

Description

InsulFoam IX+ is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam IX+ is an enhanced Type IX polystyrene product that meets or exceeds the requirements of ASTM C578, Type IX, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulFoam IX+ has a nominal density of 2.0 lb/ft³. In addition, InsulFoam IX+ offers a long-term, stable R-value and has excellent dimensional stability, compressive strength and water resistance properties. Insulfoam Below Grade Insulation can contribute toward environmental credentialing including LEED[®] credits.

Uses

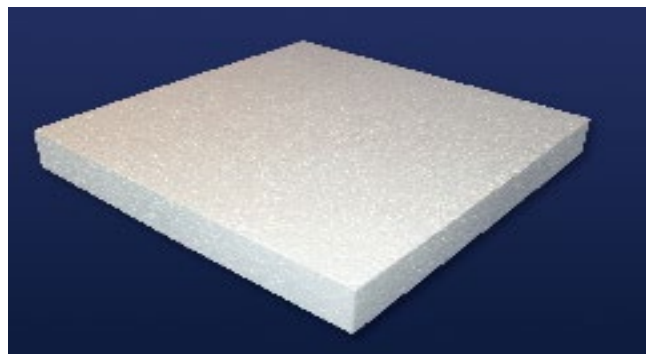
InsulFoam IX+ is successfully used in numerous commercial, industrial and residential applications. It is designed to insulate the foundation wall or slab and protect the waterproofing or damp proofing, especially during backfilling.

Typical Construction Applications: InsulFoam IX+ is used in assorted building applications, including pre-stressed and pre-cast structural concrete panels, siding backer board, building sheathing, roads and bridge fill, below-slab and perimeter insulation, architectural shapes, docks and piers, void fill, foundations, retaining walls and numerous other geofoam applications.

Advantages

- **Environmentally Friendly.** Insulfoam Below Grade Insulation does not contain any ozone-depleting blowing agents, may contain recycled material and is 100% recyclable.
- **Moisture Resistance.** Insulfoam Below Grade Insulation does not readily absorb moisture from the environment.
- **Stable R-Value & Long Term Warranty.** The product's thermal properties will remain stable over its entire service life, and Insulfoam warrants this product with a 20-year Thermal Performance Warranty.
- **Proven Performance.** EPS has been manufactured using the same chemistry since the mid-1950s.
- **Cost Effective.** Insulfoam Below Grade is typically less expensive than comparable insulation products.
- **Code Approvals.** Insulfoam insulations are recognized by the International Code Council Evaluation Service (ICC-ES), for numerous applications. Please contact your local Insulfoam representative for details.

TIME TESTED PROTECTION.



Sizes

InsulGrade IX+ 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.

Installation Recommendations

Please refer to the appropriate Insulfoam Below Grade installation guidelines for recommended installation procedures, available at www.insulfoam.com or by asking your local Representative.

Typical Tested Physical Properties*

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	2.00
C-Value (Conductance) - per inch BTU/(hr•ft ² •°F)	ASTM C518	0.200
	or	
	ASTM C177	0.210
R-Value (Resistance) - per inch (hr•ft ² •°F)/BTU	ASTM C177	0.230
	ASTM C518	5.00
	or	
Compressive Strength (psi, 10% deformation)	ASTM C177	4.76
	ASTM C177	4.35
	ASTM D1621	30
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.