

Product Data Sheet

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Sikaplan®

__45 __60 __Feltback

Composition:	Sikaplan® is a white, nominal thickness PVC membrane with a polyester scrim reinforcement. Sikaplan with a feltback is manufactured with a recycled felt backing.
Features:	Sikaplan meets the cool roofing requirements of California's Title 24, US-GBC's LEED® program and Green Globes.
Codes and Approvals:	Sika Sarnafil's Mechanically Attached Systems using Sikaplan PVC membranes are classified by Underwriters Laboratories, Inc., Underwriters Laboratories of Canada, FM Global, Miami-Dade and Florida Building Code. Sika Sarnafil membranes also meet the material requirements of International building code.
Packaging:	Sikaplan 45 comes in 10 feet x 150 feet rolls weighing approx. 430 lbs and 5 feet x 150 feet rolls weighing approx. 215 lbs. Sikaplan 60 comes in 10 feet x 100 feet rolls weighing approx. 360 lbs and 5 feet x 100 feet rolls weighing approx. 180 lbs. Sikaplan membrane is wrapped in a clear protective film and strapped 8 rolls to a wooden pallet.
Installation:	Sikaplan is installed by a Sika Sarnafil Authorized Applicator. Sikaplan shall be installed to an acceptable substrate with fasteners and plates in the seam overlap in the "Sikaplan Mechanically-Attached System". All seams will be hot-air welded for watertight protection. Sikaplan can be used on flashings on Sikaplan roof assemblies.
Availability:	Sikaplan is available directly from a Sika Sarnafil Authorized Applicator or by contacting your Sika Sarnafil regional office. For office locations please contact Sika Sarnafil.
Warranty:	Upon successful completion of the installed roof by the Sika Sarnafil Authorized Applicator, Sika Sarnafil will provide a warranty to the building owner via the applicator.
Maintenance:	Sikaplan requires no maintenance. As a prudent preventative measure, Sika Sarnafil recommends that the building owner or owner's representative inspect the installed roof system for damage, plugged drains, weathered sealants, etc. at least twice a year and after each storm.



Sarnafil®

Technical Support: Sika Sarnafil provides technical support. Please contact your local technical representative or technical manager if you need assistance.

Technical Data (as manufactured):

Parameters

Reinforcing Material
 Overall Thickness, mil
 Thickness Above Scrim, mil
 Felt Weight oz/yd² (feltback membrane only)
 Breaking Strength (M.D.), min., lbf/in. (KN/m)
 Elongation at Break, min.
 Machine Direction %
 Cross Direction %
 Seam Strength, min., (% of original)*
 Retention of Properties After Heat Aging
 Tensile Strength, min., (% of original)
 Elongation, min., (% of original)
 Tearing Strength (C.D.), min., lbf (N)
 Low Temperature Bend, -40 °F (-40 °C)
 Accelerated Weathering Test (Florescent Light, UV exposure)
 Cracking (7x magnification)
 Discoloration (by observation)
 Crazing (7x magnification)
 Linear Dimensional Change (C.D.), %
 Weight Change After Immersion in Water, %
 Static Puncture Resistance, 33 lbf (15 kg)
 Dynamic Puncture Resistance, 14.7 ft-lbf (20 J)
 Recycled Content

* Failure occurs through membrane rupture not seam failure.

ASTM Test Method	ASTM Type III D-4434 Spec. Requirement	Typical Physical Properties	
--	--	45	60
D751	45	Polyester	Polyester
--	16	45(nominal)	60(nominal)
--	--	20	26
D751	200 (35)	9	9
D751		230	303
	15	20	20
	15	20	20
D751	75	Pass	Pass
D3045			
D751	90	Pass	Pass
D751	90	Pass	Pass
D1004	45 (200)	45	45
D2136	Pass	Pass	Pass
G154	5,000 Hours	10,000 Hours	10,000 Hours
	None	None	None
	Negligible	Negligible	Negligible
	None	None	None
D1204	0.5% max.	0.31	0.24
D570	± 3.0% max.	2.9	2.5
D5602	Pass	Pass	Pass
D5635	Pass	Pass	Pass
9% Pre-consumer / 1% Post Consumer			

	<u>Initial Solar Reflectance</u>	<u>3 Year Reflectance</u>	<u>Initial Thermal Emittance</u>	<u>3 Year Thermal Emittance</u>	<u>Initial Solar Reflectance Index</u>	<u>3 Year Solar Reflectance Index</u>
White	0.81	0.62	0.85	0.85	101	73



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Disclaimer: The information, and, in particular, the recommendation relating to the application and end-use of Sika Sarnafil products, are given in good faith based on Sika Sarnafil's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika Sarnafil recommendations. In practice, the differences in materials, substrates and actual site conditions are such that **no warranty in respect of merchantability of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, may be inferred from this information.** The user of the product must determine the product's suitability for the intended application and purpose. Sika Sarnafil reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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ENERGY STAR for roofing products is only valid in the United States