

# Sikaplan® \_45\_60\_Feltback

<b>Description</b>	Sikaplan® is a single ply PVC roofing membrane designed for low-slope and steep-slope roofing applications. The membrane has an internal polyester scrim reinforcement to provide the tear resistance required for mechanically-attached roof systems.
<b>Composition</b>	■ Single ply, nominal thickness white PVC membrane with internal polyester scrim reinforcement.
<b>Features</b>	■ Meets the cool roofing requirements of California's Title 24, USGBC's LEED® and Green Globes. ■ Thermoplastic membrane allowing seams and flashings to be hot-air welded. When welded together, the sheets of membrane become one monolithic layer of material impervious to water and moisture infiltration. ■ White colour enables solar's energy reflection energy hence helping to lower building cooling costs. ■ Sikaplan® with feltback can be manufactured with a recycled felt backing. ( <i>special order</i> )
<b>Codes and Approvals</b>	■ 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.
<b>Packaging/Storage</b>	<b>Sikaplan® 45 :</b> Roll: 3 x 45 m (10 x 150 ft) weighing approximately 195 kg (430 lb) Roll: 1,5 x 45 m (5 x 150 ft) weighing approximately 97 kg (215 lb)  <b>Sikaplan® 60 :</b> Roll: 3 x 30 m (10 x 100 ft) weighing approximately 163 kg (360 lb) Roll: 1,5 x 30 m (5 x 100 ft) weighing approximately 81 kg (180 lb)  Sikaplan membrane is wrapped in a clear protective film and strapped 8 rolls to a wooden pallet.
<b>Installation</b>	Sikaplan is installed by a Sika Canada 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. Any detail work is to be completed with pre-fabricated components or Sarnafil G410 Membrane.
<b>Availability</b>	Sikaplan is available directly from Sika Canada Authorized Applicators when used within a Sarnafil® Roof System. Contact Sika Canada or visit <a href="http://www.sika.ca">www.sika.ca</a> for further information.
<b>Warranty</b>	As a Sika Canada-supplied accessory, Sikaplan is included in Sika Canada's Standard or System Warranty.  Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada will provide a warranty to the building owner via the applicator.



## Maintenance

Sikaplan requires no maintenance.

Periodic maintenance of a Sarnafil® system ensures extended performance and reduces life cycle costs. Consistent with industry practices, Sika Canada recommends inspecting the roof system for damage, plugged drains, weathered sealants, etc. at least twice a year and after each storm.

## Technical Support

Sika Canada provides technical support. Technical staff is available to advise applicators as to the proper installation method.

## Technical Data

(as manufactured):

Parameters	ASTM Test Method	ASTM D4434 Type III, Spec. Requirement	Typical Physical Properties			
Reinforcing Material	--	--	45 Polyester	60 Polyester		
Overall Thickness, mil	D751	45	45 (nominal)	60 (nominal)		
Thickness Above Scrim, mil	--	16	20	26		
Felt Weight oz/yd <sup>2</sup> (feltback membrane only)	--	9	9			
Breaking Strength (M.D.), min., KN/m (lbf/in)	D751	35 (200)	40 (230)	53 (303)		
Elongation at Break, min.	D751					
Machine Direction %		15	20	20		
Cross Direction %		15	20	20		
Seam Strength, min., (% of original)*	D751	75	Pass	Pass		
Retention of Properties After Heat Aging	D3045					
Tensile Strength, min., (% of original)	D751	90	Pass	Pass		
Elongation, min., (% of original)	D751	90	Pass	Pass		
Tearing Strength (C.D.), min., N (lbf)	D1004	200 (45)	200 (45)	200 (45)		
Low Temperature Bend, -40°C (-40°F)	D2136	Pass	Pass	Pass		
Accelerated Weathering Test (Florescent Light, UV exposure)	G154	5000 h	10 000 h	10 000 h		
Cracking (7x magnification)		None	None	None		
Discolouration (by observation)		Negligible	Negligible	Negligible		
Crazing (7x magnification)		None	None	None		
Linear Dimensional Change (C.D.), %	D1204	0,5 % max.	0,31	0,24		
Weight Change After Immersion in Water, %	D570	± 3 % max.	2,9	2,5		
Static Puncture Resistance, 15 kg (33 lbf)	D5602	Pass	Pass	Pass		
Dynamic Puncture Resistance, 20 J (14.7 ft-lbf)	D5635	Pass	Pass	Pass		
Recycled Content		9% Pre-consumer / 1% Post Consumer				
* Failure occurs through membrane rupture not seam failure.						
	Initial Solar Reflectance	3 Year Reflectance	Initial Thermal Emittance	3 Year Thermal Emittance	Initial Solar Reflectance Index	3 Year Solar Reflectance Index
White	0.81	0.62	0.85	0.85	101	73

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).



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