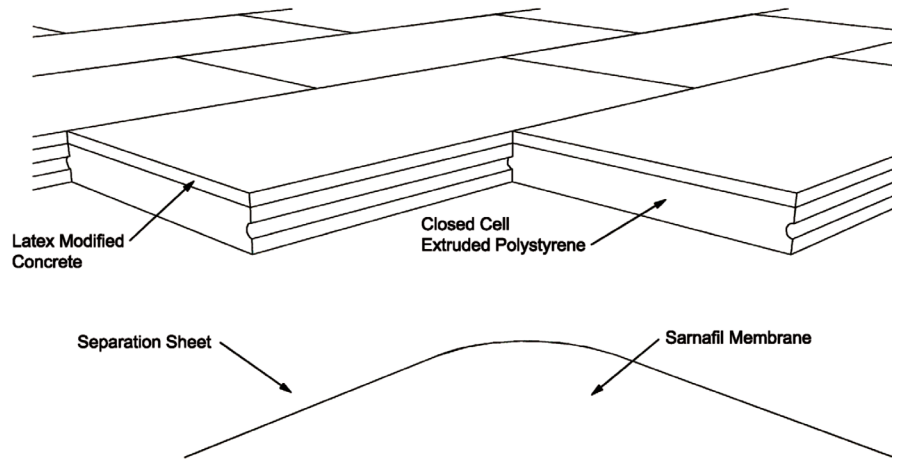


Product Data Sheet

Edition: 7/2008
Version no.: 0005

Sarnatherm Heavyguard



Overview:	Sarnatherm Heavyguard is a composite latex modified concrete bonded to extruded polystyrene insulation. Sarnatherm Heavyguard is installed directly on the separator sheet over the completed Sika Sarnafil roof assembly.
Composition:	The composite latex modified concrete layer of Sarnatherm Heavyguard is 15/16 inch (25 mm) thick and bonded to 2 (51 mm) or 3 inch (76 mm) thick closed cell extruded polystyrene foam. Sarnatherm Heavyguard is available in 2 ft. x 4 ft. (0.6 m x 1.2 m) panels.
Features:	Tongue and grooves along two sides allow the boards to interlock. Available with a white reflective Coolguard® coating that is EnergyStar listed. Sarnatherm Heavyguard weighs more than Sarnatherm Lightguard and provides additional impact resistance for high traffic areas.
Packaging:	Sarnatherm Heavyguard is provided in labeled bundles that are wrapped in a protective polyethylene film. The amount of Sarnatherm Heavyguard per bundle varies with board thickness.
Storage:	Factory applied packaging is intended only for protection during transit. When stored outdoors or on the job site, the insulation should be stacked on pallets at least four inches above the surface level and completely covered with a weatherproof covering such as a tarpaulin. The insulation shall be protected from sunlight. Sarnatherm Heavyguard that becomes wet or damaged must be removed and replaced with dry product.
Installation:	Sarnatherm Heavyguard is installed by a Sika Sarnafil Authorized Applicator. Sarnatherm Heavyguard is installed over a separator sheet that is protecting the Sarnafil membrane. Rows of Sarnatherm Heavyguard shall have a 2 ft. (0.6 m) stagger. All sides of the boards must be tightly butted to adjacent boards with gaps no greater than 1/4 inch (6.3 mm).
Availability:	Sarnatherm Heavyguard is available directly from Sika Sarnafil Authorized Applicators for use within a Sika Sarnafil Roof System. Contact your Sika Sarnafil Regional Office for further information.

Warranty:	As a Sika Sarnafil-supplied accessory, Sarnatherm Heavyguard is included in Sika Sarnafil's System Warranty to the Building Owner.
Maintenance:	Sarnatherm Heavyguard should be inspected every six months and after major windstorms.
Technical:	Sika Sarnafil provides technical support via Corporate and Regional offices. Technical staff is available to advise Applicators as to the correct installation methods of Sarnatherm Heavyguard.

Technical Data (as manufactured):

<u>Attributes</u>	<u>Test</u>	<u>Values</u>
Extruded Polystyrene	ASTM C 578	Type VI
Tongue & Groove Long Edges		
Latex Modified Concrete Facer		15/16 in. thick (25 mm)
Finished Overall Dimensions		24 in. wide (610 mm)
		48 in. long (1219 mm)
		2.938 in. thick (75.5 mm) 2 in. foam
		3.938 in. thick (100 mm) 3 in. foam
Weight		11 lbs./ft ² (54 kg/m ²)
R-Value	ASTM C 518	5 per inch of foam (0.03 m ² K/W per mm)
Thermal Conductivity		0.2
Compressive Strength (foam insulation)	ASTM 1621	40 lbs/in ² (275.6 kPa)
Point Loading (1" x 1")		1,300 lbs/in ² (8,958 kPa)
Water Absorption	ASTM D 2842	<0.1
FM Impact Test (2" Steel Ball Drop)	FM 4470	700 ft-lb (952 J)
Freeze/Thaw	ASTM C 666 – B	750 cycles
Permeability	ASTM E 96	0.8
Thermal Emittance*	ASTM E 408	94
Reflectivity*		Initial 84 / Aged 65

*Test values with Coolguard® coating applied to weathering surface.

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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.