



CELLOFOAM®
North America Inc.

POLY SHIELD®

Continuous Insulation Water Resistant Barrier



Cellofoam Poly Shield® is a heat-laminated insulation board that significantly reduces energy costs by adding R-value to your exterior walls. Designed for both commercial and residential interior wall applications, Poly Shield wraps the structure in permanent thermal protection, retarding heat flow and reducing air infiltration. Cellofoam Poly Shield continuous insulation is approved for Water Resistant Barrier (WRB) rated assemblies when all seams are taped, eliminating the cost, installation time, and need for a house wrap and vapor barrier. Poly Shield continuous insulation complies with the model building codes when properly installed as identified in Cellofoam's UL Evaluation Report ER7260.

Poly Shield is made of premium expanded polystyrene (EPS) rigid insulation that meets or exceeds the requirements of *ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. The EPS is composed of closed cells with excellent dimensional stability, compressive strength, and water resistance.

Cellofoam Poly Shield is faced with tough polymeric laminates on both sides for added strength and durability in storing, handling, and installation. Several different poly facer options are provided to meet project needs, including printed polypropylene and polyester, as well as metalized, reflective polypropylene.



ADVANTAGES

Cost Savings: EPS reduces energy costs and offers the highest R-value per dollar of any foam insulation board. Poly Shield is lightweight and easy to install. Eliminates the cost, installation time, and need for a house wrap.

Code Approvals: Underwriters Laboratory Listed, UL ER7260, for interior and exterior walls. Please consult local building codes for system requirements.

Stable R-value: The R-value of EPS is permanent because the only gas in EPS is air. Unlike Polyiso or XPS whose blowing agents outgas and therefore lose R-value, EPS R-values do not degrade over decades of use.

Moisture Resistant: Cellofoam EPS is quick drying and does not readily absorb moisture from the air. Its closed-cell structure reduces the absorption and migration of moisture, and the facers surfaces are nearly impervious to moisture.

Premium Quality: Meets or exceeds ASTM C578 specs, with excellent dimensional stability and compressive strength. When properly installed it does not deteriorate with age, and is resistant to mildew, rot, fungus, and bacteria.

Environmentally Friendly: Cellofoam EPS contains no formaldehyde or ozone-depleting CFCs or HCFCs. Its EPS core is 100% recyclable and may contain recycled material.

Manufactured to your Needs: Cellofoam Poly Shield is available in a wide variety of lengths and widths, in thicknesses of 1/2 to 6 inches, and ASTM C578 nominal densities of 1.0, 1.25, 1.5, 2.0, 2.5, and 3.0 lb/ft³.

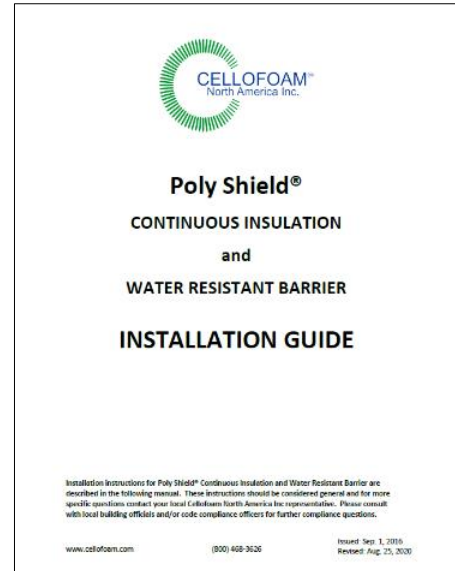


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INSTALLATION

Cellofoam Poly Shield® combined with an approved tape not only has code recognition as a Water Resistant Barrier but also as a Laminated Continuous Wall Insulation (LCWI) when installed over OSB sheathing or with the walls braced per code. Poly Shield combined with an appropriate tape may be used as an alternative to the WRB required by IBC Section 1404.2 and IRC Section 703.2 when installed appropriately.

- The Cellofoam Poly Shield boards must be installed directly to framing spaced a maximum of 24 inches on center, except where further limited by the requirements for a wall covering.
- When Cellofoam Poly Shield boards with joints along the long edge are installed vertically, the joints must occur over framing.
- Joints between boards, corners created with the board and fastener locations must be taped with a standard house wrap sheathing tape, minimum 2" width, adhesive backed, centered over the joint, corner and fastener.
- See Cellofoam's Continuous Insulation Water Resistant Barrier Installation Guide (available on our website Library at cellofoam.com/library) for more detailed installation information.



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Conyers, GA 30012

Orlando, FL
11237 Astronaut Blvd.
Orlando, FL 32837

Sallisaw, OK
1330 W. Redwood Ave
Sallisaw, OK 74955

Whiteland, IN
50 Crossroads Drive
Whiteland, IN 46184

Winchester, VA
326 McGhee Road
Winchester, VA 22603



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Warning: This product is combustible and if exposed to a fire of sufficient heat and intensity may burn rapidly. It should not be left exposed or inadequately protected. Protect Cellofoam expanded polystyrene from exposure to hydrocarbons, coal tar pitch, solvents, and solvent fumes. Consult specific instructions and applicable building codes for use of this product.

Cellofoam North America Inc. is an expanded polystyrene foam manufacturer and not an engineering consulting firm. Thus, it is beyond our scope to provide design services on the specific use for our products. Users of our EPS products such as Poly Shield should consult with appropriate engineering and code experts to determine the exact type and specifications of EPS required for their project. The sale of these products shall be subject to Terms and Conditions of Sale, including those limiting warranties as set forth in Cellofoam's invoices. No agent, employee, or representative of Cellofoam North America Inc. or its subsidiary or affiliated companies is authorized to modify this disclaimer.