

Description

InsulFoam VIII is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam VIII meets or exceeds the requirements of ASTM C578, Type VIII, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulFoam VIII has a nominal density of 1.25 lb/ft³. In addition, InsulFoam VIII 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.

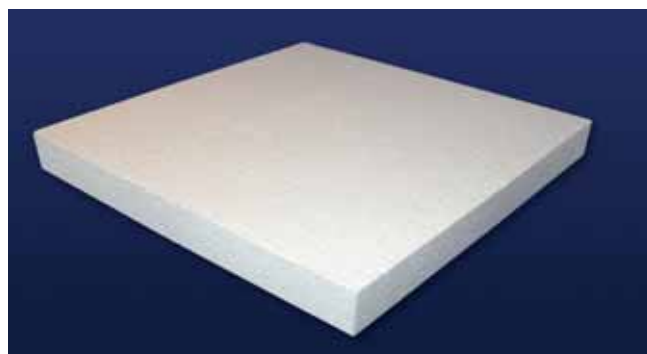
Uses

InsulFoam VIII 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 VIII 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 VIII 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 | 1.25 |
| C-Value (Conductance) - per inch BTU/(hr•ft ² •°F) | ASTM C518 or ASTM C177 | 0.220 0.235 0.255 |
| R-Value (Resistance) - per inch (hr•ft ² •°F)/BTU | ASTM C518 or ASTM C177 | 4.55 4.25 3.92 |
| Compressive Strength (psi, 10% deformation) | ASTM D1621 | 15 |
| 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.