INSULWALL VIII

FIRE-RATED INSULATION

Description

InsulWall VIII (InsulFoam VIII) is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulWall VIII meets or exceeds the requirements of ASTM C578, Type VIII, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.* InsulWall VIII has a nominal density of 1.25 lb/ft^3. In addition, InsulWall VIII 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
- Continuos Insulation
- Stucco Systems
- Cavity Walls
- Basement Walls
- Retaining Walls
- Attics & Crawl Spaces
- Gable-Ends
- Architectural Shapes and finishes
- Exterior Insulating Finish Systems (EIFS)
- Siding Underlayment

Advantages

- Environmentally Friendly. InsulWall VIII 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 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

InsulWall VIII 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.

INSULFOAM
A CARLISLE COMPANY

INSULWALL VIII
FIRE-RATED INSULATION

Typical Tested Physical Properties*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	1.25
C-Value (Conductance) - per inch BTU/(hr•ft2•°F) @ 25 °F @ 40 °F @ 75 °F	ASTM C518 or ASTM C177	 0.220 0.235 0.255
R-value (Resistance) - per inch (hr•ft2•°F)/BTU @ 25 °F @ 40 °F @ 75 °F	ASTM C518 or ASTM C177	 4.55 4.25 3.92
Compressive Strength (psi, 10% deformation)	ASTM D1621	13-18
Flexural Strength (min. psi)	ASTM C203	30
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
Smoke Developed	ASTM E84	150-300

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