

# INSULWALL IX

## FIRE-RATED INSULATION

### Description

InsulWall IX (InsulFoam IX) is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulWall IX meets or exceeds the requirements of ASTM C578, Type IX, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. InsulWall IX has a nominal density of 2.0 lb/ft<sup>3</sup>. In addition, InsulWall IX offers a long-term, stable R-value and has excellent dimensional stability, compressive strength and water resistance properties.

### Uses

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

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

### Advantages

- **Environmentally Friendly.** InsulWall IX 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'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.** EPS has been manufactured using the same chemistry since the mid-1950s providing proven performance.
- **Water Resistance.** InsulWall IX 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

InsulWall IX is typically available in 4' x 4' and 4' x 8' standard sizes with thickness 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.

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## Typical Tested Physical Properties\*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	2.00
C-Value (Conductance) - per inch BTU/(hr•ft <sup>2</sup> •°F)	ASTM C518 or ASTM C177	0.200 0.210 0.230
R-value (Resistance) - per inch (hr•ft <sup>2</sup> •°F)/BTU	ASTM C518 or ASTM C177	5.00 4.76 4.35
Compressive Strength (psi, 10% deformation)	ASTM D1621	25-33
Flexural Strength (min. psi)	ASTM C203	50
Dimensional Stability (maximum %)	ASTM D2126	2.0
Water Vapor Permeance (max. perm., 1 inch)	ASTM E96	2.0
Water Absorption (max. % vol.)	ASTM C272	2.0
Capillarity	–	none
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.