

EPS Flute Fill Insulation

Product Description:

EPS Flute Fill Insulation Boards are custom made panels consisting of a high-performance superior closed-cell, lightweight and resilient expanded polystyrene (EPS). EPS boards have stable R-value, excellent dimensional stability, compressive strength, and water-resistant properties.

Size/Packaging:

- All panels are custom profile lengths, widths, and thicknesses to meet the job condition

Features:

- Does not contain any ozone-depleting blowing agents.
- Reduces installation labor
- Stable R-value. Retains thermal properties over its entire service life.
- Lightweight
- High resistance to moisture, mildew, rot, fungus, and bacteria
- Can be recycled if ever removed or replaced
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached, fully adhered, and ballasted roof assemblies

Application:

EPS Flute Fill Insulation Boards are specifically intended for use over standing seam metal roof systems or to be installed to fit in the bottom of existing metal roof panel flutes. Refer to IB Specifications and Construction Details for additional installation instructions.

Multi-Layer Installation:

For best results, an approved cover board is usually installed over the EPS Flute Fill for improved insulation thermal performance and a reduction of thermal bridging with two or more layers with all joints offset. Avoid continuous vertical joints on all multi-layer applications by staggering and offsetting the joints of each layer from those of preceding layers.

Approvals:

- 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.

EPS Rigid Insulation Boards are supplied under the labels of Atlas molded, Insulfoam, Cellofoam, or Thermafoam depending on location.



Square-Cut in Vertical Leg



Taper-Cut with InsulRoof SP



Square-Cut



Profile-Cut