



FALCON FOAM

A DIVISION OF ATLAS ROOFING CORPORATION

Insulation Leveling Board

ThermalStar® Fanfold and Wall Sheathing Expanded Polystyrene (EPS) Insulation For Level Siding Foundation



ThermalStar

- Provides level surface for siding applications
- Creates thermal envelope for maximum heat/cooling efficiency
- Fanfold cut hinges assure flat, level surface without trimming
- Facings available include plain, poly and foil
- Lightweight, easy to handle
- Moisture resistant for lifelong performance
- Recyclable, contains no CFC's or HCFC's

ThermalStar® Offers Higher Insulating Value In a Minimal Space, While Providing a Smooth, Level Surface for Siding Application.

Choose Plain, Poly or Foil Facing

Plain (Unfaced) ThermalStar Sheathing is the most economical foam insulation available. Builders, however, show a definite preference for the poly film faced on both sides. The film facer provides a rugged and durable insulation board that stands up better to jobsite handling and abuse.

The foiled facings offer a reflective surface. When used in conjunction with a 3/4" airspace, it can provide 2.77 R additional thermal value. Foilized facing can be provided on one or both sides of the product.



ThermalStar Fanfold

ThermalStar Fanfold has the same advantages as our ThermalStar Sheathing . . . limited thermal warranty and optional poly film facers. Plus, ThermalStar Fanfold hinges are cut, not crimped, giving the installer a level foundation which is key for a good siding job. ThermalStar Fanfold is a breathable insulation. The perforated poly film facers permit the EPS core to breath, allowing moisture to escape and avoid moisture accumulation within the structure's walls.

Product Installation

Use code accepted shear or corner bracing, such as 1" x 4" tie-in or steel strapping. Insulating sheathing should be placed with the longest edge in a vertical position with edges on stud centers. Stud wall spacing of 16" o.c. does not require horizontal support; however, 24" o.c. stud spacing should have a horizontal 2" x 4" at mid-height to support the sheathing. Nailing should be done with 3/8" diameter head galvanized roofing nails long enough to penetrate the wood stud at least 3/4". Sixteen gauge wire staples having a crown minimum of 3/4" wide and legs long enough to penetrate the framing at least 1/2" may also be used. Staple crowns should be parallel with the longest edge of the sheathing. Do not allow the nail head or staple crown to penetrate the sheathing surface. Fasteners should be placed no closer than 3/8" to the perimeter edges of sheathing, spaced 12" o.c. around the perimeters (including top plate and sole plate) and spaced 12" o.c. in the field of the board. When nailing siding materials over sheathing, care should be taken to avoid crushing the sheathing.

Special Notice

When building in areas of high humidity, and where building codes require it, a code-approved vapor retarder should be used. Typical vapor retarders used include kraft-faced foil insulation or poly sheathing of a specific thickness. Review your local building codes and model energy codes to determine the requirements in your area.

While sheathings are weather resistant, they are not designed for long term exterior exposure. Atlas recommends that they be covered with the permanent siding within 60 days of installation.

R-Values for ThermalStar

	Thickness	R-Value
R-Value at 75°F	1/4"	1.00
When used with a 3/4" airspace add 2.77 R	3/8"	1.35
	1/2"	1.80

Product Availability

	Facing	Size
ThermalStar Fanfold	Poly/Poly Poly/Foil Foil/Foil	1/4", 3/8" and 1/2" thickness 4' x 50', cut hinges, folded every 2'
ThermalStar Sheathing	Plain	1/4" x 48" x 96"
	Poly/Poly	3/8" x 48" x 96"
	Poly/Foil	1/2" x 48" x 96"
	Foil/Foil	1/2" x 48" x 96"

Caution: Combustible. Falcon Foam Insulation will ignite if exposed to fire of sufficient heat and intensity.
Notice: We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods.

Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Trademark: ThermalStar is a registered trademark of Atlas Roofing Corporation.



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8240 Byron Center Rd. SW
Byron Center, MI 49315
1.800.917.9138

911 Industrial Drive
P.O. Box 348
Perryville, MO 63775
1.800.888.2332

2028 Bill Tuck Highway
South Boston, VA 24592
1.800.836.2995

7700 Irvine Ctr. Dr., Suite 800
Irvine, CA 92618-2923
866-811-9517
Fax 619-241-8310