

## 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 I Foam-Control EPS include commercial roofing, exterior sheathing, building perimeters, under concrete slabs, garage doors, coolers and freezers, industrial piping and tanks, and protective packaging.

### Proven to meet, or exceed, building codes.

Foam-Control EPS is manufactured to Quality Control Program standards monitored by Underwriters Laboratories Inc. and recognized by national building codes. 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.

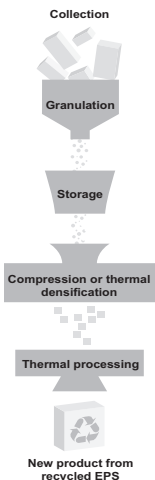


Foam-Control EPS helps make your insulation projects environmentally friendly.

- 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 <sup>3</sup> (kg/m <sup>3</sup> )	1.00 (16)
Density, min. ASTM C303	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.90 (15)
R-value <sup>1</sup> 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)
k-value <sup>1</sup> Thermal Conductivity ASTM C518	25°F	Btu.in/°F.ft <sup>2</sup> .h (W/°K.m) 0.23 (0.033)
	40°F	Btu.in/°F.ft <sup>2</sup> .h (W/°K.m) 0.24 (0.035)
	75°F	Btu.in/°F.ft <sup>2</sup> .h (W/°K.m) 0.26 (0.037)
Compressive Strength @ 10% deformation, min. ASTM D1621	psi (kPa)	10 (69)
Flexural Strength, min. ASTM C203, Procedure B	psi (kPa)	25 (173)
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 <sup>2</sup> Smoke Developed Index <sup>2</sup> ASTM E84/UL723		20 150-300
Maximum recommended long term exposure temperature		165°F (74°C)

<sup>1</sup>Please refer to ASTM C578 for minimum R-values.

<sup>2</sup>Please refer to UL certificate for complete information.