CELLOFOAM®
Building Insulation Products

Void Fill

EPS for Filling Gaps or Voids in Concrete Structures

WHY VOID FILL?

- Ability to handle the weight of wet concrete
- Precision cuts to fit nearly any concrete core shape per customer drawings
- Inexpensive option for Void Fill projects
- Stable R-value for Permanent Void Fill
- Moisture and mold resistant due to EPS closed-cell structure
- EPS contains no formaldehyde or ozone-depleting CFCs or HCFCs

Sizes

- Density (pcf): 1.0V, 1.25V, 1.5V, 2.0V, 2.5V, 3.0V, 1.0RC, 1.25RC
- Non-spec densities*
- Width: Varies (48" Max.)
- Length: Varies (288" Max.)*
- Thickness: Varies (52" Max.)*

*Temporary Void Fill only - 1.0E, 1.25E, HR
*Reach out to your Cellofoam® sales representative for certain size availability

APPLICATIONS

- **Permanent Void Fill is typically used as a permanent core in concrete structures**
- **Temporary Void Fill is typically used to create an inexpensive, detailed mold to form shapes in concrete structures**

PREMIUM QUALITY · MADE IN USA ·

CLASSIFIED UL

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CODE APPROVALS

- Meets or exceeds **ASTM C578**
- Underwriters Laboratory Listed**, UL ER7260-01**

EXPANDED POLYSTYRENE TYPICAL PHYSICAL PROPERTIES

Cellofoam® EPS Typical 1 Physical Properties		Units	ASTM Test	ASTM C578 Type			
				Type I	Type VIII	Type II	Type IX
Density (Nominal)		lb/f³	C303 or D1622	1.0	1.25	1.5	2.0
Density (Minimum)		lb/f³		0.90	1.15	1.35	1.80
Thermal Resistance							
R-Value²	**at 25 °F**	(°F ft² hr) / Btu per inch	C177 or C518	4.35	4.54	4.76	5.00
	at 40 °F			4.17	4.25	4.55	4.76
	at 75 °F			3.85	3.92	4.17	4.35
Compressive Strength at 10% deformation		psi	D1621	10 - 14	13 - 18	15 - 21	25 - 33
Flexural Strength		psi	C203	25 - 30	30 - 38	40 - 50	50 - 75
Water Vapor Permeance 1.0 in. thickness		perm.	E96	2.0 - 3.0	1.5 - 2.8	0.9 - 2.5	0.6 - 1.5
Water Absorption by total immersion		volume %	C272 or C1763	< 1.5	< 1.5	< 1.5	< 1.5
Capillarity		--	--	none	none	none	none
Dimensional Stability maximum		change %	D2126	< 0.5	< 0.5	< 0.5	< 0.5
Coefficient of Thermal Expansion		in/(in °F)	D696	0.000035	0.000035	0.000035	0.000035
Fungus & Bacterial Resistance		-	C1338	Will not support bacterial or fungus growth; no food value			

1 Typical physical properties are based on data provided by resin manufacturer, independent test agencies, and Cellofoam North America Inc. All data is for plain, unlaminated EPS foam.
2 R means resistance to heat flow. The higher the R value, the greater the insulating power.

*Please consult local building codes and membrane manufacturers for system requirements.

Warning: This product is combustible and if exposed to a fire of sufficient heat and intensity may burn rapidly. It should not be left exposed or inadequately protected. Protect Cellofoam® expanded polystyrene from exposure to hydrocarbons, coal tar pitch, solvents, and solvent fumes. Consult specific instructions and applicable building codes for use of this product.