


# Nailbase 3-Ci

**An easy to use 3-in-one bracing, insulation, and weather-resistive/air barrier board.**

ThermaFoam R-Control ThermaShield Nailbase 3-Ci is the ideal three-in-one continuous insulation (Ci) sheathing board. ThermaFoam R-Control ThermaShield Nailbase 3-Ci installs quickly over residential and commercial wood framing members using compatible pneumatic nail guns. Standard wall claddings such as wood, vinyl, stucco, cement boards, etc., can be installed over ThermaFoam R-Control ThermaShield Nailbase 3-Ci. ThermaFoam R-Control ThermaShield Nailbase 3-Ci consists of 7/16" exposure 1 rated Oriented Strand Board (OSB) to provide bracing, ThermaFoam R-Control ThermaShield, and film-facing to resist weather & air penetration

- Saves labor with one step installation
- Braces, insulates, and a weather-resistive/air barrier
- Saves energy - no thermal breaks
- Superior moisture resistance
- No R-value loss or thermal drift
- 4x8, 4x9, 4x10 standard boards available

## Strength/R-value.

 <b>Thickness</b>	<b>R-value<sup>1</sup></b>	
	<b>75°F<sup>2</sup></b>	<b>40°F<sup>3</sup></b>
<b>1 5/16</b>	4.0	4.2
<b>1 11/16</b>	5.4	5.7
<b>2 3/8</b>	8.1	8.6
<b>3 1/16</b>	10.7	11.5

<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.

ThermaFoam R-Control ThermaShield Nailbase 3-Ci is manufactured to Quality Control Program standards monitored by UL LLC and is recognized in UL ER40338-01 evaluation report.



ThermaFoam R-Control ThermaShield Nailbase 3-Ci complies with Building Code requirements for:

- ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation
- ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
- ASTM E2178, Standard Test Method for Air Permeance of Building Materials



## FOAM FACTS:

**ThermaFoam R-Control ThermaShield Nailbase 3-Ci outperforms other Nailbase products.**

- 3-Ci is bracing and insulation all in one
- Installs in one easy step
- Saves time and money
- No R-value loss or thermal drift
- ThermaFoam 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 wall thermal insulation that includes the use of continuous insulation.

Walls, above grade			
Zone	IECC-2012 Prescriptive Ci R-value		
	Residential	Commercial	
	Wood-Framed Wall	Wood-Framed	
		All other	Group R
1	None	R-3.8 <sup>1</sup>	R-3.8 <sup>1</sup>
2	None	R-3.8 <sup>1</sup>	R-3.8 <sup>1</sup>
3	R-5 <sup>1</sup>	R-3.8 <sup>1</sup>	R-3.8 <sup>1</sup>
4 except Marine	R-5 <sup>1</sup>	R-3.8 <sup>1</sup>	R-3.8 <sup>1</sup>
5 and 4 Marine	R-5 <sup>1</sup>	R-3.8 <sup>1</sup>	R-7.5 <sup>1</sup> R-3.8 <sup>2</sup>
6	R-10 <sup>1</sup> R-5 <sup>2</sup>	R-7.5 <sup>1</sup> R-3.8 <sup>2</sup>	R-7.5 <sup>1</sup> R-3.8 <sup>2</sup>
7	R-10 <sup>1</sup> R-5 <sup>2</sup>	R-7.5 <sup>1</sup> R-3.8 <sup>2</sup>	R-7.5 <sup>1</sup> R-3.8 <sup>2</sup>
8	R-10 <sup>1</sup> R-5 <sup>2</sup>	R-10 <sup>2</sup>	R-10 <sup>2</sup>

<sup>1</sup> For use with R-13 cavity insulation  
<sup>2</sup> For use with R-20 cavity insulation

## Installation.

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

1. ThermaFoam R-Control ThermaShield Nailbase 3-Ci must be installed perpendicular to structurally sound wood framing members.

2. Mechanically fasten the ThermaFoam R-Control ThermaShield Nailbase 3-Ci with the OSB held against the framing members using pneumatic nail guns designed to send nails through the insulation and seat firmly against the OSB.

Note: Fastener spacing should be in compliance with the International Building Code (IBC) or International Residential Code (IRC) for 7/16" OSB used as bracing over structural wood framing members.

3. Apply ThermaFoam R-Control Tape over fastener heads, board joints, and corners.

4. Install wall cladding materials per wall cladding manufacturer's specifications and recommendations for installation over continuous insulation.

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

## Termite Resistant.

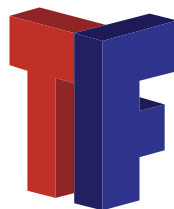
One of the most destructive forces anywhere is termites. ThermaFoam R-Control ThermaShield Nailbase 3-Ci can be manufactured with borate, a proven and safe additive, that effectively resists termites.

ThermaFoam R-Control ThermaShield Nailbase 3-Ci with borate meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

## Ready to take control? Start here.

If you're ready to have ThermaFoam R-Control ThermaShield Nailbase 3-Ci contribute to your next project, just contact your ThermaFoam R-Control, Inc. Technical Sales Representative. They will be happy to give you design consultation, information about ThermaFoam R-Control ThermaShield Nailbase 3-Ci products, pricing, and answers to all of your questions.

**NEED INFORMATION OR A QUOTE**



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