

PRODUCT DATA SHEET

Sarnafil® S 327-60

SARNAFIL S 327 ROOF MEMBRANE IS A PVC THERMOPLASTIC MEMBRANE

DESCRIPTION

Sarnafil® S 327-60 Roof Membrane is a PVC thermo-plastic membrane produced with an integral polyester reinforcement for high strength, is highly reflective, 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.

Areas of Application

- New Roofs
- Reroofs
- Recovers

CHARACTERISTICS / ADVANTAGES

- Highly reflective
- Excellent tear strength resistance
- Factory applied lacquer coated to reduce dirt pick up
- Hot-air welded seams for long-term performance
- Proven membrane performance
- Guaranteed thickness
- Superior fire resistance

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Underwriters Laboratories of Canada
- ICC Code Compliance – ESR 1157
- Miami-Dade County
- Florida Building Code
- NSF/ANSI 347: Platinum Certified
- ENERGY STAR®
- California Title 24
- LEED / Green Globes

PRODUCT INFORMATION

Chemical Base	High-quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement with a unique lacquer coating on the top surface.
Recycled Content	9 % Pre-consumer, 1 % Post-consumer
Reinforcing Material	Polyester
Packaging	60 mil (1.5 mm) Membrane Bareback: 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 Coverstrip: 8 in x 100 ft (20 cm x 30 m) roll, 25 lbs (12 kg) per roll, 25 per pallet

Appearance / Colour	<ul style="list-style-type: none"> ▪ Top: Copper Brown, Evergreen, and Lead Gray ▪ Bottom: 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.
Overall Thickness	60 mil (ASTM D-751) 45 mil (ASTM Type III D-4434 Spec. Requirement)
Thickness Above Scrim	27 mil (-) 16 mil (ASTM Type III D-4434 Spec. Requirement)

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass (ASTM D-5602) 33 lbf (15 kg) (ASTM Type III D-4434 Spec. Requirement)
Resistance to Dynamic Puncture	Pass (ASTM D-5635) 14.7 ft-lbf (20 J) (ASTM Type III D-4434 Spec. Requirement)
Tensile Strength	305 lbf (1356 N) (ASTM D-751) 200 lbf (890 N) (ASTM Type III D-4434 Spec. Requirement)
Elongation at Break	28.5 & 29.5 % MD & CMD ¹ (ASTM D-751) 15 & 15 % MD & CMD ¹ (ASTM Type III D-4434 Spec. Requirement) <small>¹MD = Machine Direction, CMD = Cross Machine Direction.</small>
Linear Dimensional Change	-0.12 % (ASTM D-1204) 0.5 % (ASTM Type III D-4434 Spec. Requirement)
Tear Strength	48 lbf (213 N) (ASTM D-1004) 45 lbf (200 N) (ASTM Type III D-4434 Spec. Requirement)
Seam Strength	Pass (ASTM D-751) 75 % of original ² (ASTM Type III D-4434 Spec. Requirement) <small>² Failure occurs through membrane rupture not seam failure.</small>
Flexibility at low temperature	Pass (ASTM D-2136) Pass -40°F (-40°C) (ASTM Type III D-4434 Spec. Requirement)
Retention of Properties after Heat Ageing	Tensile Strength, % of original: Pass (ASTM D-3045) Elongation, % of original: Pass (ASTM D-751) Tensile Strength, % of original: 90 (ASTM Type III D-4434 Spec. Requirement) Elongation, % of original: 90
Resistance to 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 Crazing (7x magnification) None
Weight Change after Immersion in Water	2.0 % (ASTM D-570) ± 3.0 % (ASTM Type III D-4434 Spec Requirement)

APPLICATION INSTRUCTIONS

APPLICATION

Sarnafil S 327 is rolled out after proper preparation of the approved substrate and fastened to the roof deck with appropriate mechanically attached system with sarnafasteners in accordance with Sika's technical requirements. Sarnafil S 327 seams are heat-welded together by trained operators using hot-air welding equipment. Different mechanically attached systems require different application methods. Please consult Sika's Specifications or Applicator Handbook for detailed installation procedures.

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.

FURTHER DOCUMENTS

Availability

From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil 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

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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