

Description

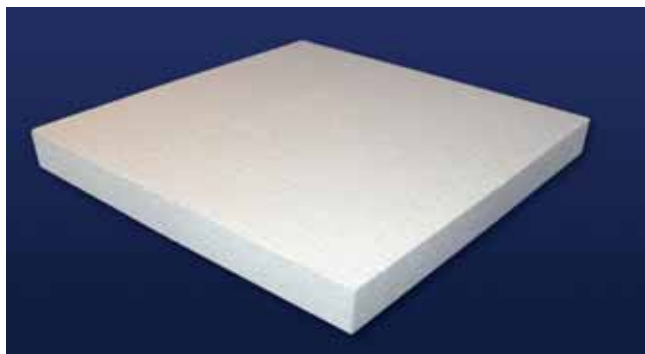
InsulFoam XI is versatile insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam XI meets or exceeds the requirements of ASTM C578, Type XI, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulFoam XI has a nominal density of 0.70 lb/ft³. In addition, InsulFoam XI offers a long-term, stable R-Value and has excellent dimensional stability, compressive strength and water resistance properties.

Uses

InsulFoam XI is a quality EPS product and is used in numerous construction applications, as well as packaging.

Advantages

- **Environmentally Friendly.** InsulFoam XI contains no formaldehyde or ozone-depleting CFCs or HCFCs, contains recycle 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 its 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 established.
- **Water Resistance.** InsulFoam XI does not readily absorb moisture from the environment.
- **Code Approvals.** InsulFoam XI is a UL Classified product and listed in UL Evaluation Report ER14313-01. Please contact your local Insulfoam representative for details.



Sizes

Insulfoam XI is typically available in 4' x 4' and 4' x 8' sizes with thickness from 1/4" to 40", and is readily available in custom lengths and width with little to no impact on lead time. It is also available in tapered panels.

Typical Tested Physical Properties*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	0.70
C-Value (Conductance) - per inch BTU/(hr•ft ² •°F)	ASTM C518 or ASTM C177	0.230 0.240 0.260
R-Value (Resistance) - per inch (hr•ft ² •°F)/BTU	ASTM C518 or ASTM C177	4.35 4.17 3.85
Compressive Strength (psi, 10% deformation)	ASTM D1621	10
Flame Spread	ASTM E84	< 20
Smoke Developed	ASTM E84	150-300

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