TYPE VIII TechData

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 VIII 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.

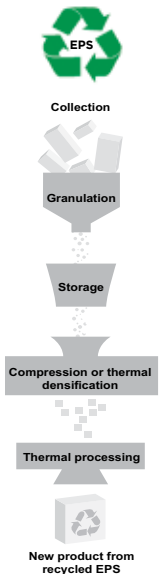
Proven to meet, or exceed, building codes.

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/ft³ (kg/m³)	1.25 (20)
Density, min. ASTM C303		lb/ft³ (kg/m³)	1.15 (18)
R-value[1] Thermal Resistance per 1.0 in. thickness ASTM C518	25°F	°F.ft².h/Btu (°K.m²/W)	4.6 (0.80)
	40°F	°F.ft².h/Btu (°K.m²/W)	4.3 (0.75)
	75°F	°F.ft².h/Btu (°K.m²/W)	3.9 (0.69)
k-value[1] Thermal Conductivity ASTM C518	25°F	Btu.in/°F.ft².h (W/°K.m)	0.22 (0.032)
	40°F	Btu.in/°F.ft².h (W/°K.m)	0.24 (0.034)
	75°F	Btu.in/°F.ft².h (W/°K.m)	0.26 (0.037)
Compressive Strength @ 10% deformation, min. ASTM D1621		psi (kPa)	13 (90)
Flexural Strength, min. ASTM C203, Procedure B		psi (kPa)	30 (208)
Water Vapor Permeance of 1.0 in. thickness, max., perm ASTM E96			3.5
Water Absorption by total immersion, max., volume % ASTM C272			3.0
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)

[1] Please refer to ASTM C578 for minimum R-values.
[2] Please refer to UL certificate for complete information.