

# INSULFOAM II

## WALL INSULATION SYSTEMS

### TYPE II FIRE RATED RIGID INSULATION

#### Description

InsulFoam II is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam II meets or exceeds the requirements of ASTM C578, Type II, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. InsulFoam I has a nominal density of 1.0 lb/ft<sup>3</sup>, offers a long-term, stable R-value, has excellent dimensional stability, compressive strength and water resistance properties.

#### Uses

Insulfoam Wall Insulation is successfully used in numerous commercial, industrial and residential applications, including:

- Sheathing
- Interior Walls
- Tongue & Groove Insulation
- Continuous Insulation
- Stucco Systems
- Cavity Walls
- Siding Underlayment
- Exterior Insulating Finish Systems (EIFS)
- Basement Walls
- Retaining Walls
- Attics & Crawl Spaces
- Gable-Ends
- Architectural Shapes

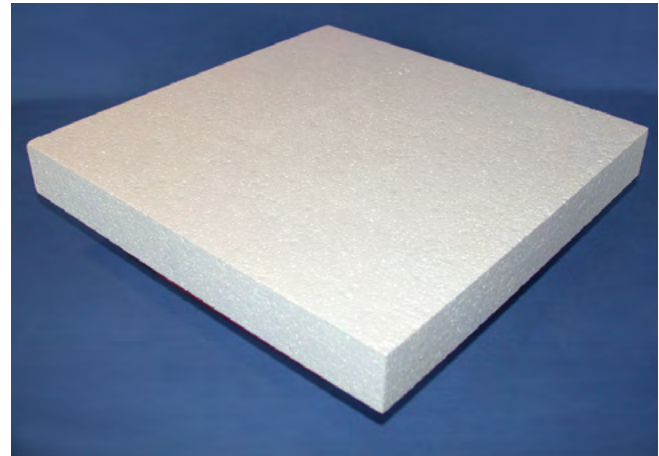
#### Advantages

- **Environmentally Friendly.** Insulfoam Wall Insulation does not contain any ozone-depleting blowing agents, may contain recycled material and is 100% recyclable if ever removed or replaced.
- **Stable R-value.** The product has no thermal drift, so its thermal properties will remain stable over the entire service life making it 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 Wall Insulation 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. They also offer Please contact your local Insulfoam representative for details.
- **Cost Savings.** Insulfoam Wall Insulation offers the highest R-Value per dollar over other rigid insulations, and is available in custom lengths and widths to help with installation labor savings.
- **Insect and Mold Resistance.** Insulfoam Below Grade Insulation can be manufactured with an inert additive that deters termites.

#### Sizes

InsulFoam II is available in 4' x 4' and 4' x 8' standard sizes with thicknesses from ¼" 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.

### THE PROVEN STANDARD FOR WALLS.



#### InsulFoam II Fire-Rated insulation Typical Tested Physical Properties\*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	1.50
C-Value (Conductance) - per inch BTU/(hr•ft <sup>2</sup> •°F)	ASTM C518 or ASTM C177	0.210 0.220 0.240
R-value (Resistance) - per inch (hr•ft <sup>2</sup> •°F)/BTU	ASTM C518 or ASTM C177	4.76 4.55 4.17
Compressive Strength (psi, 10% deformation)	ASTM D1621	15-21
Flexural Strength (min. psi)	ASTM C203	35
Dimensional Stability (maximum %)	ASTM D2126	2.0
Water Vapor Permeance (max. perm., 1 inch)	ASTM E96	3.5
Water Absorption (max. % vol.)	ASTM C272	3.0
Capillarity	-	none
Flame Spread	ASTM E84	< 20

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