



PRODUCT DATA SHEET

Sarnafil® S 327-80 Textured

PVC THERMOPLASTIC ROOF MEMBRANE

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.

WHERE TO USE

Sarnafil® S 327-80 Textured is used in mechanically attached applications with various fastening methods, over various substrates.

Areas of Application

- New Roofs
- Reroofs
- Recovers

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Composition / Manufacturing

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

Reinforcing Material

Polyester

ENVIRONMENTAL INFORMATION

- Conformity with LEED®v4 MR Credit (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations

APPROVALS / CERTIFICATES

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

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|------------------------------|--|--|
| Packaging | 2.0 mm (80 mil) Membrane* 3 m x 30 m (10 ft x 100 ft) roll, 236 kg (520 lb) per roll, 4 rolls per pallet 1.5 m x 30 m (5 ft x 100 ft) roll, 118 kg (260 lb) per roll, 9 rolls per pallet <small>* Made to order, minimum volume required, extended production lead times. Contact Sika Canada for further information.</small> | |
| Appearance / Colour | Top: Grey Bottom: Dark Grey | |
| Shelf Life | Not applicable | |
| 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 | 2.0 mm (80 mil) (minimum thickness) 1.14 mm (45 mil) | (ASTM D751) (ASTM Type III D4434 Spec. Requirement) |
| Thickness Above Scrim | Exceed 0.404 mm (16 mil) | (ASTM D-7635) (ASTM Type III D4434 Spec. Requirement) |

TECHNICAL INFORMATION

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|---|--|--|
| Resistance to Static Puncture | Pass 15 kg (33 lbf) | (ASTM D5602) (ASTM Type III D4434 Spec. Requirement) |
| Resistance to Dynamic Puncture | Pass 20 J (14.7 ft-lbf) | (ASTM D5635) (ASTM Type III D4434 Spec. Requirement) |
| Tensile Strength | 1445 N (325 lbf/in) 890 N (200 lbf/in) | (ASTM D751) (ASTM Type III D4434 Spec. Requirement) |
| Elongation at Break | 29.5 % & 30.5 % 15 % & 15 % | (ASTM D751), M. D.1 & C.M.D. ¹ (ASTM Type III D4434 Spec. Requirement) |
| <small>¹ M.D. = Machine Direction, C.M.D. = Cross Machine Direction.</small> | | |
| Linear Dimensional Change | -0.01 % 0.5 % | (ASTM D1204) (ASTM Type III D4434 Spec. Requirement) |
| Tear Strength | 218 N (49 lbf) 200 N (45 lbf) | (ASTM D1004) (ASTM Type III D4434 Spec. Requirement) |
| Seam Strength | Pass 75 | (ASTM D751), % of original ² (ASTM Type III D4434 Spec. Requirement) |
| <small>² Failure occurs through membrane rupture not seam failure.</small> | | |
| Low Temperature Flexibility | Pass Pass | (ASTM G2136), -40 °C (-40 °F) (ASTM Type III D4434 Spec. Requirement) |
| Retention of Properties after Heat Ageing | Tensile Strength, % of original: Pass Elongation, % of original: Pass Tensile Strength, % of original: 90 Elongation, % of original: 90 | (ASTM D751) (ASTM Type III D4434 Spec. Requirement) |
| Resistance to UV Exposure | 10,000 h 5,000 h Cracking (7x magnification) Discoloration (by observation) Crazing (7x magnification) | (ASTM G154) (ASTM Type III D4434 Spec. Requirement) None Negligible None |

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

OTHER DOCUMENTS

Availability

Sarnafil® S 327-80 Textured is available directly from Sika Canada Authorized Applicators when used within a Sika® Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit our website at www.sika.ca for further information.

Warranty

Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.

LIMITATIONS

Ambient Air Temperature -20 °C (-4 °F) min. / +60 °C (140 °F) max. during application
Substrate Temperature -30 °C (-22 °F) min. / +60 °C (140 °F) max. during application
Not to be applied directly to polystyrene products.
Sarnafil membranes are incompatible with asphalt, coal tar, heavy oils, roofing cements, creosote and some preservative materials.

ENVIRONMENT, HEALTH & SAFETY

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

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APPLICATION INSTRUCTIONS

APPLICATION

Sarnafil® S 327-80 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.

MAINTENANCE

As a prudent preventative measure, Sika Canada recommends that the Owner or that the Owner's designated representative inspect the installed roof system for damage, flashing, plugged drains, weathered sealants, etc. at least twice a year and after each storm.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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