

## TYPE I • 10 PSI HIGH PERFORMANCE INSULATION

### Description

InsulFoam I is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam I meets or exceeds the requirements of ASTM C578, Type I, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulFoam I has a nominal density of 1.0 lb/ft<sup>3</sup>. In addition, InsulFoam I offers a long-term, stable R-Value and has excellent dimensional stability, compressive strength and water resistance properties. Insulfoam Insulation can contribute toward environmental credentialing including LEED® credits.

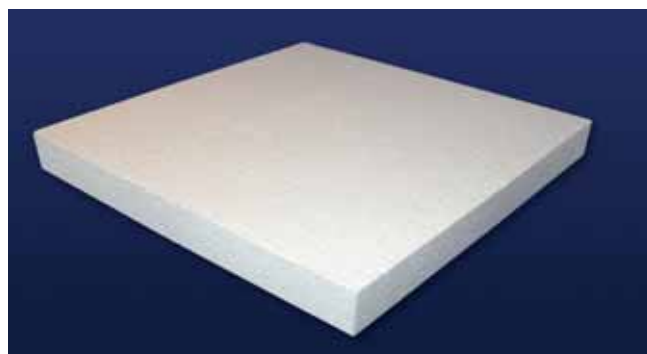
### Uses

InsulFoam I Insulation is successfully used in numerous commercial, industrial and residential applications. The following are examples of the many applications:

- Interior & Exterior Wall Insulation
- EIFS & Stucco Insulation
- Single-Ply Roof Insulation
- Roof Recover Board
- Continuous Below-Grade Insulation
- Foundation, Perimeter, Slab & Basement Insulation
- Retaining Walls
- Drainage Board
- Waterproofing Protection Board
- Freezers & Cold Storage

### Advantages

- **Environmentally Friendly.** It does not contain any blowing agents, may contain recycled material, and is 100% recyclable if ever removed or replaced.
- **Stable R-Value.** 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.** EPS has been manufactured using the same chemistry since the mid-1950s, providing proven performance.
- **Water Resistance.** InsulFoam I does not readily absorb moisture from the environment.
- **Code Approvals.** Insulfoam insulations are recognized by the International Code Council Evaluation Service (ICC-ES), and have numerous Underwriters Laboratory and Factory Mutual Approvals. Please contact your local Insulfoam representative for details.



### Sizes

InsulFoam I is available in 4' x 4' and 4' x 8' standard sizes with thicknesses from 1/4" to 40", and is readily available in custom lengths and widths 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	1.00
C-Value (Conductance) - per inch BTU/(hr•ft <sup>2</sup> •°F)	ASTM C518 or ASTM C177	0.230 0.240 0.260
R-Value (Resistance) - per inch (hr•ft <sup>2</sup> •°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.