

The JM Nailboard® Advantage

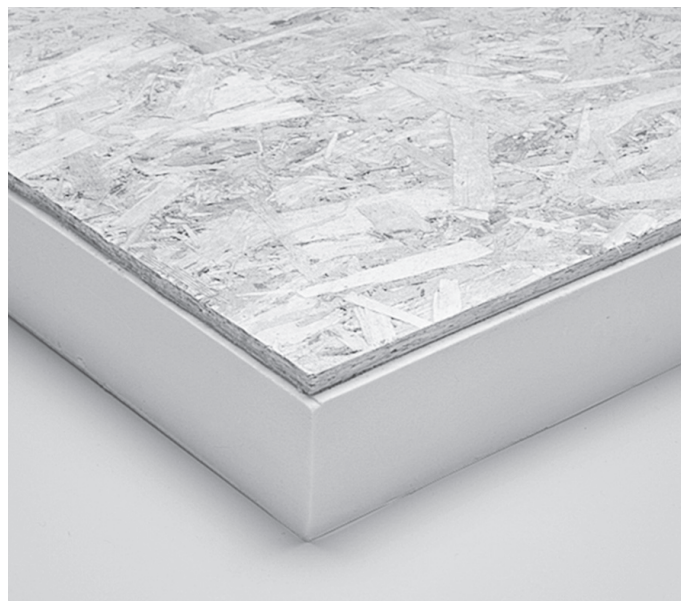
Johns Manville Nailboard is the product of choice for many commercial and residential roofing applications. It is well suited for roofing assembly with proven, high-thermal ENRGY 3® polyisocyanurate insulation paired with a strong, nailable OSB (oriented strand board) surface. The combination makes one seamless panel for easy application under shingles, slate, tile or standing seam metal roof covers, provides greater strength and helps eliminate breakage. The wood layer has routed edges to allow for expansion and contraction with changing weather and reduces the risk of buckling, while the foam layer minimizes thermal loss. The closed-cell polyiso foam core is bonded to OSB on one side during the foaming process; the other side has a universal fiber glass-reinforced facer.

Layered for Climate Control

In order to achieve the best possible thermal performance, Nailboard must be installed tightly together. A vapor retarder may be necessary to protect roofing components when high interior humidity is a factor. The use, type, placement and location of a vapor retarder should be determined by a licensed architect or engineer.

Sustainable Roofing Materials

All JM polyiso is produced with a pentane-blowing agent with zero ozone depletion and virtually no global warming potential. The steel-based Nail-Lok™ fasteners used to mechanically attach Nailboard contain a minimum of 25% post-consumer recycled materials by weight.



Product Availability

Nailboard is offered in 4' x 8' panels, and is available with OSB thickness of 7/16" or 5/8". In order to meet the inline manufacturing requirements and standard lead times, orders must be a minimum of 12 pallets and between 2" and 4.1" total composite thickness.

Nail-Lok Fastener Benefits

Nail-Lok fasteners are available in SD for steel decks and WD for wood decks. On both, the extra large start/spider head increases pull-through resistance and eliminates the need for plates and washers. The fasteners are comprised of 10B21 steel with a corrosion-resistant coating.

Thickness		Long-Term Thermal Resistance (LTTR) Values ¹		Total Recycled Content ² %
in.	mm	(hr•ft ² •°F)/BTU	m ² •°C/W	
2.0	51	9.2	1.6	2.8
2.5	64	12.0	2.1	2.9
3.0	76	15.0	2.6	2.9
3.5	89	18.0	3.2	3.0
4.0	102	21.1	3.7	3.1

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 for 7/16" OSB (rounded up to 0.5"). As an example 2" Nailboard has 1.5" of ISO for this calculation. LTTR using 5/8" OSB – add 0.1 R to the above values.

2. Value represents average results.