

# PRODUCT DATA SHEET

## SARNAFIL® S 327 TEXTURED

  60    72    80

Sarnafil S 327 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.

### PRODUCT INFORMATION

#### USES

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

#### AREAS OF APPLICATION

- New Roofs
- Reroofs

#### FEATURES / BENEFITS

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

#### TESTS

#### CODES / APPROVALS

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

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## PRODUCT DATA

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### FORM

### COMPOSITION

High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement

### COLOR

Top: Gray

Bottom: Dark Gray

### PACKAGING

- **60 mil (1.5 mm) Membrane**  
10 ft x 100 ft (3 m x 30 m) roll, 389 lbs (177 kg) per roll,  
8 rolls per pallet  
5 ft x 100 ft (1.5 m x 30 m) roll, 195 lbs (89 kg) per roll,  
12 rolls per pallet
  - **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 30.5 m) roll, 236 lbs (107 kg) per roll,  
9 rolls per pallet
  - **80 mil (2.0 mm) Membrane\***  
10 ft x 100 ft (3 m x 30 m) roll, 520 lbs (236 kg) per roll,  
4 rolls per pallet  
5 ft x 100 ft (1.5 m x 30 m) roll, 260 lbs (118 kg) per roll,  
9 rolls per pallet
- \* Made to order, minimum volume required, extended production lead times. Consult with Sika – Roofing representative for further information.

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### STORAGE

### 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.

**TECHNICAL DATA**
**TYPICAL PHYSICAL PROPERTIES\***

Properties	ASTM Test Method	ASTM Type III D4434 Spec. Requirement	Typical Results		
			60	72	80
Overall Thickness, mil	D751	45	60	72	80
Reinforcing Material	--	--	Polyester		
Surface, Top	--	--	Textured		
Thickness Over Scrim, mil	--	16	Exceed		
Breaking Strength, lbf (N)	D751	200 (890)	305 (1356)	315 (1401)	325 (1445)
Elongation at Break, %, M.D. <sup>1</sup> & C.M.D. <sup>1</sup>	D751	15 & 15	28.5 & 29.5	29 & 30	29.5 & 30.5
Seam Strength, % of original <sup>2</sup>	D751	75	Pass	Pass	Pass
Retention of Properties After Heat Aging	D3045	--	--	--	--
Breaking Strength, % of original	D751	90	Pass	Pass	Pass
Elongation, % of original	D751	90	Pass	Pass	Pass
Tearing Strength, lbf (N)	D1004	45 (200)	48 (213)	48.5 (216)	49 (218)
Low Temperature Bend, -40°F (-40°C)	D2136	Pass	Pass	Pass	Pass
Accelerated Weathering Test (Florescent Light UV exposure), Hours	G154	5,000	10,000	10,000	10,000
Cracking (7x magnification)	--	None	None	None	None
Discoloration (by observation)	--	Negligible	Negligible		
Crazing (7x magnification)	--	None	None	None	None
Linear Dimensional Change, %	D1204	0.5	-0.12	-0.01	-0.01
Weight Change After Immersion in Water, %	D570	± 3.0	Pass	Pass	Pass
Static Puncture Resistance	D5602	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance, ft-lbf (J)	D5635	14.7 (20)	Pass	Pass	Pass

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

<sup>1</sup>M.D. = Machine Direction, C.M.D. = Cross Machine Direction.

<sup>2</sup>Failure occurs through membrane rupture not seam failure.

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## SYSTEM INFORMATION

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### APPLICATION INSTRUCTIONS

### APPLICATION

Sarnafil S 327 Textured 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.

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### AVAILABILITY

From Sika Corporation – Roofing Authorized Applications for use within Sarnafil systems.

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### MAINTENANCE

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

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### 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.

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### LEGAL NOTES

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at [usa.sarnafil.sika.com](http://usa.sarnafil.sika.com) or by calling 800-451-2504.

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