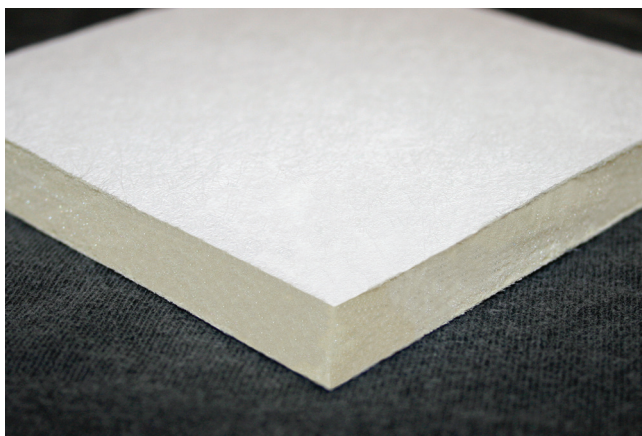


WeatherBond Polyiso

XFP HD Polyiso



Overview

XFP HD polyiso insulation is a rigid roof insulation panel composed of a high-density, closed-cell polyisocyanurate foam core laminated to a premium-performance, coated-glass fiber-mat facer. Suited for re-roofing and new construction applications, XFP HD is specifically designed for use as a cover board over a variety of substrates. XFP HD delivers an R-value of 2.5, which is significantly higher than roof cover boards made with other materials such as wood fiber or gypsum.

Features and Benefits

- High-density insulating cover board
- Achieves a UL Class A direct to combustible deck rating - Maximum roof slope - 1" : 12"
- Exceptional protection against hail, rooftop traffic, mold, and moisture
- High-density formulation achieves FM severe hail rating (SH)
- 2 times higher R-value than wood fiber boards
- Compatible with all WeatherBond single-ply roofing systems (except ballast)
- Coated glass facer provides strong bond for adhered roofing applications
- 5 times higher R-value than gypsum cover boards and 1/5 the weight of gypsum cover boards

Product Characteristics

- Panel size: 4' x 8' (1220 mm x 2440 mm) and 4' x 4' (1220 mm x 1220 mm)
- Panel thickness: 1/2" (13 mm)
- Weight: 0.343 lbs/sq. ft.
 - 11 lbs (4.99 kg) per 4' x 8' panel
 - 5.5 lbs (2.49 kg) per 4' x 4' panel

Codes and Compliances

- ASTM C1289, Type II, Class 4, Grade 1 (109 psi max)
- International Building Code (IBC) Section 2603
- UL Standard 790, 263 and 1256: Component of Class A Roof Systems (refer to UL Roof Materials' system directory)
- FM® Standards 4450/4470: Class 1 approval for steel roof-deck constructions (refer to FM RoofNavSM)
- California Codes of Regulations, Title 24, Insulation Quality Standard License #TI-1418
- Third-party certification with PIMA Quality Mark for Long-Term Thermal Resistance (LTTR) values
- CAN/ULC S704, Type 3, Class 2
- Florida Building Code Approval

Installation

Mechanically Attached Single-Ply Systems

Each XFP HD panel must be secured to the substrate with approved WeatherBond fasteners and plates. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to WeatherBond specifications.

Fully Adhered Single-Ply Systems

Each XFP HD panel may be secured to the roof deck (appropriate to deck type) using WeatherBond's Flexible DASH Adhesive, fasteners and plates or hot asphalt (appropriate to deck type). For adhesive coverage or fastening patterns and requirements, please contact WeatherBond's Design Services group. Butt edges of the insulation panes and stagger joints. Install the roof membrane according to WeatherBond specifications.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.



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ROOFING SYSTEMS

Single-Ply Simplified

Precautions

Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof-covering material. WeatherBond will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the jobsite or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. Call WeatherBond for more specific details or refer to PIMA Technical Bulletin No. 109: Storage and Handling Recommendations for Polyiso Roof Insulation.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	9%
Manufacturing Locations	Smithfield, PA Franklin Park, IL Tooele, UT Terrell, TX Lake City, FL Montgomery, NY Puyallup, WA
Solar Reflectance Index (SRI)	N/A

Typical Properties and Characteristics

Property	Test Method (modified)	Value
Compressive Strength	ASTM D1621	109 psi max
Dimensional Stability	ASTM D2126	<0.5% linear change (7 days)
Water Absorption	ASTM C209	<1% volume
R-value	ASTM C518	2.5
Thickness		½"
Service Temperature		260°F or less 126°C or less
Resistance to Mold	ASTM D3273	Passed

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.



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P.O. Box 251 | Plainfield, PA 17081 | 866.471.5125 | FAX: 717.960.4034 | www.weatherbondroofing.com

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