

FOAM CONTROL EPS

Foam-Control® EPS (expanded polystyrene) is a cost-effective, durable, and energy efficient solution for all types of insulation applications. Typical applications for Type XI Foam-Control EPS include concrete void filler, flotation, and protective packaging.

Proven to meet, or exceed standards.

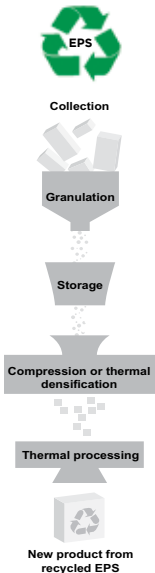
Foam-Control EPS is manufactured to an industry leading Quality Control Program standards monitored by Underwriters Laboratories Inc. Foam-Control EPS meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Advantages.

- Saves Energy
- No long-term R-value loss or thermal drift
- Superior moisture resistance
- Retains R-value even with moisture exposure
- Retains R-value after freeze-thaw cycling

Foam-Control EPS always comes in green.



Foam-Control EPS helps make your insulation projects environmentally friendly.

- Lower energy consumption reduces carbon dioxide emissions
- Is inert and stable
- Has never contained CFC, HCFC or HFC, all of which are harmful to the earth's ozone layer

Recycling.

Foam-Control EPS is 100% recyclable. It can be ground into granules and reincorporated into new Foam-Control EPS products. Or it can be thermally processed into a resin that's used to manufacture other new products.

Foam-Control EPS Properties		
Nominal Density ASTM C303	lb/ft ³ (kg/m ³)	0.75 (12)
Density, min. ASTM C303	lb/ft ³ (kg/m ³)	0.70 (12)
R-value ¹ Thermal Resistance per 1.0 in. thickness ASTM C518	25°F	°F.ft ² .h/Btu (°K.m ² /W) 3.6 (0.63)
	40°F	°F.ft ² .h/Btu (°K.m ² /W) 3.4 (0.60)
	75°F	°F.ft ² .h/Btu (°K.m ² /W) 3.2 (0.57)
k-value ¹ Thermal Conductivity ASTM C518	25°F	Btu.in/°F.ft ² .h (W/°K.m) 0.28 (0.040)
	40°F	Btu.in/°F.ft ² .h (W/°K.m) 0.29 (0.042)
	75°F	Btu.in/°F.ft ² .h (W/°K.m) 0.31 (0.045)
Compressive Strength @ 10% deformation, min. ASTM D1621	psi (kPa)	5 (35)
Flexural Strength, min. ASTM C203, Procedure B	psi (kPa)	10 (69)
Water Vapor Permeance of 1.0 in. thickness, max., perm ASTM E96		5.0
Water Absorption by total immersion, max., volume % ASTM C272		4.0
Dimensional Stability, max., volume % 7 days @ 70°C ASTM D2126		2.0
Oxygen Index, min., volume % ASTM D2863		24
Flame Spread Index ² Smoke Developed Index ² ASTM E84/UL723		20 150-300
Maximum recommended long term exposure temperature		165°F (74°C)

¹Please refer to ASTM C578 for minimum R-values.

²Please refer to UL certificate for complete information.