



LEVELR™ EXTRUDED POLYSTYRENE FOAM INSULATION

LevelR™ Insulation is an extruded polystyrene (XPS) foam insulation board fanfolded for easy installation over existing exterior surfaces. It is used as a rigid foam underlayment for new siding materials. It also features a crimped hinge, allowing the cladding to lie flat.

LevelR™ Insulation wraps a home like a blanket. LevelR™ Insulation is 1/4" or 3/8" thick extruded polystyrene board and is produced in continuous 4' x 50' fanfolded sections with 24" crimped-seam spacing. The flexibility of LevelR™ Insulation aids corner-wrapping, providing sealing effectiveness and a smooth level surface for new siding.

LevelR™ Insulation meets ASTM C578, Type IV – Standard Specification for Rigid Cellular Polystyrene Thermal Insulation. LevelR™ Insulation meets IRC requirements for foam plastic insulation.



TABLE 1: FEATURES AND BENEFITS OF LEVELR™ EXTRUDED POLYSTYRENE FOAM INSULATION

Feature	Benefit
Crimped hinge	• Allows cladding to lie flat
Continuous fanfolded sections	• Covers wall studs and cavity, enhancing thermal efficiency and moisture management
Wraps easily around corners	• Improves sealing without breakage or reinforcement
Flat seams	• Simplifies installation over old siding

INSTALLATION

Before covering a wall with insulation and new siding, make sure the wall is sound. Do not install siding over walls that have deteriorated from moisture, insects or other causes.

1. Cover the exterior surface completely with LevelR™ Insulation. Butt the board edges tightly together. After measuring, score panels with a utility knife, then snap off the excess over the edge of the work surface.

2. Measure the combined thickness of the insulation and new siding. Use this measurement to determine the thickness of the door and window jamb extensions. Extend flashings. The sills may also need to be extended. Have a qualified electrician extend outlets, light fixtures, doorbell buttons and other electrical items.
3. Align the fanfolded boards along the bottom edge of the home or with the siding starter strip.
4. Nail boards directly over existing surface. Use nails recommended for cladding product. Make sure nails go through the insulation, the existing surface and into the framing. This nailing pattern serves as a guide when driving the cladding nails later on. Do not overdrive nails. This can crush the insulation and can also cause a wavy siding installation.

5. Tape all joints with WEATHERMATE™ Construction Tape (2-7/8" wide), or cover with WEATHERMATE™ or WEATHERMATE™ Plus Housewrap and tape seams.
6. Apply cladding and trim. Use nails recommended for cladding product. Be sure nails go through the insulation, existing surface and into the framing.
7. Follow the cladding manufacturer's installation instructions.

Materials Checklist

To install LevelR™ Insulation, you will need:

- Safety goggles
- Measuring tape
- Carpenter's folding ruler
- Level
- Utility knife
- Chalk line
- Hammer or power nailer
- Portable power saw
- Handsaw
- Nails (foam, cladding, jamb)
- Carpenter's metal square
- Cladding
- J-channel and trim
- Jamb and sill extenders
- WEATHERMATE™ Construction Tape (2-7/8" wide), or WEATHERMATE™ or WEATHERMATE™ Plus Housewraps

TABLE 2: TYPICAL PHYSICAL PROPERTIES OF LEVELR™ EXTRUDED POLYSTYRENE FOAM INSULATION

Property and Test Method	Value
Thermal Resistance @ 1/4"-3/8", ASTM C518 @ 75°F mean temp., ft ² •h•°F/Btu, R-value ⁽¹⁾ , min.	R-1
Density, ASTM D1622	
Fresh, foam core only, min.	1.9
Fresh, foam core, max.	2.9
Flame Spread ⁽²⁾ , ASTM E84	10
Smoke Developed, ASTM E84	200

(1) R means resistance to heat flow. The higher the R-value, the greater the insulating power.

(2) This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

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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, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400.

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

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



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