

## FOAM CONTROL<sup>®</sup> EPS GEOFOAM

Foam-Control EPS Geofoam is a cellular plastic material that is strong, but has very low density (1% of traditional earth materials.) It is manufactured in block form and meets ASTM D6817, "Standard Specification for Rigid, Cellular Polystyrene Geofoam."

### Ready to Use.

Foam-Control EPS Geofoam maximizes onsite installation efficiency: material arrives ready to place, no weather delays.

### Quality Assurance.

Foam-Control EPS Geofoam meets or exceeds the requirements of ASTM D6817, "Standard Specification for Rigid, Cellular Polystyrene Geofoam." Foam-Control EPS is monitored for Quality Control and Listed by Underwriters Laboratories Inc.



### Size and Shape.

Foam-Control EPS Geofoam is produced in block form and is easily positioned at the work site. Standards sizes:

- 4' (1.2 m) widths
- 8' (2.4 m) up to 16' (4.8 m) lengths
- 1" (25 mm) to 36" (914 mm) thickness


Other sizes and fabrication can be provided by the manufacturer.

### Design.

For most applications, long-term design loads should not exceed the linear elastic range of Foam-Control EPS Geofoam. Combined live and dead load stresses should not exceed the compressive resistance at 1% strain.

### Additional Information.

Please consult the Foam-Control EPS Geofoam TechData which provides additional information, design considerations, and technical information on the full range of EPS Geofoam materials available. Please also refer to ASTM D6817, ASTM D7180, and ASTM D7557.

Foam-Control EPS Geofoam with  **Perform Guard<sup>®</sup>** TERMITE RESISTANT is available to provide protection against termites.

Foam-Control EPS Geofoam Properties		
Density, min. ASTM C303	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.90 (14.4)
Compressive Resistance @ 1% deformation, min. ASTM D1621	psi psf (kPa)	3.6 520 (25)
Elastic Modulus, min. ASTM D1621	psi (kPa)	360 (2500)
Flexural Strength, min. ASTM C203, Procedure B	psi (kPa)	25.0 (172)
Buoyancy Force	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	61.5 (980)
Water Absorption by total immersion, max., volume % ASTM C272		4.0
R-value Thermal Resistance per 1.0 in. thickness ASTM C518	25°F	°F.ft <sup>2</sup> .h/Btu (°K.m <sup>2</sup> /W) 4.4 (0.77)
	40°F	°F.ft <sup>2</sup> .h/Btu (°K.m <sup>2</sup> /W) 4.2 (0.73)
	75°F	°F.ft <sup>2</sup> .h/Btu (°K.m <sup>2</sup> /W) 3.9 (0.68)
Flame Spread Index <sup>1</sup> Smoke Developed Index <sup>1</sup> ASTM E84/UL723		20 150-300
Oxygen Index, min., volume % ASTM D2863		24
Additional Properties for Compressible Applications		
Compressive Resistance @ 5% deformation, min. ASTM D1621	psi psf (kPa)	8.0 1150 (55)
Compressive Resistance @ 10% deformation, min. ASTM D1621	psi psf (kPa)	10.2 1470 (70)

<sup>1</sup> Please refer to UL certificate for complete information.