

## PRODUCT DATA SHEET

# Sarnafil® G 410-60 SA Textured

60 mil thick PVC thermoplastic membrane

### PRODUCT DESCRIPTION

Sarnafil® G 410-60 SA Textured Roof Membrane is a PVC thermoplastic membrane with a factory applied pressure-sensitive adhesive backing and siliconized polyethylene release liner. It is produced with an integral fiberglass mat reinforcement for excellent dimensional stability, with heat-weldable seams, and a textured surface.

### USES

Used in adhered systems for new roofs, reroofs, and recovers.

### AREAS OF APPLICATION

Sika Approved Insulations and Cover Boards

- Polyisocyanurate Insulations
- High Density Polyisocyanurate Roof Boards
- Gypsum Boards with Primed Facer
- Plywood

### CHARACTERISTICS / ADVANTAGES

- Embossed surface
- VOC free and odor free
- Factory applied adhesive to reduce on-site installation labor and ensure uniform adhesive application
- Low temperature application limit of 20°F (-7°C)
- Excellent dimensional stability
- Factory applied lacquer coating to reduce dirt pick up
- Hot-air welded seams for long-term performance
- Superior fire resistance
- Proven membrane performance

### APPROVALS / STANDARDS

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

## PRODUCT INFORMATION

<b>Chemical Base</b>	High-quality PVC membrane containing ultraviolet light stabilizers, flame retardant, fiberglass reinforcement, with a unique lacquer coating on the top surface and pressure-sensitive adhesive with a removable siliconized polyethylene release liner on the back surface.	
<b>Reinforcing Material</b>	Fiberglass	
<b>Packaging</b>	<b>60 mil (1.5 mm) Membrane</b> 6.56 ft x 65.6 ft (2 m x 20 m) roll, 195 lbs (88 kg) per roll 10 rolls per pallet	
<b>Shelf Life</b>	Sarnafil G 410 SA has a shelf life of up to 12 months. An extension may be offered, when properly stored between 60°F (16°C) and 80°F (27°C), and out of direct sunlight upon technical review.	
<b>Storage Conditions</b>	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.	
<b>Appearance / Color</b>	<ul style="list-style-type: none"> <li>▪ Top: White and Reflective Gray</li> <li>▪ Bottom: Gray</li> <li>▪ Pressure Sensitive Adhesive: Clear</li> </ul>	
<b>Top surface</b>	Textured	
<b>Overall Thickness</b>	60 mil (1.5 mm), minimum thickness 45 mil	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
<b>Thickness Above Scrim</b>	Exceed 16 mil	(ASTM D-7635) (ASTM Type II D-4434 Spec. Requirement)

## TECHNICAL INFORMATION

<b>Resistance to Static Puncture</b>	Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type II D-4434 Spec. Requirement)
<b>Resistance to Dynamic Puncture</b>	Pass 7.3 ft-lbf (10 J)	(ASTM D-5635) (ASTM Type II D-4434 Spec. Requirement)
<b>Tensile Strength</b>	80 lbf/in (356 N) 55 lbf/in (245 N)	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
<b>Elongation at Break</b>	250 & 220% MD & CMD <sup>1</sup> 250 & 220% MD & CMD <sup>1</sup>	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
<sup>1</sup> MD = Machine Direction, CMD = Cross Machine Direction.		
<b>Tear Strength</b>	17.5 lbf (78 N) 10 lbf (45 N)	(ASTM D-1004) (ASTM Type II D-4434 Spec. Requirement)
<b>Seam Strength</b>	Pass 75% of original <sup>2</sup>	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
<sup>2</sup> Failure occurs through the membrane rupture not seam failure		
<b>Linear Dimensional Change</b>	-0.02% 0.1%	(ASTM D-1204) (ASTM Type II D-4434 Spec. Requirement)
<b>Low Temperature Bend</b>	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type II D-4434 Spec. Requirement)

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

## LIMITATIONS

- The ambient and substrate temperature must be 20°F (-7°C) or above during application.
- Not to be applied directly to concrete decks, lightweight insulated concrete decks, gypsum decks or polystyrene products.
- Sarnafil membranes are incompatible with asphalt, coal tar, heavy oils, roofing cements, creosote and some preservative materials.
- A static electric charge may develop when removing the release liner from the pressure-sensitive adhesive on the back of the membrane. Care should be used when removing and handling the release liner to avoid ignition. Lids must be closed on any flammable products and a fire extinguisher should be readily available.

## 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

Sarnafil G 410 SA is installed after proper preparation of the approved substrate. The membrane is unrolled, flipped over in order to reveal textured side of membrane as the top surface and positioned in place with the selvage edge lapping the adjacent roll to allow for the 3" (76 mm) side lap. Fold back half of the sheet onto itself in the long direction and carefully cut the release liner with the cutting tool provided by Sika without damaging the membrane. Peel back 3 - 5" (76 - 127 mm) of the release liner and press firmly onto the substrate. Weight may be necessary on the membrane when first starting. Continue removing the release liner from the membrane in a smooth, wrinkle-free manner while maintaining the 3" (76 mm) side lap. Immediately roll the membrane with a minimum 75 lb (34 kg) steel roller. Remove the remaining release liner from the other half of the membrane using the above process and immediately roll the membrane with the steel roller. Sarnafil G 410 SA side lap seams are heat-welded together by trained operators using hot-air welding equipment. End laps and all cut edges are butted together and an 8" (203 mm) Sarnafil G 410 coverstrip is hot-air welded over the butt and cut edge joints. Use Sarnafil G 410 SA, Sarnafil G 410 SA Textured, Detail Membrane, and/or Sarnafil prefabricated flashings for flashings on all Sarnafil Textured roof membrane projects. Please consult Sika's Specification or Applicator Hand-book 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.

## 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](http://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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Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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