

Product Data Sheet



INSULPINK[®]-Z Insulation

**FOAMULAR[®] Extruded
Polystyrene Insulation**



Time- and labor-saving; sized to fit commercial Z-furring channels.

Reduce job site labor costs while you install premium insulation.

- FOAMULAR INSULPINK-Z insulation is pre-cut to a nominal width of 23 7/8" x 96" length panels, eliminating costly cutting of insulation panels to fit 24" o.c. Z-channels.
- Available in thicknesses of 1", 1 1/2" and 2"; square edges.
- Provides high, predictable R-value of 5 per inch of thickness.
- Extruded polystyrene insulation offers excellent moisture resistance for long-term thermal performance.
- Lightweight, durable rigid foam panels are easy to handle and install.

FOAMULAR INSULPINK-Z insulation is extremely lightweight for easy handling and provides a compressive strength of 15 psi, which meets the requirements of a vertical wall application.

INSULPINK-Z insulation provides an R-value of 5 per inch of product thickness, and outstanding resistance to moisture for long-term retention of the thermal performance.

Product Data

Material	Extruded polystyrene closed-cell foam panel with continuous skins on top and bottom surfaces. INSULPINK-Z insulation is produced by Owens Corning's patented HYDROVAC [®] process technology under conditions of strict quality control.
Weight	Approx. 130 lb/1,000 sq ft for each inch of thickness.
Packaging	Shipped in units (8' high x 4' wide x 8' deep); 8 stretch-wrapped bundles per unit.
Thermal resistance	R-value = 5 per inch of thickness at 75°F and 5.4 per inch at 40°F.
Compliance with standards	AASHTO-M230 Type IV, meets BOCA 2603, ICBO 2603, SBCCI 2603, ASTM C578-92, Type X. Underwriters Laboratories, Inc. [®] Classified Foam Plastic (see Classification Certificate U-197).

Physical Properties⁽¹⁾

Property	ASTM Method ⁽²⁾	Product/Values FOAMULAR INSULPINK-Z Insulation
Thermal conductivity – "k" (BTU x in/°F x ft ² x h) ⁽³⁾ @ 75°F mean temperature @ 40°F mean temperature	C518	0.20 0.18
Compressive strength minimum (lb/in ²) ⁽⁴⁾	D1621	15.0
Flexural strength (lb/in ² min.) ⁽⁵⁾	C203	60
Water absorption (% by volume max.) ⁽⁶⁾	C272	0.10
Water vapor permeance (perm. max.) ⁽⁷⁾	E96	1.10
Water affinity	–	hydrophobic
Water capillarity	–	none
Dimensional stability (% linear change max.) ⁽⁸⁾	D2126	2.0
Linear coefficient of thermal expansion (in/in/°F max.)	–	2.7 x 10 ⁻⁵
Flame spread ⁽⁹⁾⁽¹⁰⁾	E84	5
Smoke developed ⁽⁹⁾⁽¹⁰⁾⁽¹¹⁾	E84	145-150
Oxygen index min. ⁽⁹⁾	D2863	24

(1) Properties shown are representative values for 1" thick material based upon most recent product quality audit data. (2) Modified as required to meet ASTM C578-92. (3) Thermal resistance (R) – (hr x ft² x °F/BTU) – of a 1" thickness 5.0 (at 75°F mean temperature), 5.4 (at 40°F mean temperature). (4) Value at yield or 10% deflection, whichever occurs first. (5) Value at yield or 5%, whichever occurs first. (6) Data ranges from 0.00 to value shown. (7) Actual water vapor permeance data for 1" thick material value decreases as thickness increases. (8) Data ranges from 0.0 to value shown. (9) These laboratory tests are not intended to describe the hazard presented by this material under actual fire conditions. (10) Data from Underwriters Laboratories, Inc.[®] Classified. See Classification Certificate U-197. (11) ASTM E84 is thickness-dependent, therefore a range of values is given.

Product Availability

Thickness	1", 1 1/2", 2"
Width x Length	23 7/8" (nominal) x 96"
Edges	square

FOAMULAR® Extruded Polystyrene Insulation

INSULPINK®-Z Insulation

Note

All products and sizes may not be available in all markets. For information about non-standard products, consult a local sales representative.

Caution

Combustible. FOAMULAR insulation will ignite if exposed to fire of sufficient heat and intensity, although it does contain a flame-retardant additive to inhibit ignition from small fire sources. This product should be installed only with a thermal barrier on the interior side of the wall. During shipping, storage, installation and use, this product should not be exposed to open flame or other ignition sources.



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