INVINSA® ROOF BOARD

High-Density Polyiso Advantage

Meets the requirements of ASTM C 1289, Type II, Class 4, Grades 1, 2 and 3

Features and Components

High-Density Polyisocyanurate Foam Core: Closed cell polyisocyanurate foam technology provides additional insulation value, with lightweight and low water absorption characteristics.

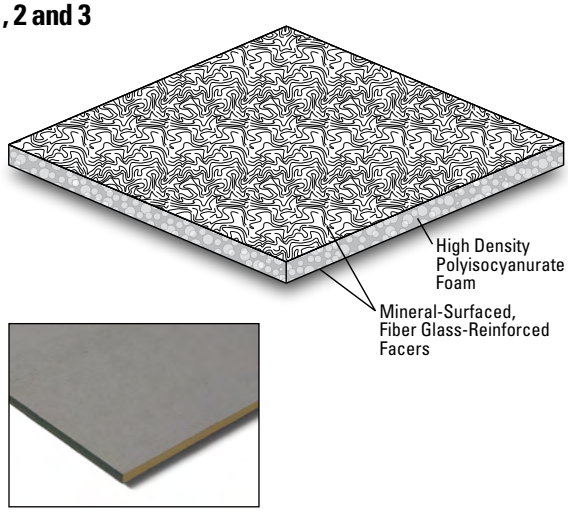
Mineral Coated Fiber Glass-Reinforced Facers: Bonded in-line to the polyisocyanurate foam core to provide a smooth, strong surface for better membrane adhesion without the need for priming, with enhanced water resistance that will not support mold growth.

Lightweight: Offers labor and installation efficiencies and allows more options for situations where the overall weight is a concern. This also means easy hoisting, staging and maneuvering around the roof.

Flexibility: Means less breakage during handling, and in re-cover applications it allows Invinsa to accommodate minor irregularities in existing roofs.

User Friendly: Invinsa allows easy & efficient scoring, cutting and snapping which permits fast, tight fabrication and all in a low dust environment.

Resistance To Damage: High impact, flexural and compressive strength provides a protective layer for insulation while working with the membrane above to ensure maximum performance and longevity.



Component

B Cover Board

Multi-Ply
Single Ply

Type

PF Poly Foam

LT Low Thermal

HD High Density

System Compatibility

This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	CA	HW	HA	CA	HW	SA
	Compatible with the selected Multi-Ply systems above							

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
	Compatible with the selected Single Ply systems above						

Key: **HA** = Hot Applied **CA** = Cold Applied **HW** = Heat Weldable **SA** = Self Adhered **MF** = Mechanically Fastened **FA** = Fully Adhered **BA** = Ballasted

Energy and the Environment

LEED®	Recycled Content	Pre-Consumer: 3.7%
		Post-Consumer: 0%

Peak Advantage® Guarantee Information

Systems	Guarantee Term*
When used in most JM multi-ply or single ply systems	10, 15 or 20 years

* Contact JM Technical Services for specific systems or terms over 20 years.

Codes and Approvals

CLASSIFIED C UL US

FM APPROVED

MIAMI-DADE COUNTY APPROVED
Miami-Dade County Product Control Approved

Installation/Application

Cold Applied | Urethane Adhesive | Mechanically Fastened

Refer to the Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Sizes	4' x 4' x ¼" (1.22 m x 1.22 m x 6.35 mm)	4' x 8' x ¼" (1.22 m x 2.44 m x 6.35 mm)
Board Weight	6 lb (2.72 kg)	12 lb (5.4 kg)
Coverage/Pallet	480 ft²	960 ft²
Boards/Pallet	30	30
Pallet Weight	185 lb (83.5 kg)	370 lb (167 kg)
Pallets per Truck*	192	96
Producing Location	Cornwall, ON and Jacksonville, FL	

* Assumes 48' flatbed truck.

Refer to the Material Safety Data Sheet and product label prior to using this product. The Material Safety Data Sheet is available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

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Typical Physical Properties

	Test	ASTM	Invinsa Roof Board
Strength	Compression Strength	D 1621	150 psi (1,034 kPa)
Strength	Flexural Strength Modulus of Rupture Breakload	D 1037	 1500 psi (10,343 kPa) 25 lbf (0.111 kN)
Strength	Dimensional Stability, Linear Change	D 2126	<0.6%
Moisture	Moisture Vapor Permeance	E 96	<1 perm (<57.5 ng/(Pa•s•m2))
Moisture	Water Absorption, % by vol (max)	C 209	2.0
Moisture	Surface Water Absorption	C 473	<1 gram
Moisture	Mold Resistance	D 3273	Pass
Installation	Weight per ft^2	N/A	0.375 lb-ft^2 (1.83 kg-m^2)
Installation	Weight per board (4'x8')	N/A	12 lb

Thermal Performance

Thickness		Nominal R-Value (Resistance)	
in.	mm	(hr•ft^2•°F)/BTU	m^2•°C/W
¼	6.35	1.2	0.21

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