

## PRODUCT DATA SHEET

# Sarnatherm® Roof Board H

Sarnatherm Roof Board H is a high-density polyisocyanurate roof board

### PRODUCT DESCRIPTION

Sarnatherm® Roof Board H is a lightweight, high-density polyisocyanurate roof board with coated glass facers. Sarnatherm® Roof Board H is suitable for use in new construction and recover roof applications with Sarnafil® or Sikaplan® roof membranes. The coated glass facers provide strong, smooth surfaces suitable for mechanically attached or adhered applications.

### USES

Used as a lightweight roof board in conventional roof assemblies

### AREAS OF APPLICATION

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

### CHARACTERISTICS / ADVANTAGES

- Achieves a UL 790 Class A combustible deck assembly rating without the use of a fire-rated slip sheet or the presence of a fire barrier
- Lightweight for easy hoisting, staging and maneuvering
- High impact and flexural strength
- Easy scoring, cutting and snapping
- Improved coverage rates in adhered systems
- Contains no CFC's, HCFCs
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)
- Recognized as resistant to mold growth

### APPROVALS / STANDARDS

- ASTM C 1289, Type II, Class 4, Grade 1
- FM Approved
- UL Classified 790
- UL Certified for Canada
- Miami-Dade County
- State of Florida

## PRODUCT INFORMATION

<b>Chemical Base</b>	Polyisocyanurate foam core with coated glass facers
<b>Recycled Content</b>	9% Pre-consumer
<b>Packaging</b>	<ul style="list-style-type: none"><li>▪ 4 ft x 4 ft (1.2 m x 1.2 m), 5.5 lbs (2.5 kg) per board, 48 boards per bundle</li><li>▪ 4 ft x 8 ft (1.2 m x 2.4 m), 11 lbs (5 kg) per board, 45 boards per bundle (½ stack)</li><li>▪ 0.5" (12.7 mm) thickness</li></ul>
<b>Color</b>	Off-white core with off-white/light tan facers
<b>Shelf Life</b>	N/A
<b>Storage Conditions</b>	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 4" (102 mm) above ground level and completely covered with a weatherproof covering such as a tarpaulin. The temporary factory-applied packaging should be slit or removed to prevent accumulation of condensation. Refer to PIMA Technical Bulletin #109: Storage and Handling Recommendations for Polyiso Roof Insulation.

## TECHNICAL INFORMATION

<b>Compressive Strength</b>	109 psi (751 kPa)	(ASTM D-1621)
<b>Dimensional Stability</b>	< 0.5% (7 days)	(ASTM D-2126)
<b>Reaction to Fire</b>	Flame Spread <sup>1</sup> : < 75 Smoke Developed <sup>1</sup> : < 450	(ASTM E-84)
	<sup>1</sup> Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings - please contact the Sika Corporation – Roofing Technical Department.	
<b>Thermal resistance</b>	2.5	(ASTM C-518)
<b>Water Absorption</b>	< 1%	(ASTM C-209)
<b>Microbiological Resistance</b>	Passed	(ASTM D-3273)
<b>Service Temperature</b>	260°F (126°C) or less	

## APPLICATION INSTRUCTIONS

Sarnatherm® Roof Board H is installed by a Sika Authorized Applicator. Sarnatherm® Roof Board H may be installed by mechanical attachment to the roof deck with approved fasteners and insulation plates or by attachment with Sarnacol board adhesive depending on project requirements and specifications. Roof boards that have become wet or damaged should be removed and replaced with solid, dry roof boards. Contact Sika Corporation – Roofing Technical Department regarding alternative methods of attachment.

## MAINTENANCE

Standard maintenance of Sarnafil or Sikaplan systems should include regular inspections of flashings, drains,

and termination sealants at least twice a year and after each storm.

## AVAILABILITY/WARRANTY

### AVAILABILITY

From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil or Sikaplan systems.

### 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.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment,

temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

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