

PRODUCT DATA SHEET

Sarnafil® G 459-60

G 459 is a PVC thermoplastic membrane that may be used in contact with asphalt or other contaminated surfaces or as a grid strip in waterproofing applications

PRODUCT DESCRIPTION

G 459-60 can be adhered directly to asphalt or other contaminated surfaces. It is formulated for direct exposure to the weather, is heat-weldable and produced with an integral fiber glass mat reinforcement for dimensional stability. G 459-60 is used as a flashing membrane within Sarnafil® and Sikaplan® roofing and waterproofing systems.

G 459-60 is also used in conjunction with Sikaflex-11 FC or Sarnafiller adhesives to construct sub-membrane water stops within the Sarnafil grid waterproofing system.

USES

G 459 is used in Sarnafil and Sikaplan roofing and waterproofing flashing details where contaminated surfaces may be present, or used as a grid strip in Sarnafil waterproofing applications.

AREAS OF APPLICATION

- Flashing pipes
- Inside/outside corners
- Parapet walls
- Penetrations
- Grid strips

CHARACTERISTICS / ADVANTAGES

- Back side resistant to asphalt
- Glass reinforced for dimensional stability and durability
- Lacquer coated top surface to reduce dirt pick up
- Available in full width or pre-cut rolls

PRODUCT INFORMATION

Chemical Base	High-quality product containing PVC resin, pigments, stabilizers, ultraviolet absorbers, and a fiberglass carrier sheet. The standard color is white on tan. The tan side of the membrane must be the side exposed to the contamination.	
Reinforcing Material	Fiberglass	
Packaging	60 mil (1.5 mm) Membrane 6.5 ft x 65 ft (2 m x 20 m) roll, 163 lbs (74 kg) per roll, 19 rolls per pallet 3.25 ft x 65 ft (1 m x 20 m) roll, 81 lbs (37 kg) per roll, 40 rolls per pallet Grid Strip: 1 ft x 100 ft (0.3 m x 30.5 m) roll, 39 lbs (17 kg) per roll	
Appearance / Color	Top Side: White Bottom Side: Tan	
Shelf Life	N/A	
Storage Conditions	Store rolls on pallets and fully protected from the weather with clean canvas tarpaulins. Unvented polyethylene tarpaulins are not accepted due to the accumulation of moisture beneath the tarpaulin in certain weather conditions that may affect the ease of membrane weldability.	
Overall Thickness	60 mil (1.5 mm), minimum thickness	(ASTM D-751)
Mass per Unit Area	0.39 lb/ft ² (1.88 kg/m ²)	

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass	(ASTM D-5602)
Resistance to Dynamic Puncture	Pass	(ASTM D-5635)
Tensile Strength	80 lbf (356 N)	(ASTM D-751)
Elongation at Break	250 & 250% MD and CMD ¹	(ASTM D-638)
	¹ MD = Machine Direction, CMD = Cross Machine Direction	
Linear Dimensional Change	0.02%	(ASTM D-1204)
Tear Strength	14 lbf (63 N)	(ASTM D-1004)
Seam Strength	80% of original ²	(ASTM D-751)
	² Failure occurs through membrane rupture not seam failure.	
Low Temperature Bend	Pass -40°F (-40°C)	(ASTM D-2136)
Retention of Properties after Heat Ageing	Tensile Strength, % of original: 95 Elongation, % of original: 90	(ASTM D-3045)
UV Exposure	10,000 hours 5,000 hours	(ASTM G-154)
	Cracking (7x magnification)	None
	Discoloration (by observation)	Negligible
	Crazing (7x magnification)	None

APPLICATION INSTRUCTIONS

APPLICATION

Flashing Membrane:

G 459 is installed on walls, curbs and other penetrations using Sika adhesives. The flashing can be installed horizontally or vertically depending on the specific detail. The seams are heat welded together by trained operators using hot-air welding equipment.

Grid Strip Membrane:

G 459 is installed by an authorized Sika Sarnafil Waterproofing Applicator. Consult with Sika Sarnafil specifications.

MAINTENANCE

Standard maintenance of roofs should include inspections of flashings, drains and termination sealants at least twice a year and after each storm.

AVAILABILITY/WARRANTY

AVAILABILITY

From Sika Corporation - Roofing Authorized Applicators for use within Sarnafil or Sikaplan systems.

WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Sarnafil

100 Dan Road
Canton, MA 02021
Phone: +1 800-451-2504
Fax: +1 781-828-5365
usa.sika.com/sarnafil
webmaster.sarnafil@us.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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