
PRODUCT DESCRIPTION

Energy Board unfaced rigid fiberglass board is a drainage, protection and insulation board designed for use with Watchdog Waterproofing® Spray-Applied Waterproofing Membranes. Energy 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 Watchdog Waterproofing membrane.

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

BASIC USES

Energy Board is installed in vertical applications, where Watchdog Waterproofing has been applied to typical applications such as foundation walls. Energy 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. Energy Board may help reduce the risk of freeze/thaw related damage on typical foundation walls.

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

FEATURES & BENEFITS

- Energy Board allows for installation into Watchdog Waterproofing membranes while still tacky.
- Reduces air passage through the exterior walls providing a more comfortable and energy-efficient home.

COLOR

Yellow

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

INSTALLATION

Apply Energy Board to Watchdog 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 Energy 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. Energy Board can be cut to size with a utility knife.

Energy 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 Energy Board from the footer. For depths greater than 12' (3.66 M) below grade, a minimum Energy 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	Yellow unfaced rigid fiberglass board	
Density (pcf)	3.0	
BOARD THICKNESS	TEST METHOD	2 3/8"
Thermal Resistance	ASTM C177	R-10
Drainage ability (Hydraulic Gradient of 1.0) Gallons/Hour/Lineal Feet	ASTM D4716	554
Thermal Conductivity @ 75° F	ASTM C518	0.237
Compressive Strength at 10% deformation (psf)	ASTM C165	189

*Fiberglass boards comply with ASTM C612

Please refer to our website at 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.

EBDS/0124

Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit and Willseal brands; Nudura Inc.; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



tremcosealants.com | 800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com