranes meet this requirement.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.1, E2.3.2 and E2.3.7 (b) and (c). Viking Bituclad Waterproofing Membranes meet these requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Viking Bituclad Waterproofing Membranes meet this requirement and will not present a health hazard to people.

Subject to the following conditions and limitations:

1. Maintaining the validity of and compliance with the BRANZ Appraisal No. 567 (2014) Viking Bituclad Waterproofing membranes.
2. Subject to regular inspection and maintenance in accordance with of BRANZ Appraisal No. 567 (2014) and the Code of PRACTICE for Torch-on Membrane Systems for Roofs ,1st Edition, October 2008
3. The Viking Bituclad Waterproofing system can only be used with the ancillary components provided by Viking Roofspec listed in the product description section of this certificate. Where these components are substituted with alternative products, these applications fall outside the scope of this Certification.

Design Conditions:

1. Product specification and incorporation of the Viking Bituclad Waterproofing 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 both the BRANZ appraisal No. 567 (2014) and this certificate.
2. Roofs must be designed and constructed in accordance with the following limitations:
 - constructed to suitable falls as follow:
 - Roof falls must be built into the substrate. The minimum fall to roofs is 1 in 30 (2 degrees) and gutters is 1 in 100 (0.5 degrees). All falls must slope to an outlet. Inadequate falls will allow moisture to collect and increase the risk of deterioration of the membrane.
Note: Where possible BRANZ recommends a minimum 1:60 (1 degree) slope for gutters.
 - Allowance for deflection and settlement of the substrate must be made in the design of the roof to ensure falls are maintained and no ponding of water can occur; and,
 - with no integral roof gardens.
3. The design and construction of the substrate and movement and control joints is specific to each building, and therefore is the responsibility of the building designer and building contractor and is outside the scope of this Certification.
4. When used in structural and weather tightness design situated in wind pressures up to a maximum design differential ultimate limit state (ULS) of 6 kPa; on substrates of plywood or suspended concrete slab; the weather tightness design of junctions for each specific structure is the responsibility of the building designer and is outside the scope of this Certification.

Product Installation Conditions:

1. Installation shall be carried out by a Viking Roofspec trained and licensed installer.
2. 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 567 (2014), the Code of PRACTICE for Torch-on Membrane Systems for Roofs ,1st Edition, October 2008 and Viking Roofspec Enviroclad Applicator Handbook, version 1.1 (17/07/2013).
3. Long term properties of the material may be affected by contact with petroleum-based products such as oils, greases and solvents.

End of the record