

PRODUCT DATA SHEET

Sarnafil® S 459-60

60 mil thick PVC thermoplastic membrane

PRODUCT DESCRIPTION

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

Sarnafil S 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

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
- Polyester reinforced for strength 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, pigment, stabilizers, ultraviolet absorbers, and a polyester 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	Polyester	
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)

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass	(ASTM D-5602)
Resistance to Dynamic Puncture	Pass	(ASTM D-5635)
Tensile Strength	305 lbf (1356 N)	(ASTM D-751)
Elongation	28.5 & 29.5% MD & CMD ¹ <small>¹ MD = Machine Direction, CMD = Cross Machine Direction.</small>	(ASTM D-751)
Linear Dimensional Change	-0.12%	(ASTM D-1204)
Tear Strength	48 lbf (213 N)	(ASTM D-1004)
Seam Strength	Pass	(ASTM D-751)
Low Temperature Bend	Pass	(ASTM D-2136)
Retention of Properties after Heat Ageing	Tensile Strength, % of original: Pass Elongation, % of original: Pass	(ASTM D-3045) (ASTM D-751)
UV Exposure	10,000 hours	(ASTM G-154)
	Cracking (7x magnification)	None
	Discoloration (by observation)	Negligible
	Crazing (7x magnification)	None
Weight Change after Immersion in Water	2.0%	(ASTM D-570)

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.

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 in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

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.

APPLICATION INSTRUCTIONS

APPLICATION

Flashing Membrane:

Sarnafil S 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:

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

MAINTENANCE

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

OTHER RESTRICTIONS

See Legal Disclaimer.

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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Product Data Sheet

Sarnafil® S 459-60
July 2021, Version 01.01
020905112990153002

SarnafilS459-60-en-US-(07-2021)-1-1.pdf

