Vented Nailboard®

Polyisocyanurate Nailable Roof Insulation

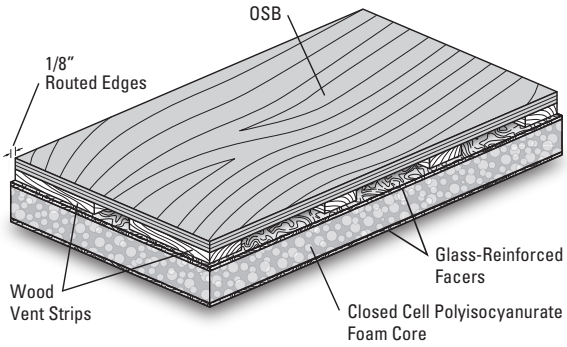
Polyisocyanurate Insulation meets ASTM C 1289. (available in 20 or 25 psi ENRGY 3)

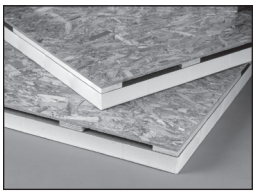
Features and Components

Oriented Strand Board (OSB): Provides a strong nailable surface; always install wood side up. Available wood thickness: OSB (7/16" & 5/8"). All wood edges are routed 1/8" on all four sides to allow for expansion and contraction of the wood.

Vent Strips: See pattern on next page. For wood thickness (1", 1.5", or 2").

ENRGY 3: Closed cell Polyisocyanurate foam core bonded inline to glass reinforced facers (See ENRGY 3 data sheet), Vented Nailboard is assembled offline using staples (strip to wood attachment) and adhesives (strip-to-foam attachment).





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
	Do not use in Multi-Ply systems							

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 *Product Data and Packaging* 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
Contact guarantee services regarding system warranty availability.

Codes and Approvals

- Incorporates APA/TECO Rating Sheathing Exposure 1 OSB
- Complies with EPA requirements and meets Clean Air Act Amendments of 1990.
- Third-party certification with the PIMA Quality Mark™ for Long-Term Thermal Resistance (LTTR) values.
- UL Listed: refer to UL Directory of products.

Installation/Application

Mechanically Fastened

- All Vented Nailboards must be mechanically attached.
- Install Vented Nailboard wood-side up.
- See following page for vent pattern.
- Refer to the application instructions guidelines for proper utilization of this product.

Packaging and Dimensions

Foam Size	4' x 8' (1.22 m x 2.44 m)
Producing Locations	Hazleton, PA

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

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.

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.

RS-5147 11-16 (Replaces 11-15)

VENTED NAILBOARD®

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Typical Physical Properties (ENRGY 3 Foam Layer Only)

Test		ASTM Values	Vented Nailboard Results
Strength	Tensile Strength	D 1623	730 psf (35 kPa) *(nom)*
	Compression Resistance 10% Consolidation	D 1621	Grade 2: 20 psi (138 kPa), Grade 3: 25 psi (172 kPa)
	Dimensional Stability Change, *(length & width)*	D 2126	<2% *(linear)*
Moisture	Moisture Vapor Permeance	E 96	<1 perm 57.5 ng/(Pa•s•m²)
	Water Absorption	C 209	<1.0% *(max)*
Installation	Service Temperature	D 1623	-100°F - 200°F (-73°C - 93°C)
	Flame Spread, *(foam core)*	E 84	20 - 30
	Smoke Developed, *(foam core)*	E 84	55 - 250

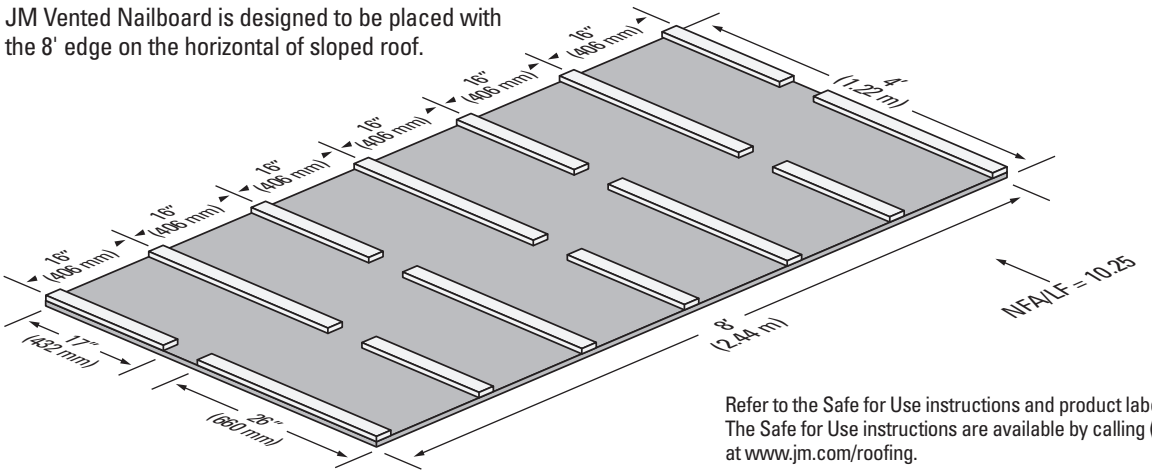
Product Data and Packaging

Thickness		Long-Term Thermal Resistance (LTTR) Values [1]		Total Recycled Content [2] %	Weight with 7/16" (1.11 cm) OSB		Boards per Pallet	Square Feet per Pallet	Pallets per Truck [3]
in.	mm	(hr•ft²•°F)/BTU	m²•°C/W		lb/ft²	kg/m²			
2.50	64	6.3	1.1	5.9	2.21	10.79	19	608	24
2.75	70	7.7	1.4	6.2	2.23	10.89	17	544	
3.00	76	9.2	1.6	6.4	2.26	11.03	16	512	
3.25	83	10.6	1.9	6.5	2.28	11.13	14	448	
3.50	89	12.0	2.1	6.6	2.31	11.28	14	448	
3.75	95	13.5	2.4	6.8	2.33	11.38	12	384	
4.00	102	15.0	2.6	7.0	2.36	11.52	12	384	
4.25	108	16.5	2.9	7.2	2.38	11.62	11	352	
4.50	114	18.0	3.2	7.3	2.41	11.77	10	320	
4.75	121	19.5	3.4	7.4	2.43	11.86	10	320	
5.00	127	21.1	3.7	7.5	2.46	12.00	9	288	
5.25	133	22.6	4.0	7.7	2.48	12.11	9	288	
5.50	140	24.2	4.3	7.9	2.51	12.25	9	250	

1. 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. Values in this table are 7/16" OSB (rounded up to 0.5") and a 1" vent spacer. As an example 2.5" vented Nailboard has 1" ISO, 1" vent spacing, and 0.5" OSB. LTTR using 5/8" OSB – add 0.1 R to above values. 2. Value represents average results. 3. Assumes 48' flatbed truck.

Vent Strip Pattern

JM Vented Nailboard is designed to be placed with the 8' edge on the horizontal of sloped roof.



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