

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.

Features:

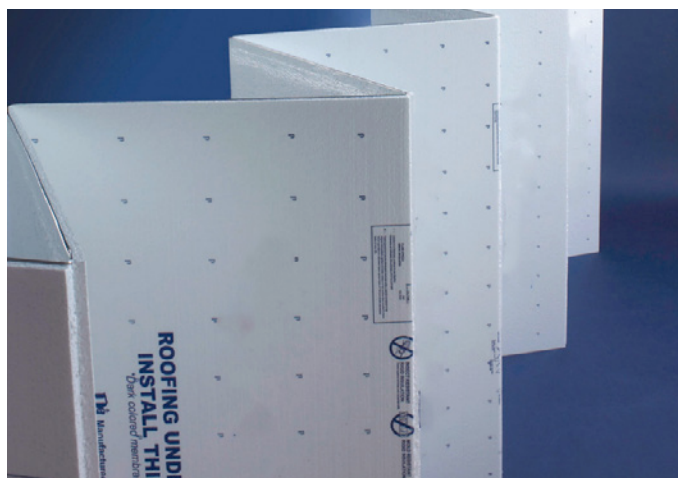
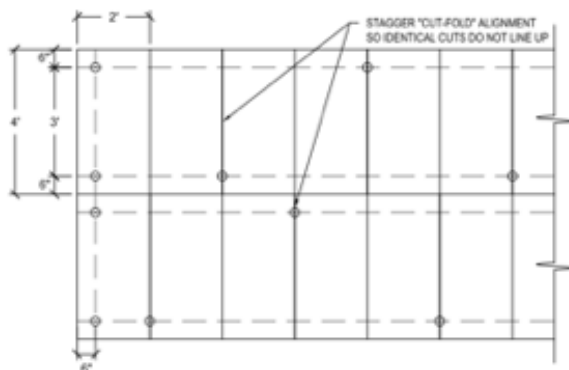
- Reduces installation labor
- Retains thermal properties
- Lightweight
- High resistance to moisture, mildew, rot, fungus, and bacteria
- Polymeric laminate facers permit PVC to be used without a slip sheet
- Contributes toward LEED® certification credits

Size/Packaging:

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

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 1/2" 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 into 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 EPS code of 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 recover boards are supplied under the labels of R-Tech FF Fanfold Insulation by Insulfoam, PolyShield Fan-Fold by Cellofoam, or StarRFanFold by StarRFoam.

Typical Physical Properties*

Physical Properties	Standard test Method	Results
Nominal Density	ASTM C303	Type II 1.5 pcf
Thermal Resistance @25F @40F @75F	ASTM C518 or C177	4.76 4.55 4.17
Compressive Strength (psi, 10% deformation)	ASTM D1621	15-21 psi
Flexural Strength (psi)	ASTM D203	35-50 psi
Dimensional Stability (max %)	ASTM D2126	<2%
Water Vapor Transmission (perms)	ASTM E96	1.0 - 3.5%
Water Absorption (% vol)	ASTM C272	<3.0
Capillarity	n/a	None
Flame Spread	ASTM E84	< 20
Smoke Developed	ASTM E84	150-300

*Properties are based on data provided by resin manufacturers, independent test agencies and insulation manufacturers.