

PRODUCT DATA SHEET

SARNATHERM[®] ROOF BOARD-H FR

Sarnatherm Roof Board-H FR is a ½ in (12.7 mm) thick, high-density polyisocyanurate roof board specifically designed for direct application to combustible decks. It is manufactured with coated glass facers on both sides and is suitable for use in new construction and recover roof applications with Sarnafil[®] or Sikaplan[®] mechanically attached or adhered roof systems.

PRODUCT INFORMATION

USES

Used as a lightweight roof board for direct application to combustible decks in conventional roof assemblies

AREAS OF APPLICATION

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

FEATURES / BENEFITS

- 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, easy to cut, handle and install
- Higher R-value than gypsum boards
- Contains no CFC's and no HCFC's
- Zero ozone depletion potential (ODP)
- Virtually no global warming potential (GWP)
- Recognized as resistant or highly resistant to mold growth

TESTS

STANDARDS / APPROVALS

- ASTM C 1289, Type II, Class 4, Grade 1
- Underwriters Laboratories
- Underwriters Laboratories Canada
- California Title 24

PRODUCT DATA

FORM

COMPOSITION

Polyisocyanurate foam core with coated glass facers

COLOR

Off-white core with off-white/light tan facers

PACKAGING

- 4 ft x 4 ft (1.2 m x 1.2 m), 7.8 lbs (3.6 kg) per board, 45 boards per bundle (½ stack)
- 4 ft x 8 ft (1.2 m x 2.4 m), 15.5 lbs (7.1 kg) per board, 45 boards per bundle (½ stack)
- 0.5 in (12.7 mm) thickness

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 4 in (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 DATA

TYPICAL PHYSICAL PROPERTIES¹

Properties	ASTM Test Method	Results
Compressive Strength, psi (kPa)	D 1621	109 (751)
Dimensional Stability, % Linear Change	D 2126	< 0.5 (7 days)
Water Absorption, %	C 209	< 1
Flame Spread ²	E 84	< 75
Smoke Developed ²	E 84	< 450
Service Temperature, °F (°C)	--	260 (126) or less
Recycled Content	--	9% Pre-consumer
R-Value	C 518	2.5

¹Physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

²Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings - please contact the Sika Corporation – Roofing Technical Department.

SYSTEM INFORMATION

INSTALLATION

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

AVAILABILITY

From Sika Corporation – Roofing Authorized Applicators 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 Roof Board-H FR is covered under Sika Corporation warranties.

LEGAL NOTES

All information provided by Sika Corporation (“Sika”) concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika’s current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika’s instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika’s control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at usa.sarnafil.sika.com or by calling 800-451-2504.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Safety Data Sheet which are available online at usa.sarnafil.sika.com or by calling Sika’s Technical Service Department at 800-451-2504. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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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