



# Installation Guide for Owens Corning FOAMULAR® Extruded Polystyrene (XPS) Rigid Foam Insulation

## Technical Bulletin

The intent of this document is to provide guidance on the installation of Owens Corning FOAMULAR® extruded polystyrene (XPS) insulating sheathing products in residential and light frame commercial construction. This document, the reference documents cited herein and any / all information found on product packaging, literature, presentations and videos collectively constitute the “manufacturer’s installation instructions” referenced in the ICC family of model codes – specifically the Intl. Energy Conservation Code (IECC), Intl. Residential Code (IRC) and Intl. Building code (IBC).

### I. General

Optimum performance of Owens Corning’s FOAMULAR® Insulation products is dependent on 1) selection of the correct product for the assembly or application into/on which it is to be placed and 2) following these installation instructions. General rules which apply to both selection and installation include:

- The framed assembly or masonry surface onto which the Insulation is to be applied must be flat. FOAMULAR® Insulation is a rigid product and not intended for uneven surfaces. Any deformation of the application surface can result in a weakening of the attachment points and / or cracking of the insulation.

- There should be no voids or gaps in the insulation itself, around any objects that penetrate the insulation or at the interface of the insulation and framing members.
- FOAMULAR® Insulation is not structural. Structural sheathing or bracing must be used when applying to wood or metal framing.

### II. Wood Frame Walls

- Apply FOAMULAR® Insulation to outside of braced framing or structural sheathing. Tongue and groove (T&G) edge panels install horizontally, square edge panels install vertically.
- Use cap-head (min. 1”) nails or screws spaced 12” o.c. for the perimeter and 16” o.c. in the field to attach the panels.
- Choose fasteners of sufficient length to penetrate framing members a minimum ¾” or through structural sheathing.
- Cover all framing with FOAMULAR® Insulation and fit joints tightly. Joints and openings may be sealed with Owens Corning JointSealR® Foam Joint Tape.

### III. Metal Frame Walls

- Apply FOAMULAR® Insulation directly to metal framing members. Tongue and groove edge panels install horizontally, square edge panels install vertically.

- Fasten panels to framing with cap-head (min. 1”) screws spaced 12” o.c. at the perimeter and 16” o.c. in the field.
- Cover all framing with FOAMULAR® Insulation and fit joints tightly. Joints and openings may be sealed with Owens Corning JointSealR® Foam Joint Tape.

### IV. Foundation Wall – Exterior

- Prior to backfilling, install FOAMULAR® Insulation to the exterior, from top of footing to the full height of the foundation wall.
- Adhere FOAMULAR® Insulation with long edges horizontal, edges tightly butted and vertical joints staggered. Joints and openings may be sealed with Owens Corning JointSealR® Foam Joint Tape.
- Secure FOAMULAR® Insulation with construction adhesive compatible with polystyrene or foamed plastics as noted by its manufacturer (follow adhesive manufacturers’ application instructions).
- Apply FOAMULAR® Insulation to wall within 15 minutes after adhesive is applied.
- Backfill carefully to avoid damage to FOAMULAR® Insulation.



# Installation Guide for Owens Corning FOAMULAR® Extruded Polystyrene (XPS) Rigid Foam Insulation Technical Bulletin

## V. Basement Wall – Interior

- For installation on a framed wall built on the interior of the basement (foundation) wall see instructions for “Wood Frame Walls” and “Metal Frame Walls” above.
- For installation on furring, see instructions for FOAMULAR® InsulPink®.

## VI. Under Concrete Slab

- Install FOAMULAR® Insulation after gravel fill has been built up to grade, thoroughly tamped and vapor retarder placed.
- Lay FOAMULAR® Insulation in place with edges pressed together and butting the foundation wall or adjacent vertical insulation.
- Pour concrete slab to cover all FOAMULAR® Insulation.

## Reference Documents

- UL Evaluation Report ER8811-01; ul.com
- Owens Corning FOAMULAR® InsulPink® Basement Wall Insulation System; Installation Instructions, publication no. 58103; <http://insulation.owenscorning.com/homeowners/renovation/products/insulpink/>

Please contact 419-248-6557 for additional information. Email: [gettech@owenscorning.com](mailto:gettech@owenscorning.com)

### Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.



**OWENS CORNING FOAM INSULATION, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659  
**1-800-GET-PINK®**  
[www.owenscorning.com](http://www.owenscorning.com)

Pub. No. 10018096-A. Printed in U.S.A. February 2015. THE PINK PANTHER™ & ©1964-2015 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. The color PINK is a registered trademark of Owens Corning. ©2015 Owens Corning. All Rights Reserved.

