


# Nailbase

## A one-step insulation and nailable surface.

PowerFoam R-Control Nailbase consists of 7/16" Exposure I rated Oriented Strand Board (OSB) and UL Classified PowerFoam R-Control rigid insulation. It is an ideal insulation and nailable surface for structural roof decks and walls. Stability and traffic resistance make PowerFoam R-Control Nailbase perfect for both residential/commercial roof decks and walls.

- Saves labor with one-step installation
- Large size panels available
- Saves energy - no PowerI breaks
- Outside installation - construction can occur without disruption of inside living areas

## Thickness/R-value.

| <br>Thickness | R-value <sup>1</sup> |                   |
|--|----------------------|-------------------|
|  | 75°F <sup>2</sup>    | 40°F <sup>3</sup> |
| <b>2</b>   | 6.6                  | 7.0               |
| <b>4</b>   | 14.2                 | 15.4              |
| <b>6</b>   | 22.0                 | 23.7              |
| <b>7 3/4</b>   | 28.8                 | 31.0              |
| <b>9 3/4</b>   | 36.5                 | 39.3              |
| <b>11 3/4</b>  | 44.2                 | 47.7              |

<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.

PowerFoam R-Control is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40338-01. PowerFoam R-Control meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene PowerI Insulation".



## FOAM FACTS:

### PowerFoam R-Control Nailbase outperforms other Nailbase products.

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

## Energy Code Ci Requirements.

The use of continuous insulation is mandated by the 2012 International Energy Conservation Code (IECC). The IECC provides a prescriptive path for roof/ceiling insulation that includes the use of continuous insulation.

| Zone            | IECC-2012 Prescriptive Ci R-value |                 |         |
|-----------------|-----------------------------------|-----------------|---------|
|                 | Residential                       | Commercial      |         |
|                 | Ceiling                           | Roof Above Deck |         |
|                 |                                   | All other       | Group R |
| 1               | R-30                              | R-20ci          | R-20ci  |
| 2               | R-38                              | R-20ci          | R-20ci  |
| 3               | R-49                              | R-20ci          | R-20ci  |
| 4 except Marine | R-49                              | R-25ci          | R-25ci  |
| 5 and 4 Marine  | R-49                              | R-25ci          | R-25ci  |
| 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. PowerFoam R-Control Nailbase 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 PowerFoam R-Control Nailbase.

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 PowerFoam R-Control Nailbase and mechanically fasten with Foam-Control Screws as specified.

4. Install continuous wood blocking at perimeters, ridges, hips, and openings as specified.

5. Install roof cladding materials per manufacturer's specifications and recommendations.

## Ready to take control? Start here.

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

**NEED INFORMATION OR A QUOTE**



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