Polar Fold®
Roofing ReCover Board

LEADING THE INDUSTRY IN EPS MANUFACTURING

ACH FOAM TECHNOLOGIES
Polar Fold® is a high performance Roofing ReCover Board consisting of light weight, energy efficient, expanded polystyrene (EPS) laminated between strong film facers. Polar Fold® Roofing ReCover Board is the preferred solution for re-roofing applications among architects and contractors and is compatible with single ply, ballasted, and mechanically attached roof systems.

Polar Fold® offers energy efficiency, water resistance and durability. Polar Fold® is easy to handle and install, saving time and labor. The innovative fan fold design ensures Polar Fold™ lays flat during installation and provides a level surface for roof membranes.

Polar-R® is also available for roof applications and comes in 4’ x 8’ sheets in 1/2” to 4” thicknesses and is manufactured with the same quality materials as Polar Fold®.

**Installation Instructions**

1. The substrate should be flat, dry and free of any foreign materials that would damage the Polar Fold® insulation board. The beginning of installation indicates that the contractor has accepted the condition of the existing substrate.

2. Some membrane manufacturers will require a higher concentration of fasteners. Consult membrane manufacturer for installation instructions.

3. One fastener is placed at each corner of the leading and trailing edges of Polar Fold®. One fastener is placed every 12 square feet on alternating sides of the sheet thereafter. (See Illustration).

4. When used with dark colored membranes, Polar Fold® is available with reflective film facers and should be installed with the reflective side up.

**Physical Properties**

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<th>Property</th>
<th>3/8”</th>
<th>1/2”</th>
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<td>Type I</td>
<td>Type III</td>
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- **R-Value** 40° mean temp
  - 1.56  1.71  1.78
- **Compressive Strength** psi
  - 10.0  15.0  25.0
- **Water Absorption** volume %
  - <1.0  <1.0  <1.0

Caution: EPS contains a flame retardant; however, it should be considered combustible and not exposed to sources of ignition.

*See manufacturers recommendations or tech data brochure for more information.

**Cost Effective Precision Performance**

Polar Fold® is less expensive than other re-cover products and provides more R-Value for less money. High performance EPS insulation also has a consistent long-term R-Value that does not experience thermal drift. EPS has a 35 year history of proven performance in the roofing industry.

**Environmentally Friendly**

Polar Fold® improves the thermal performance of recover applications. Contains no ozone depleting agents, is made with recycled materials and is used as a component in LEED certified projects. Polar Fold® is available with a 50-year R-value warranty.