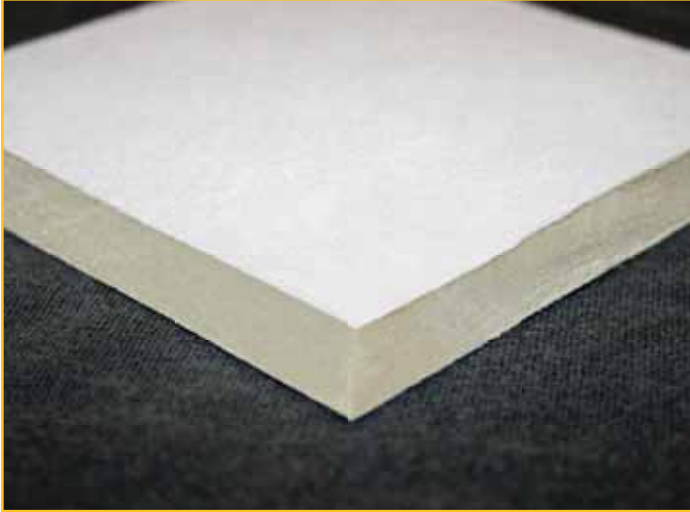


VERSICO'S SECURSHIELD HD PLUS



Overview

SecurShield HD Plus™ is an FM-approved, ½-inch thick high-density Polyiso insulation panel specifically designed for use as a cover board in fully adhered systems. It is manufactured on-line using premium-performance coated-glass facers. SecurShield HD Plus delivers an R-value of 2.5, significantly higher than roof cover boards made with other materials such as wood fiber or gypsum.

Features and Benefits

- Meets Factory Mutual 1-90 with 8 fasteners per 4' x 8' board
- Compatible with all Versico single-ply roofing systems
- Superior compressive strength >100 psi
- 4 lbs/pcf, high-density foam core provides enhanced physical properties
- Lightweight – easy to cut, handle and install
- Superior protection against hail, rooftop traffic and other dangerous elements
- SH-1 hail rating

Product Characteristics

- Panel size: 4' x 8' (1.22 m x 2.44 m)
- Panel thickness: ½" (13 mm)
- Pieces per pallet: 96
- Weight: 13 lbs (5.9 Kg) per 4' x 8' panel
0.34 lbs/sq. ft.

Application

SecurShield HD Plus is designed as a cover board over a variety of substrates for fully adhered re-roofing and new construction applications.

Code Approvals

- FM 4450 and FM 4470
- UL 790
- UL Classified

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. Versico 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 Versico for more specific details or refer to PIMA Technical Bulletin No. 109: Storage and Handling Recommendations for Polyiso Roof Insulation.

Installation

Fully Adhered Single-Ply Systems

Versico's SecurShield HD Plus may be secured to the roof deck (appropriate to the deck type) using Versico DASH Adhesives, fasteners and plates or hot asphalt. Butt the edges of the insulation panels and stagger the joints. For adhesive coverage or fastener patterns and requirements please contact Versico's Design Services group. Install the membrane according to your specific Versico specification. Be certain to install boards in accordance with the proper side down as indicated on each board.

TYPICAL PROPERTIES AND CHARACTERISTICS*

Property	Test Method	Value
Compressive Strength	ASTM D1621 (modified)	< 100 psi (690 kPa)
Dimensional Stability	ASTM D2126	< 0.5% linear change (7 days)
Water Absorption	ASTM C209	< 1% volume
R-value	ASTM D518	2.5
Thickness		1/2"
Service Temperature		260°F or less (126°C or less)
Resistance to Mold		Passed
*Polyiso foam core only		

* 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® INFO

Post-industrial Recycled Content	< 9%	
Manufacturing Locations	Smithfield, PA	Terrell, TX
	Franklin Park, IL	Lake City, FL
	Tooele, UT	Kingston, NY