

PRODUCT DATA SHEET

SARNAFIL® G 410 TEXTURED

__60__72__80

Sarnafil G 410 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.

PRODUCT INFORMATION

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

FEATURES / BENEFITS

- Excellent dimensional stability
 - Hot-air welded seams for long-term performance
 - Superior Fire Resistance
 - Proven membrane performance
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TESTS

CODES / APPROVALS

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

FORM

COMPOSITION

High quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and fiberglass reinforcement.

COLOR

Top: Gray

Bottom: Dark Gray

PACKAGING

- **60 mil** (1.5 mm) Membrane
10 ft x 100 ft (3 m x 30 m) roll, 389 lbs (177 kg) per roll,
8 rolls per pallet
5 ft x 100 ft (1.5 m x 30 m) roll, 195 lbs (89 kg) per roll,
12 rolls per pallet
 - **72 mil** (1.8 mm) Membrane*
10 ft x 100 ft (3 m x 30 m) roll, 471 lbs (214 kg) per roll,
4 rolls per pallet
5 ft x 100 ft (1.5 m x 30 m) roll, 236 lbs (107 kg) per roll,
9 rolls per pallet
 - **80 mil** (2.0 mm) Membrane*
10 ft x 100 ft (3 m x 30 m) roll, 520 lbs (236 kg) per roll,
4 rolls per pallet
5 ft x 100 ft (1.5 m x 30 m) roll, 260 lbs (118 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.

STORAGE

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.

TECHNICAL DATA
TYPICAL PHYSICAL PROPERTIES*

Properties	ASTM Test Method	ASTM Type II D4434 Spec. Requirement	Typical Results		
			60	72	80
Overall Thickness, mil	D751	45	60	72	80
Reinforcing Material	--	--	Fiberglass		
Surface, Top	--	--	Textured		
Thickness Over Scrim, mil	--	16	Exceed		
Breaking Strength, lbf (N)	D751	55 (245)	80 (356)	100 (445)	110 (489)
Elongation at Break, %, M.D. ¹ & C.M.D. ¹	D751	250 & 220	250 & 220	250 & 220	250 & 220
Seam Strength, % of original ²	D751	75	Pass	Pass	Pass
Retention of Properties After Heat Aging	D3045	--	--	--	--
Breaking Strength, % of original	D751	90	Pass	Pass	Pass
Elongation, % of original	D751	90	Pass	Pass	Pass
Tearing Strength, lbf (N)	D1004	10 (45)	17.5 (78)	20.5 (91)	22 (98)
Low Temperature Bend, -40°F (-40°C)	D2136	Pass	Pass	Pass	Pass
Accelerated Weathering Test (Florescent Light UV exposure), Hours	G154	5,000	10,000	10,000	10,000
Cracking (7x magnification)	--	None	None	None	None
Discoloration (by observation)	--	Negligible	Negligible		
Crazing (7x magnification)	--	None	None	None	None
Linear Dimensional Change, %	D1204	0.1	-0.02	-0.01	-0.01
Weight Change After Immersion in Water, %	D570	± 3.0	Pass	Pass	Pass
Static Puncture Resistance	D5602	33 (15)	Pass	Pass	Pass
Dynamic Puncture Resistance, ft-lbf (J)	D5635	7.3 (10)	Pass	Pass	Pass

*Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions, and curing conditions.

¹M.D. = Machine Direction, C.M.D. = Cross Machine Direction.

²Failure occurs through membrane rupture not seam failure.

SYSTEM INFORMATION
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.

AVAILABILITY	From Sika Corporation – Roofing Authorized Applications for use within Sarnafil systems.	
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.	
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.	
LEGAL NOTES	<p>All information provided by Sika Corporation (“Sika”) concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika’s current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika’s instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika’s control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at usa.sarnafil.sika.com or by calling 800-451-2504.</p> <p>Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Safety Data Sheet which are available online at usa.sarnafil.sika.com or by calling Sika’s Technical Service Department at 800-451-2504. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.</p> <p>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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.</p> <p>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.</p>	
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