



PRODUCT DATA SHEET

Sarnafil® G 410-80 Textured

80 mil thick PVC thermoplastic membrane

PRODUCT DESCRIPTION

Sarnafil® G 410-80 Textured Roof Membrane is a PVC thermoplastic membrane produced with an integral fiberglass mat reinforcement for excellent dimensional stability, with heat-weldable seams, and a textured surface.

USES

Used in adhered applications with various adhesives, over various substrates.

AREAS OF APPLICATION

- New Roofs
- Reroofs
- Recovers

CHARACTERISTICS / ADVANTAGES

- Embossed surface
- Excellent dimensional stability
- 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

Chemical Base	High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and fiberglass reinforcement	
Reinforcing Material	Fiberglass	
Packaging	<p>80 mil (2.0 mm) Membrane*(Reflective gray) 10 ft x 100 ft (3.05 m x 30.5 m) roll, 520.29 lbs (236 kg) per roll 4 rolls per pallet</p> <p>80 mil (2.0 mm) Membrane*(White and Reflective gray) 6.56 ft x 50 ft (2 m x 15 m) roll, 175 lbs (79 kg) per roll, 19 rolls per pallet</p> <p><small>* Made to order, minimum volume required, extended production lead times. Consult with Sika – Roofing representative for further information.</small></p>	
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.	
Appearance / Color	<ul style="list-style-type: none"> ▪ Top: White and Reflective Gray ▪ Bottom: Dark Gray 	
Top surface	Textured	
Overall Thickness	80 mil (2.0 mm), minimum thickness 45 mil	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
Thickness Above Scrim	Exceed 16 mil	(ASTM D-7635) (ASTM Type III D-4434 Spec. Requirement)

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type II D-4434 Spec. Requirement)
Resistance to Dynamic Puncture	Pass 7.3 ft-lbf (10 J)	(ASTM D-5635) (ASTM Type II D-4434 Spec. Requirement)
Tensile Strength	110 lbf (489 N) 55 lbf (245 N)	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
Elongation at Break	250 & 220% MD & CMD ¹ 250 & 220% MD & CMD ¹	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
	<small>¹ MD = Machine Direction, CMD = Cross Machine Direction</small>	
Tear Strength	22 lbf (98 N) 10 lbf (45 N)	(ASTM D-1004) (ASTM Type II D-4434 Spec. Requirement)
Seam Strength	Pass 75% of original ²	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
	<small>² Failure occurs through membrane rupture not seam failure</small>	
Linear Dimensional Change	-0.01% 0.1%	(ASTM D-1204) (ASTM Type II D-4434 Spec. Requirement)
Low Temperature Bend	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type II D-4434 Spec. Requirement)

Weight Change after Immersion in Water	Pass ± 3.0%	(ASTM D-570) (ASTM Type II D-4434 Spec. Requirement)
UV Exposure	10,000 hours 5,000 hours Cracking (7x magnification) Discoloration (by observation) Crazing (7x magnification)	(ASTM G-154) (ASTM Type II D-4434 Spec. Requirement) None Negligible None
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 D-3045) (ASTM D-751) (ASTM Type II 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

Flip over Sarnafil® G 410-80 Textured membrane after unrolling so the texture is visible. Make sure Sarnafil® G 410-80 Textured membrane is installed with the textured side of the membrane facing up. Sarnafil® G 410-80 Textured membrane is installed after proper preparation of the approved substrate. The membrane is unrolled into Sarnacol® adhesive in accordance with

Sika's technical requirements and then pressed into place with a minimum 75 lb (34 kg) steel roller. Sarnafil G 410 seams are heat-welded together by trained operators using hot-air welding equipment. Different Sarnacol adhesives 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 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 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
Sarnafil® G 410-80 Textured
August 2023, Version 04.01
020905052190203002

SarnafilG410-80Textured-en-US-(08-2023)-4-1.pdf

