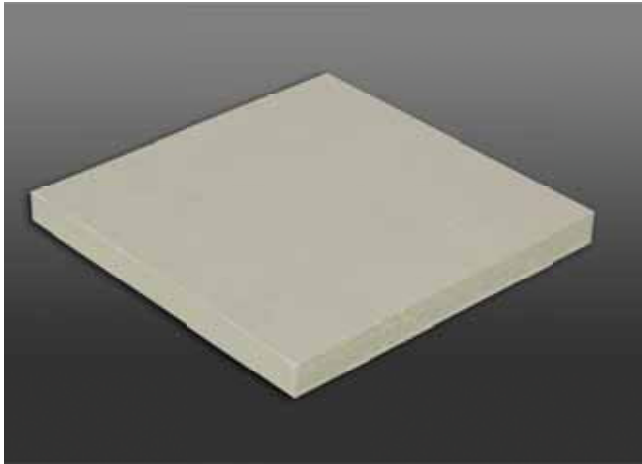


# WeatherBond Polyiso

XFP HD FR



## Overview

WeatherBond's XFP HD FR 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 facer. Suitable for both re-roofing and new construction applications, XFP HD FR is specifically designed for direct application to combustible decks.

## Features and Benefits

- Achieves a UL 790 Class A combustible deck assembly rating at ½" thickness without the use of a fire-rated slip sheet or the presence of a gypsum coverboard at ½": 12" max roof slope
- ASTM C1289 Type II, Class 4, Grade 1 (109 psi max)
- Lightweight and easy to cut, handle, and install
- Exceptional protection against hail, rooftop traffic, mold, and moisture
- High-density formulation achieves FM severe hail rating (SH)
- 5 times higher R-value than gypsum cover boards
- 2 times higher R-value than wood fiber boards
- ½ the weight of gypsum cover boards
- Compatible with all WeatherBond single-ply roofing systems (except ballasted systems)
- Coated glass facer is ideal for adhered roofing applications

## Product Characteristics

- Panel sizes:
  - 4' x 8' (1220 mm x 2440 mm)
  - 4' x 4' (1220 mm x 1220 mm)
- Panel thickness: ½" (13 mm)
- Weight: 0.484 lbs (.219 kg)/sq. ft.
  - 15.5 lbs (7.03 kg) per 4' x 8' panel
  - 7.8 lbs (3.52 kg) per 4' x 4' panel

## Installation

### Mechanically Attached Single-Ply Systems

Each XFP HD FR 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 FR panel must be secured to the roof deck with fasteners and plates appropriate to the deck type. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to WeatherBond's specifications.

XFP HD FR 4' x 8' panels can be secured to the roof deck with WeatherBond's DASH Adhesives.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

## 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, 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.



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ROOFING SYSTEMS

Single-Ply Simplified

## Typical Properties and Characteristics

Property	Test Method	Value
Compressive Strength	ASTM D1621	109 psi max (751 kPa)
Dimensional Strength	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 (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.

## LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	9%
Manufacturing Location(s)	Smithfield, PA Tooele, UT
Solar Reflection Index	N/A



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Single-Ply Simplified

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