



Description

InsulFoam IX is a high-performance insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam IX meets or exceeds the requirements of ASTM C578, Type IX, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. InsulFoam IX has a nominal density of 2.0 lb/ft³. In addition, InsulFoam IX offers a long-term stable R-Value and has excellent dimensional stability, compressive strength and water resistance properties.

Uses

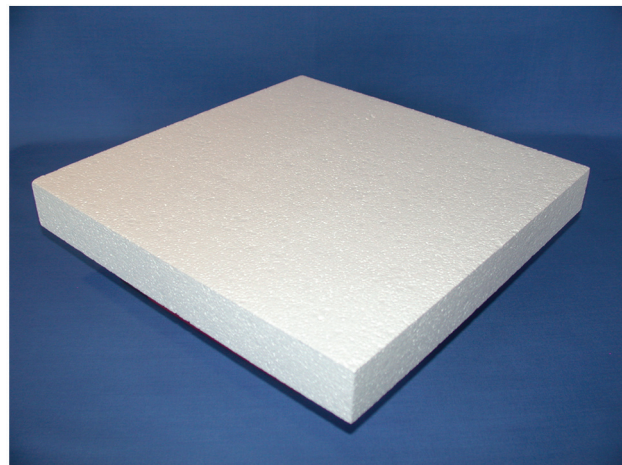
InsulFoam IX is a high-performance EPS product and is used in numerous building construction applications.

Roofing: InsulFoam IX is well suited for single ply roof applications employing ballasted, mechanically fastened TPO, PVC, EPDM and CSPE with a slip sheet as well as low-sloped built-up, modified bitumen and fully adhered single ply roofs incorporating a cover board. Please consult local building codes and membrane manufacturers for system requirements.

Other Construction Applications: InsulFoam IX is used in assorted building applications including pre-stressed and pre-cast structural concrete panels, metal roof flute-fill, siding backer board, building sheathing, roads and bridge fill, below slab and perimeter insulation and numerous other OEM applications.

Advantages

- **Environmentally Friendly.** It contains no formaldehyde or ozone-depleting CFC's or HCFC's, may contain recycled material and is 100% recyclable if ever removed or replaced.
- **Stable R-Value.** Designers are well served knowing the product's thermal properties will remain stable over the entire service-life. There is no thermal "drift" so the product is eligible for an Insulfoam 20-year thermal performance warranty.
- **Proven Performance.** The same fundamental EPS chemistry has been in use since the mid-1950s so the actual performance of the product is well known.
- **Water Resistant.** InsulFoam IX does not readily absorb moisture from the environment.
- **Code Approvals.** InsulFoam IX is recognized by the International Code Council Evaluation Service (ICC-ES) and has numerous Underwriters Laboratory and Factory Mutual Approvals. Please contact your local Insulfoam representative for details.



Sizes

InsulFoam IX is typically available in 4' x 4' and 4' x 8' sizes with thickness from 1/4" to 40" and readily available in custom lengths and widths with little or no impact on lead time. It can also be provided in tapered panels.

Typical Tested Physical Properties*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	2.00
C-Value (Conductance) - per inch BTU/(hr·ft ² ·°F) @ 25 °F @ 40 °F @ 75 °F	ASTM C518 or ASTM C177	0.20 0.21 0.23
R-Value (Resistance) - per inch (hr·ft ² ·°F)/BTU @ 25 °F @ 40 °F @ 75 °F	ASTM C518 or ASTM C177	5.00 4.76 4.35
Compressive Strength (psi, 10% consolidation)	ASTM D161	25-33
Flexural Strength (psi)	ASTM C203	55-75
Dimensional Stability (maximum %)	ASTM D2126	< 2.0
Water Vapor Transmission (perm. in)	ASTM E96	1.0-3.5
Absorption (% vol.)	ASTM C272	< 2.0
Capillarity	—	none
Flame Spread	—	< 20
Smoke Developed		150-300

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