

## PRODUCT DATA SHEET

# Sarnafil® G 410-72 Textured

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SARNAFIL G 410 ROOF MEMBRANE IS A PVC THERMOPLASTIC MEMBRANE

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### PRODUCT DESCRIPTION

Sarnafil® G 410-72 Textured 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 Textured roof membrane is used in adhered applications with various adhesives, over various substrates.

#### Areas of Application

- New Roofs
- Reroofs
- Flashings

### CHARACTERISTICS / ADVANTAGES

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

### APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories

## PRODUCT INFORMATION

<b>Chemical Base</b>	High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and fiberglass reinforcement	
<b>Packaging</b>	<b>72 mil (1.8 mm) Membrane*</b> 10 ft x 100 ft (3.05 m x 30.5 m) roll, 470 lbs (214 kg) per roll, 4 rolls per pallet 5 ft x 100 ft (1.52 m x 30.5 m) roll, 235 lbs (107 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.	
<b>Appearance / Color</b>	Top: Gray Bottom: Dark Gray	
<b>Shelf Life</b>	N/A	
<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>Top surface</b>	Textured	
<b>Overall Thickness</b>	72 mil 60 mil	(ASTM D-751) (ASTM Type II D-4434 Spec. Requirement)
<b>Thickness Above Scrim</b>	Exceed	

## 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>	100 lbf (445 N) 55 lbf (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>Linear Dimensional Change</b>	-0.01 % 0.1 %	(ASTM D-1004) (ASTM Type II D-4434 Spec. Requirement)
<b>Tear Strength</b>	20.5 lbf (91 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 membrane rupture not seam failure	
<b>Low Temperature Bend</b>	Pass Pass -40°F (-40°C)	(ASTM D-2136) (ASTM Type II D-4434 Spec. Requirement)
<b>Retention of Properties after Heat Aging</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)

<b>UV Exposure</b>	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
<b>Weight Change after Immersion in Water</b>	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

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.

## 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.**

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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