



EIFS Insulation Board & Architectural Shapes

Premium EPS Insulation Board for Exterior Insulating and Finishing Systems (EIFS)

Cellofoam EIFS Insulation Board is a lightweight, closed cell, rigid foam insulation specifically manufactured from expanded polystyrene (EPS) to EIFS system requirements. Cellofoam EIFS Insulation Board meets or exceeds *ASTM E2430, Standard Specification for Expanded Polystyrene Thermal Insulation Boards for Use in Exterior Insulation and Finish Systems* as well as the requirements of Type I EPS in *ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. Cellofoam supplies insulation to the top EIFS systems in the United States, such as DryVit, STO, Parex, and BASF, and in several cases manufactures to specific, proprietary, EIFS system specifications. While most Cellofoam EIFS Insulation Board is manufactured in flat boards for OEM systems, we also produce a wide variety of EIFS architectural shapes which may be viewed in our shapes catalogue. Cellofoam additionally fabricates custom shaped designs using computer driven hot wire cutting tools.



Our EIFS Insulation Board is made from premium EPS with excellent dimensional stability, compressive strength, and water resistance. Cellofoam EIFS Insulation Board is aged per ASTM E2430 specifications for added dimensional stability and very low moisture content. Both durable and flexible, Cellofoam EIFS can withstand large temperature change as well as reasonable structure movement without damage to the strong outer surface finish. Pre-cut drainage channels are optional.

ADVANTAGES

Maximum Bonding: Because maximum bonding ability is critical, Cellofoam EIFS is manufactured with a smooth, textured surface compatible with many types of adhesives and exterior finish coats to ensure a long-lasting and structurally sound wall system.

Code Approvals: Underwriters Laboratory listed, UL ER7260, for exterior insulation and finishing systems (EIFS). Please consult local building codes for system requirements.

Stable R-value: The R-value of EPS is permanent because the only gas in EPS is air. Unlike Polyiso or XPS whose blowing agents outgas and therefore lose R-value, EPS R-values do not degrade over decades of use.

Moisture Resistant: Cellofoam EIFS breathes, is quick drying, and does not readily absorb moisture from the air. The passage of moisture as water vapor through EPS reduces the risk of moisture damage to the wall or the peeling of exterior material.

Premium Quality: Meets or exceeds ASTM E2430 and C578 specs, with excellent dimensional stability & compressive strength.

Environmentally Friendly: Cellofoam EIFS EPS contains no formaldehyde or ozone-depleting CFCs or HCFCs. It is 100% recyclable and may contain recycled material.

Manufactured to Your Needs: Cellofoam EIFS Insulation Board is manufactured in 24 x 48 inch boards with thicknesses from 1 to 6 inches. Most EIFS systems require Type I (1.0 pcf) EPS although ASTM C578 nominal densities up to 2.0 pcf are available with EIFS System approvals.





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Cellofoam® EPS Typical Physical Properties ¹		ASTM Test	ASTM C578 Type			
	Units		Type I	Type VIII	Type II	Type IX
Density (Nominal)	lb/ft ³	C303 or D1622	1.0	1.25	1.5	2.0
Density (Minimum)	lb/ft ³		0.90	1.15	1.35	1.80
Thermal Resistance						
R-Value ²	at 25° F	(°F ft ² 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, un laminated EPS foam.

² R means resistance to heat flow. The higher the R value, the greater the insulating power.

Conyers, GA
1917 Rockdale Industrial Blvd.
Conyers, GA 30012

Orlando, FL
11237 Astronaut Blvd.
Orlando, FL 32837

Sallisaw, OK
1330 W. Redwood Ave
Sallisaw, OK 74955

Whiteland, IN
150 Crossroads Drive
Whiteland, IN 46184

Winchester, VA
326 McGhee Road
Winchester, VA 22603



800-468-3626
www.Cellofoam.com



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.

Cellofoam North America Inc. is an expanded polystyrene foam manufacturer and not an engineering consulting firm. Thus, it is beyond our scope to provide design services on the specific use for our products. Users of our EIFS EPS products should consult with appropriate engineering and code experts to determine the exact type and specifications of EPS required for their project. The sale of these products shall be subject to Terms and Conditions of Sale, including those limiting warranties as set forth in Cellofoam's invoices. No agent, employee, or representative of Cellofoam North America Inc. or its subsidiary or affiliated companies is authorized to modify this disclaimer.