



## PRODUCT DATA SHEET

# Sarnafil® S 327-80 Textured

80 mil thick PVC thermoplastic membrane with textured top surface

### PRODUCT DESCRIPTION

Sarnafil® S 327-80 Textured Roof Membrane is a PVC thermoplastic membrane produced with an integral polyester reinforcement for high strength, with heat-weldable seams, and a textured surface.

### USES

Mechanically attached applications with various fastening methods, over various substrates.

### AREAS OF APPLICATION

- In-seam disc systems
- In-seam batten, double-weld systems
- RhinoBond® systems
- New construction and reroofing

### CHARACTERISTICS / ADVANTAGES

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

### APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- ICC Code Compliance – ESR 1157
- Miami-Dade County
- Florida Building Code
- LEED / Green Globes
- NSF/ANSI 347 : Platinum Certified

## PRODUCT INFORMATION

<b>Chemical Base</b>	High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement	
<b>Reinforcing Material</b>	Polyester	
<b>Packaging</b>	<b>80 mil (2.0 mm) Membrane*</b> 10 ft x 100 ft (3.05 m x 30.5 m) roll, 520.29 lbs (236 kg) per roll, 6 rolls per pallet 6.56 ft x 65.6 ft (2 m x 20 m) roll, 168 lbs (76 kg) per roll, 19 rolls per pallet <small>* Made to order, minimum volume required, extended production lead times. Consult with Sika – Roofing representative for further information.</small>	
<b>Shelf Life</b>	N/A	
<b>Storage Conditions</b>	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.	
<b>Appearance / Color</b>	<ul style="list-style-type: none"> <li>▪ Top: Reflective Gray</li> <li>▪ Bottom: Dark Gray</li> </ul>	
<b>Top surface</b>	Textured	
<b>Overall Thickness</b>	80 mil (2.0 mm), minimum thickness 45 mil	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<b>Thickness Above Scrim</b>	Exceed 16 mil	(ASTM D-7635) (ASTM Type III D-4434 Spec. Requirement)

## TECHNICAL INFORMATION

<b>Resistance to Static Puncture</b>	Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type III D-4434 Spec. Requirement)
<b>Resistance to Dynamic Puncture</b>	Pass 14.7 ft-lbf (20 J)	(ASTM D-5635) (ASTM Type III D-4434 Spec. Requirement)
<b>Tensile Strength</b>	325 lbf (1445 N) 200 lbf (890 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<b>Elongation at Break</b>	29.5 & 30.5% MD & CMD <sup>1</sup> 15 & 15% MD & CMD <sup>1</sup>	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
	<small><sup>1</sup> MD = Machine Direction, CMD = Cross Machine Direction.</small>	
<b>Tear Strength</b>	49 lbf (218 N) 45 lbf (200 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<b>Seam Strength</b>	Pass 75% of original <sup>1</sup>	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
	<small><sup>1</sup> Failure occurs through membrane rupture not seam failure.</small>	
<b>Linear Dimensional Change</b>	-0.01% 0.5%	(ASTM D-1204) (ASTM Type III D-4434 Spec. Requirement)
<b>Low Temperature Bend</b>	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type III D-4434 Spec. Requirement)

<b>Weight Change after Immersion in Water</b>	Pass ± 3.0%	(ASTM D-570) (ASTM Type III D-4434 Spec. Requirement)
<b>UV Exposure</b>	10,000 hours 5,000 hours Cracking (7x magnification) Ceazing (7x magnification)	(ASTM G-154) (ASTM Type III D-4434 Spec. Requirement) None None
<b>Retention of Properties after Heat Ageing</b>	Tensile Strength, % of original: Pass Elongation, % of original: Pass Tensile Strength, % of original: 90 Elongation, % of original: 90	(ASTM D-751) (ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)

## 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

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 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](http://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**

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**Product Data Sheet**

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