

## PRODUCT DATA SHEET

# Sarnafil® S 327-60 Feltback

Sarnafil S 327 Roof Membrane is a PVC thermoplastic membrane

### PRODUCT DESCRIPTION

Sarnafil® S 327-60 Feltback 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 unique lacquer coating applied to the top of the membrane to reduce dirt pick up.

### USES

Sarnafil S 327 is used in mechanically-attached applications with various fastening methods, over various substrates. It can also be used in adhered applications to approved substrates.

### AREAS OF APPLICATION

- New Roofs
- Reroofs
- Recovers

### CHARACTERISTICS / ADVANTAGES

- Excellent tear strength resistance
- Lacquer coated to reduce dirt pick up
- Hot-air welded seams for long-term performance
- Proven membrane performance

### APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Underwriters Laboratories of Canada
- Miami Dade County
- Florida Building Code

## PRODUCT INFORMATION

<b>Chemical Base</b>	High-quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement with a unique lacquer coating on the top surface.	
<b>Reinforcing Material</b>	Polyester scrim	
<b>Packaging</b>	<b>60 mil (1.5 mm) Membrane</b> 6.56 ft x 65.6 ft (2 m x 20 m) roll, 168 lbs (76 kg) per roll 19 rolls per pallet	
<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 unacceptable due to the accumulation of moisture beneath the tarpaulin in certain weather conditions that may affect membrane weldability.	
<b>Appearance / Color</b>	<ul style="list-style-type: none"> <li>▪ Top: Copper Brown, Evergreen*, or Lead Gray</li> <li>▪ Bottom: Gray</li> </ul> <small>*Evergreen is not a stocked color. For lead time and minimum roll order requirements, contact Sika Roofing Customer Service.</small>	
<b>Overall Thickness</b>	60 mil (1.5 mm), minimum thickness 45 mil	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<b>Thickness Above Scrim</b>	27 mil 16 mil	(ASTM D-7635) (ASTM Type III D-4434 Spec. Requirement)
<b>Resistance to Static Puncture</b>	Pass Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type III D-4434 Spec. Requirement)
<b>Resistance to Dynamic Puncture</b>	Pass Pass 14.7 lbf (20 J)	(ASTM D-5635) (ASTM Type III D-4434 Spec. Requirement)
<b>Tensile Strength</b>	305 lbf (1356 N) 200 lbf (890 N)	(ASTM D-751) (ASTM Type III D-4434 Spec Requirement)
<b>Elongation at Break</b>	28.5 & 29.5% 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>	48 lbf (213 N) 45 lbf (200 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
<b>Seam Strength</b>	Pass Pass 75% of original <sup>2</sup>	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
	<small><sup>2</sup> Failure occurs through membrane rupture not seam failure</small>	
<b>Linear Dimensional Change</b>	-0.12% 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>	2.0% ± 3.0%	(ASTM D-570) (ASTM Type III D-4434 Spec. Requirement)
<b>UV Exposure</b>	10,000 hours 5,000 hours	(ASTM G-154) (ASTM Type III D-4434 Spec. Requirement)

Cracking (7x magnification)	None
Crazing (7x magnification)	None

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<b>Retention of Properties after Heat Ageing</b>	Tensile Strength, % of original: Pass	(ASTM D-751)
	Elongation, % of original: Pass	(ASTM D-751)
	Tensile Strength, % of original: 90	(ASTM Type III D-4434 Spec. Requirement)
	Elongation, % of original: 90	

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## BASIS OF PRODUCT DATA

storm.

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 installed by a Sika Sarnafil Authorized Applicator. Sarnafil S 327 is rolled out onto the insulation board or acceptable substrate, fastened to the roof deck with appropriate plates and fasteners, and heat-welded together by trained operators using Sika Sarnafil's hot-air welding equipment. Please consult Sika's Specification or Applicator Handbook for detailed installation procedures.

## MAINTENANCE

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

## 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.

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### Product Data Sheet

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