

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.

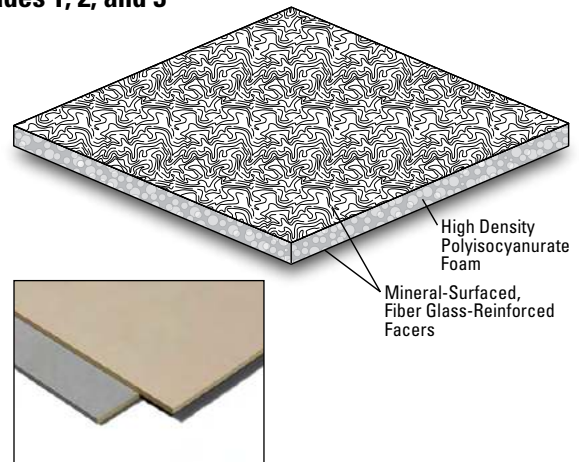
Mineral Coated Fiber Glass-Reinforced Facers: Bonded in-line to the polyisocyanurate foam core to provide a smooth, strong surface for better membrane adhesion without the need for priming, with enhanced water resistance that will not support mold growth. The premium tan facer allows for UL Class A wood deck applications.

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-roof applications it allows Invinsa to accommodate minor irregularities in existing roof decks.

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.



Note: Tan premium facer must be orientated downward on the roof deck. Grey facer is always installed up.

Component
B Cover Board
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 single ply systems	10, 15 or 20 years

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

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	6.5 lb (2.95 kg)	13 lb (5.9 kg)
Coverage/Pallet	480 ft²	960 ft²
Boards/Pallet	30	30
Pallet Weight	200 lb (90.7 kg)	400 lb (181 kg)
Pallets per Truck*	192	96
Producing Locations	Cornwall, ON	Fernley, NV

* Assumes 48' flatbed truck.

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Typical Physical Properties

Test		ASTM	Invinsa FR Roof Board
Strength	Compressive Strength, psi (kPa), <i>nom</i>	D 1621	150 (1,034)
	Flexural Strength Modulus of Rupture, psi (kPa), <i>nom</i> Breakload, lbf (kN), <i>nom</i>	D 1037	1500 (10,343) 25 (0.111)
	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 (<57.5)
	Water Absorption, % by vol, <i>max</i>	C 209	<4.0
	Surface Water Absorption, gram, <i>max</i>	C 473	<1
	Mold Resistance	D 3273	Pass
Installation	Weight, lb-ft ² (kg-m ²), <i>nom</i>	N/A	0.406 (1.96)
	Weight per board (4' x 8'), lb (kg), <i>nom</i>	N/A	13 (5.9)

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