

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.

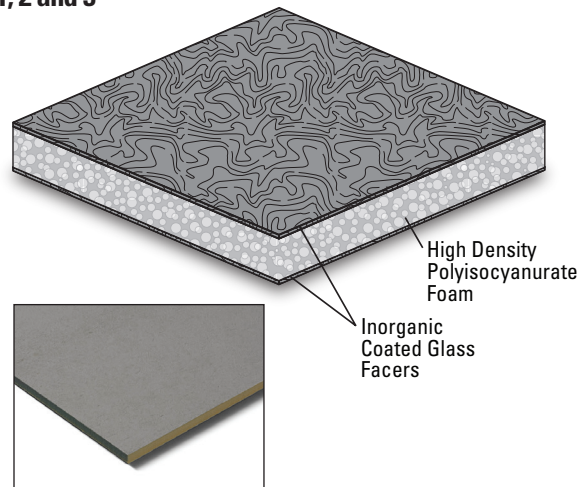
Inorganic Coated Glass Facers: (With no cellulose) Provide improved resistance to mold growth, as well as a smooth surface that performs well with self-adhering systems, and efficient adhesive application in fully adhered single ply systems.

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	Up to 30 years

* Contact JM Technical Services for specific systems.

Codes and Approvals



Installation/Application



Refer to the Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Sizes	4' x 4' x 1/4" (1.22 m x 1.22 m x 6.35 mm)	4' x 8' x 1/4" (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 ft ²	960 ft ²
Boards/Pallet	30	30
Pallet Weight	185 lb (83.5 kg)	370 lb (167 kg)
Pallets per Truck*	192	96
Producing Locations	Cornwall, ON	Jacksonville, FL Fernley, NV

* Assumes 48' flatbed truck.

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Typical Physical Properties

Test	ASTM	Invinsa Roof Board
Strength	Compressive Strength, psi (kPa), <i>nom</i>	D 1621 150 psi (1,034 kPa)
	Flexural Strength Modulus of Rupture, psi (kPa), <i>nom</i> Breakload, lbf (kN), <i>nom</i>	D 1037 1500 psi (10,343 kPa) 25 lbf (0.111 Kn)
	Dimensional Stability, % Linear Change, <i>max</i>	D 2126 <1%
Moisture	Moisture Vapor Permeance, perm (ng/(Pa•s•m ²)), <i>max</i>	E 96 <1 perm (<57.5 ng/(Pa•s•m ²))
	Water Absorption, % by vol, <i>max</i>	C 209 <4%
	Surface Water Absorption, gram, <i>max</i>	C 473 <1 gram
	Mold Resistance	D 3273 Pass
Installation	Weight, lb-ft ² (kg-m ²), <i>nom</i>	N/A 0.375 lb-ft ² (1.83 kg-m ²)
	Weight per board (4' x 8'), lb (kg), <i>nom</i>	N/A 12 lb (5.4 kg) (nom)

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