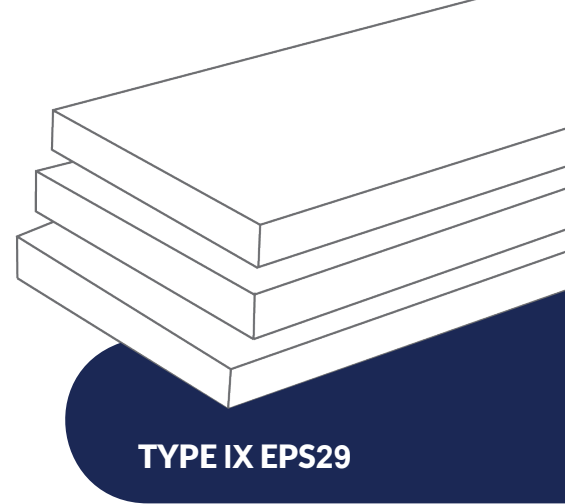


Geofoam

Geofoam is a high-performance rigid board insulation product made from premium closed-cell, lightweight, mold, mildew and insect resistant expanded polystyrene (EPS). Geofoam provides superior compressive strength, R-value, and dimensional stability for a wide range of project applications. Geofoam meets or exceeds the highest standards under ASTM C578 and D6817 for expanded polystyrene, and is recognized by the ICC-ES.



TYPE IX EPS29

Advantages of Geofoam

- ◆ Long-term, Stable R-value: Geofoam has no thermal drift and its physical properties remain stable over its entire service life
- ◆ Mold, Mildew, and Insect Resistant: An inert EPA approved insect repelling additive is added during the manufacturing process to deter termites. Geofoam does not support mold or mildew growth
- ◆ Water Resistant, Closed Cell Foam: Geofoam will not readily absorb moisture from the environment
- ◆ Code Approvals: Geofoam is recognized by the International Code Council Evaluation Service (ICC-ES) and is manufactured from UL and FM approved raw materials
- ◆ Environmentally Friendly: Contains no CFC, HCFC, HFC or Formaldehyde and is 100% recyclable
- ◆ Independent Third Party Tested and Certified: Quarterly Testing Program
- ◆ Proven Performance Record: EPS products have been manufactured since the mid-1950's using the same fundamental chemistry Qualifies for LEED Credits

| Geofoam - EPS Physical Properties | | | |
|---|--|---------------------------------|--------------------|
| Design Values | | Type IX | ASTM# |
| DENSITY, MIN (Description/classification name) | lb/ft ³ (kg/m ³) | 1.8 (29.0) | C303 |
| R-VALUE (per inch) Thermal Resistance | @ 25 deg. F @ 40 deg. F @ 75 deg. F | 4.8 4.6 4.2 | C518 or C177 |
| COMPRESSIVE RESISTANCE @ 10% Deformation | Minimum psi | 25.0-ASTMC578 29.0-ASTMD6817 | D1621 |
| FLEXURAL STRENGTH | Minimum psi | 50.0 | C203 |
| WATER VAPOR PERMEABILITY | Maximum Permeability (per inch) | 2.5 | E96 |
| WATER ABSORPTION (by total immersion) | % by Volume, maximum | 2.0% | C272 |
| DIMENSIONAL STABILITY | % Change, maximum | 2.0% | D2126 |
| OXYGEN INDEX | Volume % | 24% | D2863 |
| FLAME SPREAD | - | <20 | E84 |
| SMOKE DEVELOPED | - | 150-300 | E84 |

*Other physical properties apply. See ASTM C578 and ASTM D6817.

Typical Applications for Geofoam

Geofoam is commonly used within a variety of industrial, commercial and residential projects. These uses range from: structural void fill (geofoam), plaza deck & foundation insulation, roofing insulation, sheathing boards, EIFS insulation and drainage boards, protection packaging, to custom cut shapes & many more common applications. Geofoam is a versatile product that can meet most any specification for structural fill or insulation purposes.

Advantages of Geofoam

- ◆ Geofoam is lightweight and easy to cut custom shapes and sizes from for any application.
- ◆ Geofoam is available in 2' x 8', 3' x 8', and 4' x 8' sheets, with thicknesses ranging from 1/4" to 48" thick.
- ◆ Geofoam also can be cut in custom lengths and widths with minimal impact on lead-times. Tapered panels are also available.

