

# NAILBASE VENT-1

**An easy to use one-step insulation, roof deck venting, and nailable surface.**

R-Shield® Nailbase Vent-1 consists of 7/16" Exposure I rated Oriented Strand Board (OSB) and UL Classified R-Shield insulation rigid insulation with integral venting channels. It is an ideal insulation and vented nailable surface for structural roof decks. Stability, integral ventilation, and traffic resistance make R-Shield Nailbase Vent-1 perfect for roof decks requiring ventilation.

- Saves labor with one-step installation
- Integral venting channels
- Saves energy - no thermal breaks

## Thickness/R-value.

	R-value <sup>1</sup>			
	1" Vent Depth		1.5" Vent Depth	
	75°F <sup>2</sup>	40°F <sup>3</sup>	75°F <sup>2</sup>	40°F <sup>3</sup>
<b>Thickness</b>				
<b>4</b>	11.03	11.94	9.63	10.47
<b>6</b>	18.90	20.34	17.44	18.77
<b>7 3/4</b>	25.72	27.69	24.26	26.12
<b>9 3/4</b>	33.52	36.09	32.06	35.67
<b>11 3/4</b>	41.32	44.49	39.86	42.92

<sup>1</sup> R-value units are °F-ft<sup>2</sup>-h/Btu.

<sup>2</sup> Recommended for design in WARM climates.

<sup>3</sup> Recommended for design in COLD climates.

## Proven to meet, or exceed, building codes.

R-Shield is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40361-01 and ICC ESR-4743. R-Shield meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



## FOAM FACTS:

**R-Shield Nailbase Vent-1 outperforms other Nailbase products.**

- R-Shield can easily vary thickness to meet project R-values
- R-Shield is less-expensive than XPS and ISO products
- No long-term R-value loss or thermal drift
- R-Shield with termite treatment available to provide termite resistance

## Energy Code Ci Requirements.

The use of continuous insulation is mandated by the 2018 International Energy Conservation Code (IECC). The IECC provides a prescriptive path for roof/ceiling insulation that includes the use of continuous insulation.

Zone	IECC-2018 Prescriptive Ci R-value		
	Residential Ceiling	Commercial Roof Above Deck	
		All other	Group R
1	R-30	R-20ci	R-25ci
2	R-38	R-25ci	R-25ci
3	R-38	R-25ci	R-25ci
4 except Marine	R-49	R-30ci	R-30ci
5 and 4 Marine	R-49	R-30ci	R-30ci
6	R-49	R-30ci	R-30ci
7	R-49	R-35ci	R-35ci
8	R-49	R-35ci	R-35ci

## Installation.

Installation shall be in strict accordance with published instructions, details, and drawings that are part of the contract documents for the project.

1. R-Shield Nailbase Vent-1 must be installed over a structurally sound roof deck.
2. Apply vapor retarder as specified by a qualified design professional prior to the installation of the R-Shield Nailbase Vent-1 panel.

Note: Climate conditions, code requirements, and building science dictate the use and position of vapor retarders within roof assemblies. Consult with local code officials and building science professional concerning the use of vapor retarders.

3. Install R-Shield Nailbase Vent-1 with venting channels parallel to the roof slope and mechanically fasten with Foam-Control Screws as specified.
4. Install continuous ventilated termination fixtures at all perimeters, ridges, hips, and openings that run perpendicular to the R-Shield Nailbase Vent-1 venting channels.
5. Install continuous wood blocking at all perimeters and openings parallel to the R-Shield Nailbase Vent-1 venting channels.
6. Install roof cladding materials per manufacturer's specifications and recommendations.

## Ready to take control? Start here.

If you're ready to have R-Shield contribute to your next project, just contact your Premier Building Systems Technical Sales Representative. They will be happy to give you design consultation, information about R-Shield products, pricing, and answers to all of your questions.

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