



# GEOFOAM\* – Instructions

ICA

For more information please refer to:

**ASTM D7180 “Standard Guide for use of Expanded Polystyrene (EPS) Geofoam in Geotechnical projects”.**

## PREPARATION:

Condition of substrate, grade and any other site conditions should be checked and verified prior to installation of ICA Geofoam.

## PROTECTION & STORAGE:

ICA Geofoam should be stored above ground and temporarily ballasted to prevent displacement by wind or high water. ICA Geofoam should also be protected from prolonged exposure to sunlight, which may cause yellowing of the foam and minor dusting, neither of which affects performance. ICA Geofoam should not be exposed to open flame or petroleum fluids. Care should be exercised to protect ICA Geofoam from damage during handling and installation. Heavy equipment should not be operated directly on top of the surface of the ICA Geofoam.

## INSTALLATION:

Installation of ICA Geofoam should be customized to the conditions of each jobsite. Basic instructions include, but are not limited to the following: ICA Geofoam blocks should be staggered to avoid continuous joints. Layers should be offset 90 degrees to one another.

*\*See reverse side for specifications.*

eps...

Extraordinary Product Solutions

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**GEOFOAM**  
Soil Substitute

ICA



## Product Specifications

Type		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Property	ASTM Test	Values						
<b>Density</b> lb/ft <sup>3</sup>	D1622	.70 min.	.90 min.	1.15 min.	1.35 min.	1.80 min.	2.40 min.	2.85 min.
<b>Compressive Resistance</b>								
Min. psi at 1%	D1621	2.2	3.6	5.8	7.3	10.9	15.0	18.6
Min. psi at 5%	D1621	5.1	8.0	13.1	16.7	24.7	35.0	43.5
Min. psi at 10%	D1621	5.8	10.2	16.0	19.6	29.0	40.0	50.0
<b>Flexural Strength</b>								
Min. psi	C203	10	25	30	35	50	60	75
<b>Oxygen Index</b>								
Min. Volume %	D2863	24	24	24	24	24	24	24
<b>Water Absorption</b> (by total immersion) Max. % by volume	C272	4.0	4.0	3.0	3.0	2.0	2.0	2.0

► ICA-GEOFOAM meets or exceeds the requirements of **ASTM D6817**, *Standard Specification for Rigid Cellular Polystyrene Geofoam*.



\* ICA is a proud member of the **EPS Industry Alliance** and is also certified as a women's business enterprise by the **Women's Business Enterprise National Council (WBENC)**, the nation's largest third-party certifier of the businesses owned and operated by women in the U.S. We recognize the commitment to supplier diversity that is embraced by corporations and government agencies today and can add diversity to your supply chain.

\*\* The **LEED®** green building certification program is the nationally accepted benchmark for the design, construction, and operation of green buildings. ICA is a manufacturer of products that contribute to LEED Points. 'LEED®' and related logo is a trademark owned by the **U.S. Green Building Council®** and is used with permission.

\*\*\* ICA offers a one hour, one credit Lunch & Learn presentation on expanded polystyrene (EPS) and its uses via the **American Institute of Architects/Continuing Education System**. Contact us for further information.

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