



## TECHNICAL DATA SHEET

# TUFF-N-DRI® BARRIER BOARD

Rigid Fiberglass Insulation Drainage Board

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### PRODUCT DESCRIPTION

Tuff-N-Dri® Barrier Board rigid fiberglass board is a drainage, protection and insulation board designed for use primarily with Tuff-N-Dri® Spray-Applied Waterproofing Membranes. Tuff-N-Dri Barrier Board's unique and proven glass fiber design promotes efficient water drainage and the retention of the board's R value. The semi-rigid nature of the board acts as a protection course for the Tuff-N-Dri waterproofing membrane.

Tuff-N-Dri Barrier Board is an excellent way to address below-grade energy efficiency needs. It fulfills requirements specified in ASHRAE 90.1 which call for below-grade walls to have "a rated R-value insulation not less than" what is specified for the climate zone.

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### BASIC USES

Tuff-N-Dri Barrier Board is installed in vertical applications, where Tuff-N-Dri has been applied to typical applications such as foundation walls. Barrier Board protects the waterproofing membrane, channels water to the drainage system and insulates foundation walls.

The exterior insulation of foundation walls can reduce interior condensation by increasing the outside temperature of the wall, helping move the dew point nearer to the outside of the wall. Tuff-N-Dri Barrier Board may help reduce the risk of freeze/thaw related damage on typical foundation walls.

Tuff-N-Dri Barrier Board allows for same day and efficient installation of the drainage, protection and insulation course when used with Tuff-N-Dri Spray Applied Waterproofing Membranes.

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### FEATURES & BENEFITS

- Tuff-N-Dri Barrier Board allows for installation into Tuff-N-Dri membranes while still tacky.
- Reduces air passage through the exterior walls providing a more comfortable and energy-efficient home.

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### COLOR

Pink

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### LIMITATIONS

- Not for use beneath sand-set vehicular pavers
- For vertical installations only
- Not to be used as an exposed or wearing surface. Limit UV exposure to a maximum of 14 days
- Store rigid fiberglass board flat and off ground
- Provide cover from sunlight, weather and excessive temperatures during storage

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### INSTALLATION

Apply Tuff-N-Dri Barrier Board to Tuff-N-Dri Waterproofing Membrane before it has cured. No mastics or adhesives are necessary to hold the board in place. The board may also be applied after the membrane has cured with a water based construction adhesive.

Begin by placing the Tuff-N-Dri Barrier Board at the footer or lowest installation point and progress up the wall. Successive boards should be placed by standing them on top of the previously installed board. Tuff-N-Dri Barrier Board can be cut to size with a utility knife.

Tuff-N-Dri Barrier Board should connect to a perimeter drainage system to facilitate the drainage of water carried by the board to the footer – reducing hydrostatic head resistance on the wall. This can be accomplished by ensuring that the gravel that is a part of the exterior drain tile system is placed at least one ft up the face of the Tuff-N-Dri Barrier Board from the footer. For depths greater than 12' (3.66 M) below grade, a minimum Tuff-N-Dri Barrier Board thickness of 1-3/16" (3 cm) is required.

For depths greater than 40' (12.2 M) below grade, contact your local Tremco Sales Representative or Tremco Technical Service.

## TYPICAL MEMBRANE PROPERTIES

PROPERTY	DESCRIPTION		
Flow Capacity per Unit Width	Roll, spray or brush		
Type	Pink unfaced rigid fiberglass board		
Density (pcf)	3.0		
<b>BOARD THICKNESS</b>	<b>TEST METHOD</b>	<b>1 3/16"</b>	<b>2 3/8"</b>
Thermal Resistance	ASTM C177	R-5	R-10
Drainage ability (Hydraulic Gradient of 1.0) Gallons/Hour/Lineal Feet	ASTM D4716	329	554
Thermal Conductivity @ 75° F	ASTM C518	0.235	0.237
Compressive Strength at 10% deformation (psf)	ASTM C165	134	189

\*Fiberglass boards comply with ASTM C612

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

**NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.**

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