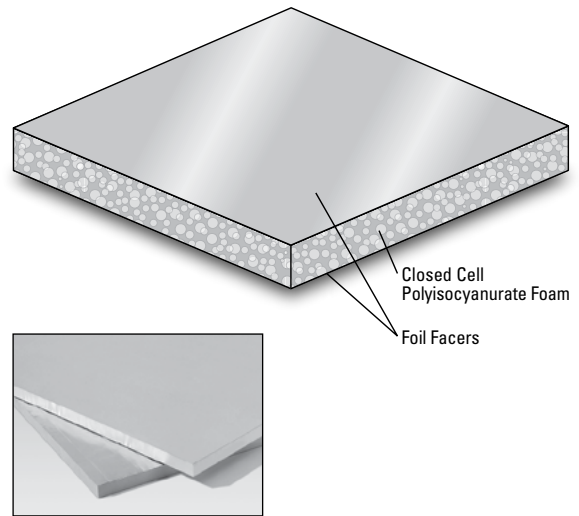


Meets the requirements of ASTM C 1289, Type I, Class I, (available in 20 psi and 25 psi)

Features and Components

Foil Facers: Provide low vapor permeability, for cold storage or metal building applications.

Closed Cell Polyisocyanurate Foam Core: Provides high R-value per inch in metal roof and single ply roof systems, and utilizes an environmentally compliant blowing agent that provides high thermal insulation performance.



Component
I Insulation
Multi-Ply Single Ply
Type
HT High Thermal

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	Varies with thickness, see <i>Product Data and Packaging</i> table on back page.
Produced with environmentally compliant pentane blowing agent with zero ozone depletion (conforms to the Montreal Protocol of 1987).		

Peak Advantage[®] Guarantee Information

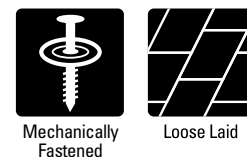
Systems
For use in approved JM Peak Advantage Roofing Guarantees. MF Single Ply limited to 15 years.

Codes and Approvals



- Meets the requirements of CAN/ULC S704
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1341

Installation/Application



ENRGY 3 Foil Face cannot be used directly with any systems using hot asphalt, heat weld or any fully adhered single ply systems.

Refer to the application instructions guidelines for proper utilization of this product.

Flute Span:	Up to 2 ⁵ / ₈ " (6.67 cm)	Up to 3 ³ / ₈ " (8.57 cm)	Up to 4 ³ / ₈ " (11.11 cm)
Width of Rib Opening:	Up to 2 ⁵ / ₈ " (6.67 cm)	Up to 3 ³ / ₈ " (8.57 cm)	Up to 4 ³ / ₈ " (11.11 cm)
Insulation Thickness (min):	1.0" (2.54 cm)	1.2" (3.05 cm)	1.3" (3.30 cm)

Packaging and Dimensions

Sizes ¹	4' x 4' (1.22 m x 1.22 m)	4' x 8' (1.22 m x 2.44 m)	
Producing Locations	Bremen, IN Hazleton, PA	Cornwall, ONT Jacksonville, FL	Fernley, NV
Stocking Locations ²	Grand Prairie, TX	Southgate, CA	Tracy, CA

1. For available thicknesses, see *Product Data and Packaging* table on back side of this data sheet. Other sizes available by special request, some sizes are not stocked and special order with minimum order quantities. Contact your JM Sales Representative for details.
2. Not all sizes, thicknesses, and products are stocked at all locations, please call Customer Service at 1-877-766-3295.

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

Note: Technical information on this data sheet is intended to be used as a general guideline only and is subject to change without notice. Contact your JM Sales Representative for further details.

Typical Physical Properties

Test		ASTM	Values
Strength	Compressive Resistance 10% Consolidation	D 1621	Grade 2: 20 psi (138 kPa), Grade 3: 25 psi (172 kPa)
	Dimensional Stability Change, (length and width)	D 2126	2% linear (max)
Moisture	Moisture Vapor Permeance, (foam core)	E 96	0.3 perm, 17 ng/(Pa•s•m ²) (max)
	Water Absorption	C 209	1.0% (max)
Installation	Service Temperature	D 1623	-100°F – 250°F (-73°C – 121°C)
	Flame Spread, (foam core)	E 84	20 - 30
	Smoke Developed, (foam core)	E 84	55 - 250

Product Data and Packaging

Thickness		Thermal Values (USA C 518) ¹		Design LTTR (Canada) ²	Total Recycled Content ³	Boards per Pallet	Square Feet per Pallet		Pallets per Truck ⁴	
in.	mm	(hr•ft ² •°F)/BTU	K•m ² /W	K•m ² /W	(all pre-consumer)	4x4 and 4x8	4x4	4x8	4x4	4x8
1.0	25	6.5	1.14	1.0	8.4	48	768	1536	48	24
1.5	38	9.8	1.73	1.6	10.3	32	512	1024		
2.0	51	13.0	2.29	2.1	11.1	24	384	768		
2.5	64	16.3	2.87	2.7	11.8	19	304	608		
3.0	76	19.5	3.43	3.2	12.3	16	256	512		
3.5	84	22.8	4.01	3.8	12.5	13	208	416		
4.0	102	26.0	4.56	4.3	13.1	12	192	384		

1. According to ASTM C 1289, thermal values are determined by conditioning the material for 180 days prior to testing with ASTM C 518. LTTR test methods are not used for impermeable facers like aluminium foil. 2. Design LTTR is for Canada and determined by CAN/ULC-S770 in accordance with CAN/ULC-S704. 3. Value represents average results. 4. Assumes 48' flatbed truck.