

Description

Vented Nailboard is a rigid roof insulation board composed of a closed cell polyisocyanurate foam core attached with spacers to 7/16" (1.11 cm) or 5/8" (1.59 cm) oriented strand board (OSB) or CDX on one side and a universal fiber glass-reinforced facer on the other. The polyisocyanurate component of Vented Nailboard utilizes an environmentally compliant blowing agent containing pentane hydrocarbon to enhance the thermal performance of the foam insulation. This hydrocarbon has zero ozone depletion potential and conforms to the Montreal Protocol established in 1987. Vented Nailboard meets the physical property requirements of ASTM C 1289, Type V.

Use

Vented Nailboard is designed for use as an insulation/nailbase underlayment for a variety of roofing systems. Vented Nailboard can be used in new construction and re-roofing on commercial, industrial and residential buildings. Vented Nailboard made with 7/16" (1.11 cm) OSB or CDX is used in metal roof systems. Vented Nailboard with 5/8" (1.59 cm) OSB or CDX is used for tile and slate roof systems. Fire-rated OSB and CDX boards may be available upon request.

Energy and the Environment

LEED®	Recycled Content		
	Total:	See chart below	
	Producing Locations		
	Bremen, IN Fernley, NV	Jacksonville, FL	Hazleton, PA



Advantages

- High thermal efficiency.
- Strong nailable base.
- Incorporates APA Rated Exposure 1 OSB.
- Incorporates a seamless sheet of OSB or CDX to eliminate potential splitting of the panel during loading or handling.
- OSB or CDX is factory-routed up to 1/4" (6.35 mm) on all four sides to allow for required spacinwhile maintaining the integrity of the insulation system.
- Increased air flow.
- Improved cooling.
- Decreased moisture vapor.

Typical Physical Properties – Foam Core Only

Meets or exceeds ASTM C 1289, Type V and CAN/ULC S704.

	Values	Test Method
Water Absorption, % by Volume – 2 hours	1.0 max	ASTM C 209
Dimensional Stability Change: 7 days @ 158°F (70°C) 90 - 100% RH		
Lengthwise	<2%	ASTM D 2126
Crosswise	<2%	
Compression Resistance*		
10% Consolidation-psi (kPa)	20 (138) min.	ASTM D 1621
Moisture Vapor Transmission	<1 perm 57.5ng/(Pa*s*m ²)	ASTM E 96
Flame Spread	50 Max	ASTM E 84
Service Temperature	-100°F - 200°F (-73°C - 93°C)	

* Foam core only.

Sizes

4' x 8' (1.22 m x 2.44 m) standard panels
2.5" to 5.5" (6.35 cm to 13.97 cm) thicknesses available

Thermal Performance – (Includes 7/16" [1.11 cm] OSB)

Product Thickness (nom.) (in.)	(cm)	LTTR*-Value (hr•ft ² •°F)/BTU	m ² •°C/W	Weight lb/ft ²	kg/m ²	Total Recycled Content (%)
2.5	6.35	6	1.1	2.21	10.79	5.9
2.75	6.99	7.5	1.3	2.23	10.89	6.2
3	7.62	9	1.6	2.26	11.03	6.4
3.25	8.26	10.5	1.9	2.28	11.13	6.5
3.5	8.89	12.1	2.1	2.31	11.28	6.6
3.75	9.53	13.7	2.4	2.33	11.38	6.8
4	10.16	15.3	2.7	2.36	11.52	7
4.25	10.76	16.9	3	2.38	11.62	7.2
4.5	11.43	18.5	3.3	2.41	11.77	7.3
4.75	12.07	20.1	3.5	2.43	11.86	7.4
5	12.70	21.7	3.8	2.46	12	7.5
5.25	13.34	23.4	4.1	2.48	12.11	7.7
5.5	13.97	25	4.4	2.51	12.25	7.9

* The Long-Term Thermal Resistance (LTTR) values were determined in accordance with CAN/ULC S770.

Refer to the Material Safety Data Sheet and product label prior to using this product.