

PRODUCT DATA SHEET

Sarnatherm® Roof Board-A FR

Sarnatherm Roof Board-A FR is a high-density polyisocyanurate roof board

PRODUCT DESCRIPTION

Sarnatherm® Roof Board-A FR is a lightweight, high-density polyisocyanurate roof board with coated glass facers. Sarnatherm® Roof Board-A FR 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, HCFC's, HFC's
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)

APPROVALS / STANDARDS

- ASTM C 1289, Type II, Class 4, Grade 1
- FM Approved
- UL Classified 790
- UL Canada Classified

PRODUCT INFORMATION

Chemical Base	Polyisocyanurate foam core with coated glass facers	
Recycled Content	6% Pre-consumer	
Packaging	<ul style="list-style-type: none">▪ 4 ft x 4 ft (1.2 m x 1.2 m), 8 lbs (3.7 kg) per board, 36 boards per bundle▪ 4 ft x 8 ft (1.2 m x 2.4 m), 16 lbs (7.3 kg) per board, 36 boards per bundle▪ 0.625" (15.9 mm) thickness	
Color	Off-white core with white facers	
Shelf Life	N/A	
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 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.	
Compressive Strength	80 psi (551 kPa) minimum, up to 110 psi (758 kPa)	(ASTM D-1621)
Flexural Strength	> 2000 psf (95 kPa)	(ASTM D-1623)
Dimensional Stability	Thickness < 4%, Length & Width < 1%	(ASTM D-2126)
Reaction to Fire	Flame Spread ¹ : < 75 Smoke Developed ¹ : < 450	(ASTM E-84)
	¹ Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings - please contact the Sika Corporation – Roofing Technical Department.	
Thermal resistance	2.5	(ASTM C-518)
Permeability to Water Vapor	< 1.5 perm (85 ng/(Pa·s·m ²))	(ASTM E-96)
Water Absorption	< 4%	(ASTM C-209)
Service Temperature	-100°F to 250°F (-73°C to 121°C)	

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.

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.

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.

APPLICATION INSTRUCTIONS

Sarnatherm® Roof Board-A FR is installed by a Sika Authorized Applicator. Sarnatherm® Roof Board-A FR 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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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 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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Sarnafil
100 Dan Road
Canton, MA 02021
Phone: +1 800-451-2504
Fax: +1 781-828-5365
usa.sika.com/sarnafil
webmaster.sarnafil@us.sika.com

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet
Sarnatherm® Roof Board-A FR
November 2020, Version 01.01
020935013000000002

SarnathermRoofBoard-AFR-en-US-(11-2020)-1-1.pdf

