

PRODUCT DATA SHEET

Sarnafil® G 410-80 Textured

SARNAFIL G 410 ROOF MEMBRANE IS A 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, guaranteed for thickness, with heat-weldable seams, and a textured surface.

USES

Sarnafil G 410 is used in adhered applications with various adhesives, over various substrates.

Areas of Application

- New Roofs
- Reroofs
- Recovers
- Flashings

CHARACTERISTICS / ADVANTAGES

- Excellent dimensional stability
- Hot-air welded seams for long-term performance
- Superior fire resistance
- Proven membrane performance

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories

PRODUCT INFORMATION

Chemical Base	High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and fiberglass reinforcement	
Reinforcing Material	Fiberglass	
Packaging	80 mil (2.0 mm) Membrane* 10 ft x 100 ft (3.05 m x 30.5 m) roll, 519 lbs (176 kg) per roll 4 rolls per pallet 5 ft x 100 ft (1.52 m x 30.5 m) roll, 259 lbs (88 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.	
Appearance / Color	Top: Gray Bottom: Dark 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.	
Top surface	Textured	
Overall Thickness	80 mil 45 mil	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
Thickness Above Scrim	Exceed	

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-lb (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)
	¹ MD = Machine direction, CMD = Cross Machine Direction	
Linear Dimensional Change	-0.01 % 0.1 %	(ASTM D-1004) (ASTM Type II D-4434 Spec. Requirement)
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)
	² Failure occurs through the membrane rupture not seam failure	
Low Temperature Bend	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type II D-4434 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 D-3045) (ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)

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

APPLICATION INSTRUCTIONS

APPLICATION

After proper preparation of the substrate, membrane is unrolled, flipped over in order to reveal textured side of membrane as the top surface, and rolled into Sarnacol adhesive in accordance with Sika's technical requirements and then pressed into place with a minimum 100 lb (45 kg) steel roller. Sarnafil G 410 Textured seams are heat-welded together by trained operators using hot-air welding equipment. Different Sarnacol adhesives require different application methods.

Use Sarnafil G 410 Textured, Sarnafil G 410 Reflective Gray, Detail Membrane Reflective Gray, and/or Sarnafil Reflective Gray prefabricated flashings for flashings on all Sarnafil Textured roof membrane projects. Please consult Sika's Specification or Applicator Handbook for detailed installation procedures.

MAINTENANCE

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

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, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w)

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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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