

Basement Wall Installation Guide

Introduction

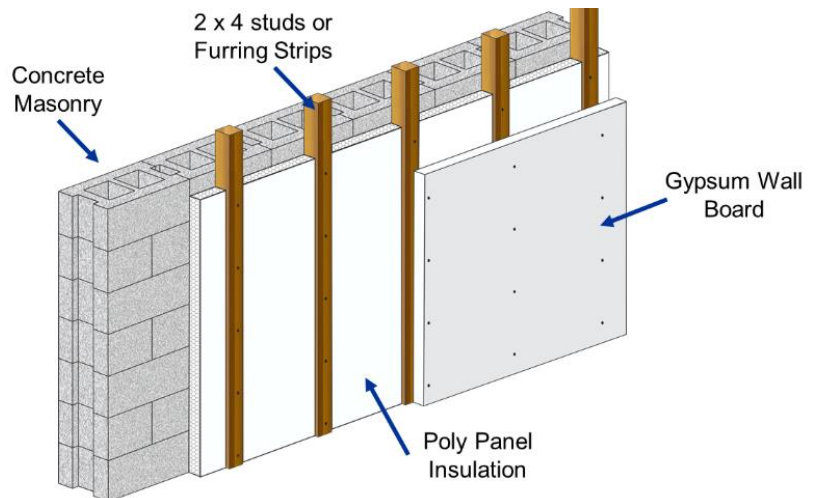
Cellofoam Poly Panel is an insulation board that may significantly reduce energy costs by adding R-value to your interior, unfinished, basement walls. Poly Panel was specifically designed for applying directly to basement wall concrete masonry between standard 2 x 4 studs on 16-inch centers or nominal 2-inch furring strips. Each package of Poly Panel contains 6 sheets of $\frac{3}{4}$ " x 14 $\frac{1}{2}$ " x 48" insulation. When installed between 2 x 4 studs or nominal 2-inch furring strips, one package will cover 32 square feet.

Cellofoam Poly Panel 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*.

Installation

Please consult local building codes for system requirements and modern basement moisture management building techniques. Most commonly, under International Building Code¹ (IBC), Poly Panel Insulation must be

separated from living areas by an approved thermal barrier of at least 0.5-inch gypsum wallboard or equivalent. For this case, Poly Panel is simply applied directly to basement wall concrete masonry between standard 2 x 4 studs on 16-inch centers or nominal 2-inch furring strips (see illustration) with either a friction fit or with an adhesive. A friction fit means just applying the boards loosely or very lightly compressed between the studs or furring strips; the wall board will serve to hold the foam in place. Several adhesives are readily available at home improvement retailers to attach the foam to the masonry, including Loctite® PL 300 VOC Foamboard Adhesive, DAP® DYNAGRIP® Foamboard Construction Adhesive, and Liquid Nails® Projects and Foamboard Adhesive.² Avoid using adhesives that contain solvent materials or other additives that will damage and/or dissolve the polystyrene insulation board. Poly Panel Insulation is Underwriters Laboratory Listed, UL ER7260.



www.cellofoam.com

800-468-3626

¹ See Chapter 26, Section 2603, of the Foam plastic Insulation of the 2018 IBC, <https://codes.iccsafe.org>.

² Loctite® is a registered trademark of Loctite Corporation, DAP® DYNAGRIP® are registered trademarks of DAP Brands Company, and Liquid Nails® is a registered trademark of PPG Industries.

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.