INSULFOAM®

EG EXTERIOR GRADE INSULATION

FIRE RATED EXTERIOR GRADE INSULATION

Description

InsulFoam EG (Exterior Grade) insulation is a versatile product consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam EG meets or exceeds the requirements of ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Insulation. InsulFoam EG can be manufactured in a wide range of block and panel sizes, and in a wide assortment of shapes and densities. InsulFoam EG insulation offers a long-term, stable R-Value, has excellent dimensional stability, compressive strength and water resistant properties. Additionally EG is easily textured, dimensionally stable, and resistant to physical and environmental abuse. EG is the preferred exterior insulation used with exterior wall systems.

Uses

Insulfoam Exterior Grade Insulation is successfully used in numerous commercial, industrial and residential applications for Exterior Insulation Finishing Systems (EIFS)

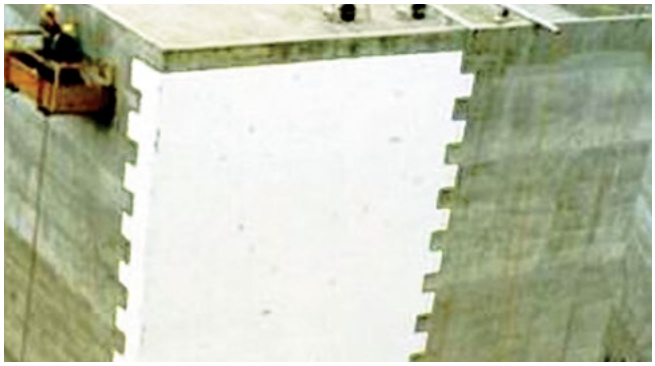
Sizes

IEG is offered in an assortment of sizes and shapes and is readily available in custom lengths, widths and densities with little to no impact on lead time.

Advantages

- Environmentally Friendly. Insulfoam Exterior Grade Insualtion does not contain any ozone-depleting blowing agents, may contain recycled material and is 100% recyclable.
- Stable R-value. With no thermal drift, IEG's thermal properties will remain stable over the entire service life. InsulFoam IEG's thermal stability makes 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, and offers exceptional wall system moisture management.
- Code Approvals. Insulfoam insulations are recognized by the International Code Council Evaluation Service (ICC-ES), and have numerous Underwriters Laboratory and Factory Mutual Approvals.
- Cost Savings. IEG insulation is typically less expensive than other rigid insulations, offers the highest R-Value per dollar over other rigid insulation
- Insect and Mold Resistance. Insulfoam Insulation is naturally decay resistant and can be manufactured with an inert additive that deters termites.

THE PROVEN **STANDARD** FOR WALLS.



InsulFoam EG Insulation Physical Properties*

Classification	Type I
Density, min, lb/ft³ (kg/m³)	.90 (15)
Thermal resistance of 1.00 in (25.4 mm) thickness, min F•ft²h/Btu (K•m²/W) @ 40ºF (4.4ºC) @ 75ºF (23.9ºC)	 4.17 (0.73) 3.85 (0.67)
Compressive resistance at 10% deformation or yield, whichever occurs first, min, psi (kPa)	10.0 (69)
Tensile strength, min, psi (kPA) (ASTM D1623)	15.0 (103)
Flexural strength, min psi (kPa)	25.0 (173)
Shear modulus, max, psi (kPa) (ASTM C273)	400 (2758)
Water Vapor permeance of 1.00 in (25.4 mm) thickness, max, perm (ng/Pa•s•m)	5.0 (287)
Water absorption by total immersion, max, volume %	4.0
Dimensional stability (change in dimensional), max, %	2.0
Oxygen index, min, volume %	24.0
Flame spread, max (ASTM E84)	25
Smoke developed, max (ASTM E84)	450
Requirements	
Board Thickness, Class PB and PM Maximum Minimum	 4" (102 mm) ¾" (19 mm)
Board width, max Class PB Class PM	 24" (610 mm) 24" (610 mm)
Board width, max Class PB Class PM	 48" (1219 mm) 96" (2438 mm)

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

INSULATION ENGINEERED TO MAKE A DIFFERENCE.