

**PRODUCT DATA SHEET**

Edition 09.2013/v1

# Sarnafil® G459 Flashing Membrane

<b>Description</b>	Sarnafil® G459 Flashing Membrane is a heat-weldable roofing membrane formulated for direct exposure to the weather and is produced with an integral fiberglass mat reinforcement for dimensional stability. It is used to flash roof penetrations within a Sika® Sarnafil® roof system. G459 Flashing Membrane can be adhered directly to asphalt or other contaminated substrates and can be exposed to environmental aggressors.
<b>Composition</b>	Sarnafil® G459 Flashing Membrane is a high quality product containing PVC resin, pigments, stabilizers, ultraviolet absorbers, and a fiberglass carrier sheet.  The membrane is white on one side and tan on the other. It is 1.5 mm (60 mil) thick.  <b>Note:</b> whenever using the membrane on contaminated substrates, the tan side of the membrane must always be the contact face. Similarly, where the finished roof is subject to contaminants after installation, it must be the tan side of the membrane which is exposed to such.
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ G459 Flashing Membrane’s glass reinforcement makes it highly dimensionally stable which is ideal for adhered flashing applications at walls, terminations and penetrations.</li> <li>▪ G459 Flashing Membrane is resistant to asphalt and many other rooftop contaminants.</li> </ul> <p>Sika Canada recommends testing for compatibility. Contact Sika Canada for more information</p>
<b>Codes and Approvals</b>	Sika® Canada’s Adhered Systems using G410 PVC membranes are classified by Underwriters Laboratories, Inc., Underwriters Laboratories of Canada, FM Global, Miami-Dade and Florida Building Code. Sarnafil® membranes also meet the material requirements of International Building Code.
<b>Packaging/Storage</b>	G459 Flashing Membrane rolls are provided individually and are sealed for shipping.  Individual rolls <ul style="list-style-type: none"> <li>▪ 2 x 19.8 m (6.5 x 65 ft) – Unit weight: 76.2 kg (168 lb)</li> <li>▪ 1 x 19.8 m (3.25 x 65 ft) – Unit weight: 37.6 kg (83 lb)</li> </ul>
<b>Installation</b>	G459 Flashing Membrane is installed by Sika Canada Authorized Applicators on walls curbs and certain other penetrations using Sika Canada’s Sarnacol adhesives. The seams are then heat welded together by trained operators using Sarnafil®’s hot-air welding equipment.
<b>Availability</b>	Sarnafil® G459 Flashing Membrane is available directly from Sika Canada Authorized Applicators when used within a Sika® Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit our website at <a href="http://www.sika.ca">www.sika.ca</a> for further information.
<b>Warranty</b>	Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.
<b>Maintenance</b>	Sarnafil® G459 Flashing Membrane requires no maintenance. As a prudent preventative measure, Sika Canada recommends that the Owner or that the Owner’s designated representative inspect the installed roof system for damage, plugged drains, weathered sealants, etc. at least twice a year and after each storm.

**Technical Support** Sika Canada provides technical support. Technical staff is available to advise applicators as to the proper installation method.

**Technical Data**

*(as manufactured):*

Parameters	ASTM Test Method	Typical Physical Properties
Reinforcing Material	--	Fiberglass
Overall Thickness, min.	D638	1.5 mm (0.060 in)
Tensile Strength, min.	D638	11.1 MPa (1600 psi)
Elongation at Break, min.		270% M.D. 250% C.M.D.
Seam Strength*, min.	D638	80% of tensile strength
Retention of Properties After Heat Aging	D3045	--
Tensile Strength, min.	D638	95 % of original
Elongation, min.	D638	90 % of original
Tearing Resistance, min.	D1004	63.0 N (14 lbf)
Low Temperature Bend, -40°C (-40°F)	D2136	Pass
Accelerated Weathering Test (Florescent Light, UV exposure)		Pass
Cracking (7x magnification)	G154	None
Discoloration (by observation)	--	Negligible
Crazing (7x magnification)	--	None
Linear Dimensional Change	D1204	0,02 %
Weight Change After Immersion in Water	D570	2,5 %
Static Puncture Resistance, 15 kg (33 lbf)	D5602	Pass
Dynamic Puncture Resistance, 10 J (7.3 ft-lbf)	D5635	Pass

\* Failure occurs through membrane rupture not seam failure.

**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

**KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY**

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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