

PRODUCT DATA SHEET

Sarnafil® S -327-72 Textured

SARNAFIL S 327 ROOF MEMBRANE IS A PVC THERMOPLASTIC MEMBRANE

PRODUCT DESCRIPTION

Sarnafil® S -327-72 Textured Roof Membrane is a PVC thermoplastic membrane produced with an integral polyester reinforcement for high strength, guaranteed for thickness, with heat-weldable seams, and a textured surface.

USES

Sarnafil S 327 is used in mechanically attached applications with various fastening methods, over various substrates.

Areas of Application

- New Roofs
- Reroofs
- Recovers

CHARACTERISTICS / ADVANTAGES

- Excellent tear strength resistance
- Hot-air welded seams for long-term performance
- Superior fire resistance
- Proven membrane performance

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Miami-Dade County
- Florida Building Code
- LEED / Green Globes
- NSF/ANSI 347 : Platinum Certified

PRODUCT INFORMATION

Chemical Base	High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement	
Reinforcing Material	Polyester	
Packaging	72 mil (1.8 mm) Membrane* 10 ft x 100 ft (3 m x 30 m) roll, 471 lbs (214 kg) per roll 4 rolls per pallet 5 ft x 100 ft (1.5 m x 30 m) roll, 236 lbs (107 kg) per roll 9 rolls per pallet <small>* Made to order, minimum volume required, extended production lead times. Consult with Sika – Roofing representative for further information.</small>	
Appearance / Color	<ul style="list-style-type: none"> ▪ Top: Gray ▪ Bottom: Dark Gray 	
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.	
Top surface	Textured	
Overall Thickness	72 mil 45 mil	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
Thickness Above Scrim	Exceed 16 mil	(-) (ASTM Type III D-4434 Spec. Requirement)

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type III D-4434 Spec. Requirement)
Resistance to Dynamic Puncture	Pass 14.7 ft-lbf (20 J)	(ASTM D-5635) (ASTM Type III D-4434 Spec. Requirement)
Tensile Strength	315 lbf (1401 N) 200 lbf (890 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
Elongation at Break	29 & 30 % MD & CMD ¹ 15 & 15 % MD & CMD ¹	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<small>¹ MD = Machine Direction, CMD = Cross Machine Direction.</small>		
Linear Dimensional Change	-0.01 % 0.5 %	(ASTM D-1204) (ASTM Type III D-4434 Spec. Requirement)
Tear Strength	48.5 lbf (216 N) 45 lbf (200 N)	(ASTM D-1004) (ASTM Type III D-4434 Spec. Requirement)
Seam Strength	Pass 75 % of original ²	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<small>² Failure occurs through membrane rupture not seam failure.</small>		
Low Temperature Bend	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type III D-4434 Spec. Requirement)
Retention of Properties after Heat Aging	Tensile Strength, % of original: Pass Elongation, % of original: Pass Tensile Strength, % of original: 90 Elongation, % of original: 90	(ASTM D-3045) (ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)

UV Exposure	10,000 hours	(ASTM G-154)
	5,000 hours	(ASTM Type III D-4434 Spec. Requirement)
	Cracking (7x magnification)	None
	Discoloration (by observation)	Negligible
	Ceazing (7x magnification)	None
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Weight Change after Immersion in Water	Pass ± 3.0 %	(ASTM D-570) (ASTM Type III D-4434 Spec. Requirement)

APPLICATION INSTRUCTIONS

APPLICATION

Sarnafil S 327 is rolled out onto the insulation board or acceptable substrate, flipped over in order to reveal textured side of membrane as the top surface, fastened to the roof deck with appropriate plates and fasteners, and heat-welded together by trained operators using hot-air welding equipment. Please consult Sika's Specification or Applicator Handbook for detailed installation procedures.

MAINTENANCE

Standard maintenance of Sarnafil® and Sikaplan systems should include regular inspection 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.

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Product Data Sheet
Sarnafil® S -327-72 Textured
September 2019, Version 01.01
020905012040183002

SarnafilS-327-72Textured-en-US-(09-2019)-1-1.pdf

