



PRODUCT DATA SHEET

SARNATHERM[®] HEAVYGUARD

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 Sarnafil roof assembly.

PRODUCT INFORMATION

USES

Wherever insulation is required on top of a conventional roof assembly.

AREAS OF APPLICATION

- New Roofs
- Recover Roofs
- Mechanically Attached Systems
- Adhered Systems

FEATURES / BENEFITS

- Interlocking boards
- Weighs more than Sarnatherm Lightguard / provides additional impact resistance for high traffic areas.
- Available with a white reflective Coolguard[®] coating that is EnergyStar listed.

TESTS

STANDARDS / APPROVALS

- UL 1256, 790, 263
- FM 4450, 4470
- Miami-Dade County
- State of Florida

PRODUCT DATA

FORM

COMPOSITION

Composite latex modified concrete bonded to extruded polystyrene insulation.

PACKAGING

- 2 ft x 4 ft (0.6 m x 1.2 m) panels
- 2 in (51 mm) thick polystyrene foam with 15/16 in (25 mm) thick latex modified concrete face
- 3 in (76 mm) thick polystyrene foam with 15/16 in (25 mm) thick latex modified concrete face

STORAGE**STORAGE CONDITIONS**

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.

TECHNICAL DATA**TYPICAL PHYSICAL PROPERTIES***

Properties	ASTM Test Method	Results
Extruded Polystyrene	C 578	Type VI
Weight, lbs/ft ² (kg/m ²)	--	11 (54)
R-Value, per 1 in (25 mm) foam	C 518	5
Thermal Conductivity, K-Value	--	0.2
Compressive Strength (foam), lbs/in ² (kPa)	1621	40 (275.6)
Point Loading (1 in x 1 in), lbs/in ² (kPa)	--	1300 (8958)
Water Absorption, %	D 2842	< 0.1
Impact Test, 2 in (51 mm) Steel Ball Drop	FM 4470	<0.05 in (1.3 mm) Slight Indentations
Freeze/Thaw, cycles	C 666 – B	750
Water Vapor Transmission, perm	E 96	0.8
Thermal Emittance**	E 408	94
Reflectivity**	--	Initial 84 / Aged 65

*Physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

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

SYSTEM INFORMATION

INSTALLATION	Sarnatherm Heavyguard is installed by a 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 in (6.3 mm).
AVAILABILITY	From Sika Corporation – Roofing Authorized Applications for use within Sarnafil or Sikaplan systems.
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.
WARRANTY	As a Sika supplied product, Sarnatherm Heavyguard is covered under Sika Corporation warranties.

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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.

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