Technical Data Sheet

Fan-Fold EPS Recover Board

IB Roof Systems®

Product Description:

Fan-Fold EPS Recover Boards are made of a high-performance rigid insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS) with advanced polymeric laminate facers. Fan Fold EPS recover boards have excellent dimensional stability, compressive strength, and water-resistant properties.

Size/Packaging:

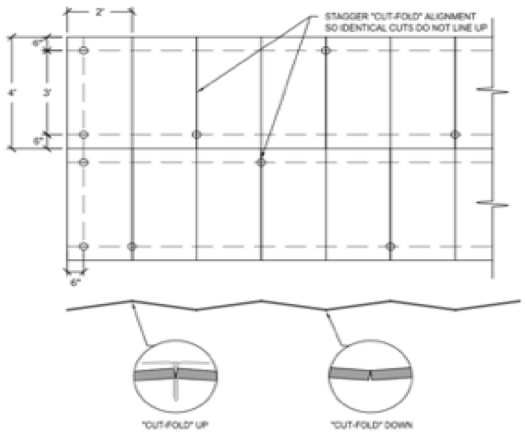
- Available in 4' x 50' bundles covering 200 square feet (2 sq.)
- 1/2" nominal thickness
- Fan-Fold EPS Recover Board is shrink-wrapped for easy job site delivery

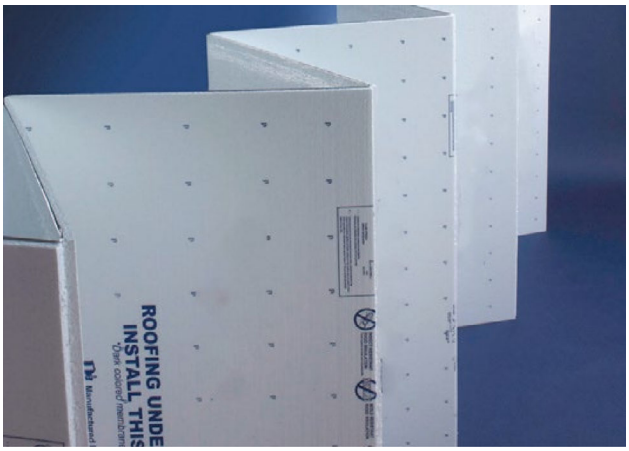
Features:

- Reduces installation labor
- Retains thermal properties
- Lightweight
- High resistance to moisture, mildew, rot, fungus, and bacteria
- Polymeric laminate facers permit PVC to be used without a slip sheet
- Contributes toward LEED® certification credits
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached roof assemblies

Application:

Install Fan-Fold EPS Recover Board over approved substrates with continuous side joints, and end joints staggered so they are offset by a minimum of 12" from the end joints in adjacent rows. If Recover Board is being installed over an existing layer of insulation, all joints must be offset a minimum of 6" between layers. Recover board should abut tightly against adjacent boards. Joints greater than ½" should be filled with the same insulation that is being used in the field of the roof. Use an approved mechanical fastener of sufficient length to penetrate in or through the deck by the amount prescribed for the specific fastener. Fasteners should never be closer than 6" from the edges of the board and should be placed in a pattern to achieve the desired approval. Use appropriate insulation plates with the fasteners. Care must be taken to avoid over-driving or under-driving the fastener and plate assembly.





Approvals:

- The Fan-Fold EPS Recover Boards meets or exceeds the requirements of ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
- UL Standard 790 (ASTM E108) Roofing Systems Classification for various recover applications.

Fan-Fold EPS does not contain any ozone-depleting blowing agents, may contain recycled material and the foam core is 100% recyclable.

Fan Fold EPS recover boards are supplied under the labels of R-Tech FF Fanfold Insulation by Insulfoam, PolyShield Fan-Fold by Cellofoam, or ThermalStar by Atlas.

Thickness	[1]Avg. LTTR	Weight lb/sf	Recycled Content		
			Post	Pre	Total
0.5"	2.5	.50	-	7.4%	7.4%

[1]LTTR (long term thermal resistance) values were determined in accordance with CAN/ULC-S770-09. Test samples were third-party selected and tested by an accredited material testing laboratory.

Typical Physical Properties*		
Property	**Test Method**	**Result**
Product Density	ASTM C303	Type II 1.5 pcf
Thermal Resistance @25°F @40°F @75°F	ASTM C518 or C177	 4.76 4.55 4.17
Compressive Strength	ASTM D1621	15-21 psi
Flexural Strength (psi)	ASTM D203	35-50 psi
Dimensional Stability	ASTM D2126	< 2.0%
Water Absorption	ASTM C272	< 3.0%
Water Vapor Transmission	ASTM E96	1.0 – 3.5%
Capillarity	n/a	None
Flame Spread	ASTM E84 (10 min.)	[1] < 20
Smoke Development	ASTM E84 (10 min.)	[1]150-300

[1]Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤ 75 and smoke development ≤ 450 meet code requirements for foam plastic roof insulation. Codes exempt foam plastic insulation when used in FM 4450 or UL 1256.
* Physical properties shown are based on data provided by resin manufacturers, independent test agencies and insulation manufacturers.