

Installation Guidelines for Thermax™ Brand Insulation Used on Concrete Tilt-Up Walls

SYSTEM OVERVIEW



Description

Thermax™ Heavy Duty, Thermax™ Light Duty NH, and Thermax™ White Finish NH, when installed on the interior of tilt-up concrete walls, enhance the building's thermal performance and moisture management and help meet continuous insulation requirements mandated by energy efficiency codes and standards, such as IECC and ASHRAE 90.1.* These products can be installed exposed to the interior without a thermal barrier when installed in accordance with governing building codes.

Installed exposed to the interior, their facer provides a clean-looking surface that can be pressure-washed for easy maintenance. And the white color provides a light reflectance of 65 percent, reducing light energy costs and enhancing the interior working environment.

Special Considerations

Thermax™ Brand Insulation must be kept dry at all times. Protect it from moisture both in storage and during installation.

- **Thermax™ White Finish NH Insulation** can be pressure washed at 800 psi (3' distance) using a 15 degree spray tip, **Thermax™ Light Duty Insulation** can be pressure washed at 1000 psi (3' distance) using a 15 degree spray tip, and **Thermax™ Heavy Duty Insulation** can be pressure washed at 2000 psi (3' distance) using a 15 degree spray tip.
- Install **Thermax™ Brand Insulation** boards with the white facer side exposed.
- Minor scratches and/or nicks may occur during installation. Also, the edges of the foil facer may become slightly curled. This does not affect the product's overall performance.
- Use the following scan information to match **Thermax™ Brand Insulation** white facers for touch up paints L: 81 A: -1.5 B: -3.0 Delta E 2.0 Gloss @ 60° = 10 to 15. Although no primer is required, follow paint manufacturer recommendations for best results.

* International Energy Conservation Code (IECC) at www.energycodes.gov and American Society of Heating, Refrigerating and Air-Conditioning Engineers at www.ashrae.org

INSTALLATION

Materials Checklist

To install **Thermax™ Brand Insulation**, you will need:

- Utility knife or small handsaw (use caution and proper PPE)
- Straight edge
- Measuring tape
- Pencil
- Hammer, pneumatic fastener or screwdriver
- PVC Interlocking System (see Figure 1)
- Corrosion-resistant fasteners and poly washers (minimum 1-1/4" washers)
- Construction-grade sealant (ensure chemical compatibility)
- Safety glasses

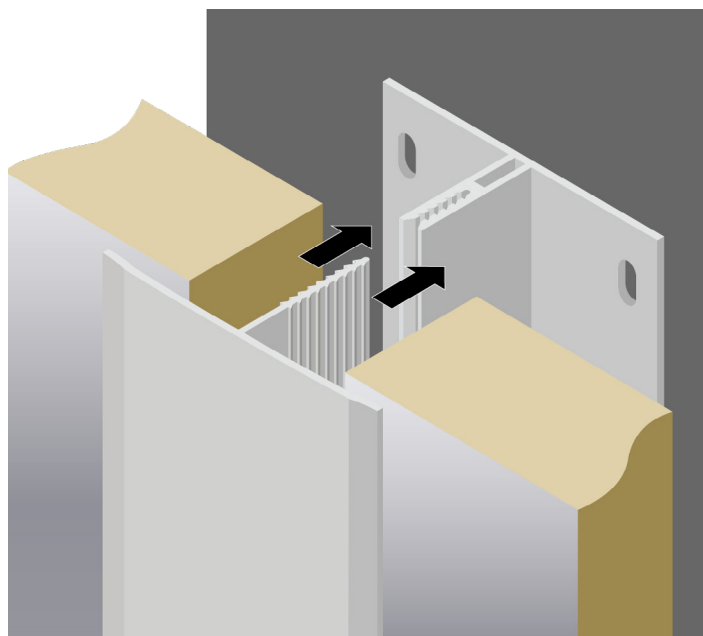


Figure 1.

Installing Thermax™ Brand Insulation on Tilt Up Interior Walls

1. Install **Thermax™ Brand Insulation** boards along the bottom perimeter of the interior walls by applying a 3/8" bead on the back side of boards at 5' horizontally.
2. Apply a 3/8" bead of polyurethane or butyl caulk to the top of each board and around each cut penetration (joist pockets, conduits, cutouts, etc.).
3. Install PVC interlocking system vertically with self-impaling nails/ fasteners and washers (Figure 1).
4. Fasten nails/fasteners and washers through front face of insulation board at 5' o.c. vertically.
5. Apply a 3/8" bead of sealant to the bottom flange of all J-Channel molding (Figure 2).

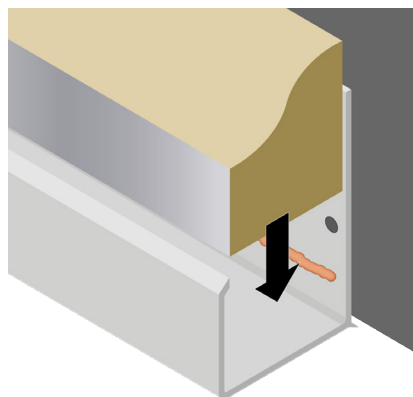


Figure 2.

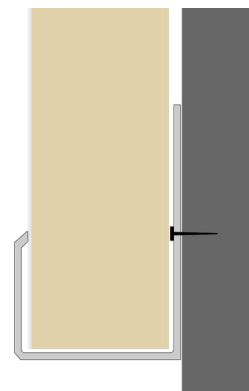


Figure 3.



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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information call the DuPont Contact Center at 1-833-338-7668 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

THERMAX products should be used only in strict accordance with product application instructions. THERMAX products, when used in a building containing combustible materials, may contribute to the spread of fire. For more information, consult MSDS and/or call DuPont at 1-833-338-7668.

WARNING: THERMAX insulation does not constitute a working walkable surface or qualify as a fall protection product.

Building and/or construction practices unrelated to insulation could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

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