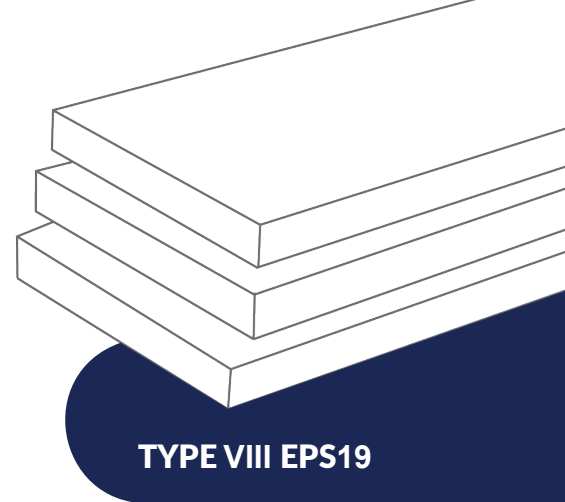


## Geofoam

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 VIII EPS19**

## 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 VIII         | ASTM#              |
| DENSITY, MIN<br>(Description/classification name) | lb/ft <sup>3</sup><br>(kg/m <sup>3</sup> ) | 1.15<br>(18.4)    | C303               |
| R-VALUE (per inch)<br>Thermal Resistance          | @ 25 deg. F<br>@ 40 deg. F<br>@ 75 deg. F  | 4.4<br>4.2<br>3.8 | C518<br>or<br>C177 |
| COMPRESSIVE RESISTANCE<br>@ 10% Deformation       | Minimum psi                                | 16                | D1621              |
| FLEXURAL STRENGTH                                 | Minimum psi                                | 30.0              | C203               |
| WATER VAPOR<br>PERMEABILITY                       | Maximum Permeability<br>(per inch)         | 3.5               | E96                |
| WATER ABSORPTION<br>(by total immersion)          | % by Volume, maximum                       | 3.0%              | C272               |
| DIMENSIONAL STABILITY                             | % Change, maximum                          | 2.0%              | D2126              |
| OXYGEN INDEX                                      | Volume %                                   | 24.0%             | 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.

