

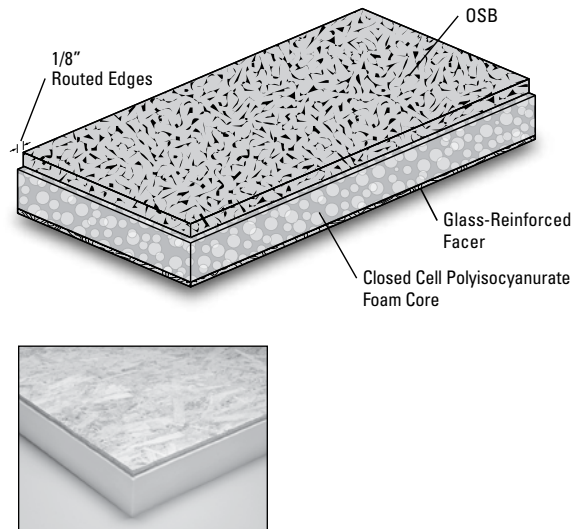
Meets the requirements of ASTM C 1289, Type V (available with 20 or 25 psi ENRGY 3®)

Features and Components

Oriented Strand Board (OSB): Provides a strong nailable surface; always install wood side up. Available wood thickness standard 7/16" or 5/8" thick rated "1 OSB". Wood edges are routed 1/8" to allow for expansion and contraction of the wood.

ENRGY 3: Closed cell polyisocyanurate foam core bonded inline to the wood base on one side and a glass-reinforced facer on the other. Nailboard can also be manufactured off-line using an adhesive between the wood and ENRGY 3.

Optional Woods: The following woods are available as special orders: 3/4" OSB; 15/32" and 19/32" CDX plywood; Fire Treated; FSC.



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

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
<i>Do not use in Multi-Ply systems</i>								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
<i>Compatible with the selected Single Ply systems above</i>							

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 a pentane blowing agent with zero ozone depletion and virtually no global warming potential.		

Peak Advantage® Guarantee Information

Systems
Contact Guarantee Services regarding system warranty availability.

Codes and Approvals



- FM® Standards 4450/4470 Approvals (refer to FM RoofNavSM)
- UL® Standard 790, 263 and 1256 (refer to UL Roofing Materials system directory)
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1341
- Third-party certification with the PIMA Quality Mark™ for Long-Term Thermal Resistance (LTTR) values
- Incorporates APA/TECO Rating Sheathing Exposure 1 OSB

Refer to the Safe for Use instructions and product label prior to using this product. The Safe for Use instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

Installation/Application



Mechanically Fastened

- All Nailboards must be mechanically attached with JM-approved fasteners Nail-Lok™ SD and Nail-Lok™ WD.
- Install Nailboard wood-side up.
- Foam edges should contact each other to achieve thermal performance.
- Refer to the insulation installation instructions for proper utilization of this product.

Packaging and Dimensions

Foam Size	4' x 8' (1.22 m x 2.44 m)
Producing Locations	Bremen, IN

1. For available thicknesses, see *Product Data and Packaging* table on back side of this data sheet. Contact your JM Sales Representative for details.

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.

Meets the requirements of ASTM C 1289, Type V

Typical Physical Properties (ENRGY 3® Foam Layer Only)

Test		ASTM Values	Nailboard Results
Strength	Tensile Strength	C 209	500 psf (24 kPa) (min)
	Compression Resistance 10% Consolidation	D 1621	20 psi (140 kPa) (min), 25 psi (172 kPa) (min)
	Dimensional Stability Change, (length & width)	D 2126	2% linear (max)
Moisture	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

Composite Thickness ¹		7/16" (1.11 cm) OSB					5/8" (1.59 cm) OSB					Boards per Pallet	Square Feet per Pallet	Pallets per Truck ⁴
		Long-Term Thermal Resistance (LTTR) Values ²		Weight		Total Recycled Content	Long-Term Thermal Resistance (LTTR) Values ²		Weight		Total Recycled Content			
in.	mm	(hr·ft ² ·°F)/BTU	m ² ·°C/W	lb/ft ²	kg/m ²	%	(hr·ft ² ·°F)/BTU	m ² ·°C/W	lb/ft ²	kg/m ²	%			
2.0	51	9.2	1.61	1.75	8.54	2.8						24	768	24
2.1	53	9.7	1.71	1.76	8.61	2.8	9.2	1.62	2.37	1.07	2.8%	21	672	
2.2	56	10.3	1.81	1.78	8.68	2.8	9.7	1.71	2.38	1.08	2.8%	20	640	
2.3	58	10.9	1.91	1.79	8.74	2.8	10.3	1.81	2.39	1.09	2.8%	20	640	
2.4	61	11.4	2.01	1.80	8.81	2.8	10.9	1.91	2.41	1.09	2.8%	19	608	
2.5	64	12.0	2.11	1.82	8.88	2.9	11.4	2.01	2.42	1.10	2.8%	19	608	
2.6	66	12.6	2.22	1.83	8.94	2.9	12.0	2.11	2.43	1.10	2.8%	18	576	
2.7	69	13.2	2.32	1.85	9.01	2.9	12.6	2.22	2.45	1.11	2.9%	17	544	
2.8	71	13.8	2.43	1.86	9.08	2.9	13.2	2.32	2.46	1.12	2.9%	16	512	
2.9	74	14.4	2.53	1.87	9.15	2.9	13.8	2.43	2.48	1.12	2.9%	16	512	
3.0	76	15.0	2.64	1.89	9.21	2.9	14.4	2.53	2.49	1.13	2.9%	16	512	
3.1	79	15.6	2.74	1.90	9.28	2.9	15.0	2.64	2.50	1.14	2.9%	14	448	
3.2	81	16.2	2.85	1.91	9.35	3.0	15.6	2.74	2.52	1.14	2.9%	14	448	
3.3	84	16.8	2.96	1.93	9.41	3.0	16.2	2.85	2.53	1.15	2.9%	14	448	
3.4	86	17.4	3.06	1.94	9.48	3.0	16.8	2.95	2.54	1.15	2.9%	13	416	
3.5	89	18.0	3.17	1.96	9.55	3.0	17.4	3.06	2.56	1.16	2.9%	13	416	
3.6	91	18.6	3.28	1.97	9.62	3.0	18.0	3.17	2.57	1.17	3.0%	12	384	
3.7	94	19.2	3.39	1.98	9.68	3.0	18.6	3.28	2.59	1.17	3.0%	12	384	
3.8	97	19.8	3.49	2.00	9.75	3.0	19.2	3.38	2.60	1.18	3.0%	12	384	
3.9	99	20.5	3.60	2.01	9.82	3.0	19.8	3.49	2.61	1.19	3.0%	12	384	
4	102	21.1	3.71	2.02	9.88	3.1	20.5	3.61	2.63	1.19	3.0%	12	384	
4.1	104						21.1	3.71	2.64	1.20	3.0%	11	352	

1. Thickness less than 2.0" and more than 4.1" is special order and can only be fulfilled with OSB.
 2. The Long-Term Thermal Resistance (LTTR) values were determined in accordance with CAN/ULC S770 at 75°F (24°C). The ultimate R-Value of these products will depend on individual installation circumstances.
 3. Value represents average results.
 4. Assumes 48' flatbed truck.

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