

CERTIFICATE OF CONFORMITY

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

Viking GM Torch On Membrane Systems



Page 1 of 2



Product Description

Viking GM torch On Membrane Systems are a range of torch-applied reinforced modified-bitumen membranes for use as fully bonded double-layer torch on waterproofing membranes on nominally flat and pitched roofs. There are three types of systems:

	Base sheet	Cap Sheet Grey	Cap Sheet Black
Lybra SBS	SEM227	SEM248	SEM245
Gemini APP	SEM327	SEM348	SEM345
Phoenix Super APAO	SEM127	SEM148	SEM145

The base sheet is a 3mm thick APP/3mm thick SBS/4mm thick APAO modified non-woven polyester/fibreglass composite reinforced, torch on bitumen membrane. The cap sheet is a 4mm thick APP/4mm thick SBS/4mm thick APAO modified, non-woven polyester/fibreglass composite reinforced, torch on bitumen membrane finished in various ceramic chip colours. All sheets are delivered in 1m x10m rolls.

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	Elastigum SES015

Pegasus Spot vent sheet SEM400 Sump IMR100, IMR120 and IMR130

Product purpose and use

- Viking GM torch On Membranes Systems 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).
- Viking GM torch On Membranes Systems 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

CodeMark Certification Body		08/04/2018		08/04/2021	GM-CM30092-RevA
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia Tel: +61 (0)2 9886 0222 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 holder will notify Global-Mark Pty Ltd in accordance with Regulation 15 of the Building (Product Certification) Regulations 2008

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Page 2 of 2



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Compliance with the New Zealand Building Code (NZBC):

Viking GM torch On Membranes Systems 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 GM torch On Membranes Systems meet these requirements.

Clause B2 DURABILITY: Performance B2.3.1 (b) and B2.3.2 (a), 15 years. Viking GM torch On Membranes Systems meet this requirement.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.1, E2.3.2 and E2.3.7 (b) and (c). Viking GM torch On Membranes Systems meet these requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Viking GM torch On Membranes Systems 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. 948 (2017) Viking GM Torch On Membranes.
2. Subject to regular inspection and maintenance in accordance with of BRANZ Appraisal No. 948 (2017) and the Code of Practice for Torch-on Membrane Systems for Roofs ,1st Edition, October 2008
3. The Viking GM torch On Membranes Systems 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 GM torch On Membranes Systems 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. 948 (2017) 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 948 (2017), the Code of PRACTICE for Torch-on Membrane Systems for Roofs ,1st Edition, October 2008.
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