



INNOVATIONS FOR LIVING™

INSULPINK®
Insulation

Product Data Sheet



Product Data

INSULPINK Insulation is an extruded polystyrene closed-cell foam panel. INSULPINK insulation is produced by Owens Corning's patented Hydrovac® process technology under conditions of strict quality control.

Property

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.
Compliance with standards	Meets building code approvals - see BOCA 2603, ICBO 2602, SBCCI 2603, ASTM C 578 Type X. Underwriters Laboratories, Inc.® See Classification Certificate U-197.

Product Availability

Property

Thickness	1 1/2" (R-7.5)
Width x Length	24" x 96"
Edges	Slotted

Help reduce job site labor costs while you install premium insulation.

- Available in a thickness of 1 1/2" with slotted edges to accommodate furring.
- Provides high 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.

Caution: Combustible. Although it does contain a flame-retardant additive to inhibit ignition from small fire sources, if exposed to fire of sufficient heat and intensity, INSULPINK insulation will ignite. Do not expose the product to open flame during shipping, storage, installation or use. In most applications, a code-compliant thermal barrier must be used to separate INSULPINK insulation from the building interior. See conditions of use section of ICC ES Report 96-24 for application covering recommendations.

Grinding, sawing or fabricating can produce dust particles which may be irritating to eyes, nose and throat. Avoid buildup of dusts. Certain conditions form explosive dust atmospheres that can be ignited. Ensure adequate ventilation.

Typical Physical Properties¹

Property (units)	Test Method ²	Value
Thermal conductivity - "k" (Btu x in/hr x ft ² x °F max.) ³ @ 75°F mean temperature @ 40°F mean temperature	ASTM C 518	0.20 0.18
Thermal Resistance - R-Value per inch of thickness @ 75°F mean temperature @ 40°F mean temperature	ASTM C 518	5.0 5.4
Compressive Strength (min. lb./in ²) ⁴	ASTM D 1621	15.0
Flexural Strength (min. lb./in ²) ⁵	ASTM C 203	60
Water Absorption (max. % by volume) ⁶	ASTM C 272	0.10
Water Vapor Permeance (max. perm) ⁷	ASTM E 96	1.10
Water Affinity	—	hydrophobic
Water Capillarity	—	none
Dimensional Stability (max. % linear change) ⁸	ASTM D 2126	2.0
Linear Coefficient of Thermal Expansion (in./in./°F max)	—	2.7 x 10 ⁻⁵
Flame Spread ^{9,10}	ASTM E 84	5
Smoke Developed ^{9,10,11}	ASTM E 84	45-175
Oxygen index (min.) ⁹	ASTM D 2863	24

¹Properties shown are representative values for 1" thick material based upon most recent product quality audit data.

²Modified as required to meet ASTM C578-92.

³Thermal 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).

⁴Value at yield or 10% deflection, whichever occurs first.

⁵Value at yield or 5% deflection, whichever occurs first.

⁶Data ranges from 0.00 to value shown.

⁷Actual water vapor permeance data for 1" thick material value decreases as thickness increases.

⁸Data ranges from 0.0 to value shown.

⁹These laboratory tests are not intended to describe the hazard presented by this material under actual fire conditions.

¹⁰Data from Underwriters Laboratories, Inc.® classified. See Classification Certificate U-197.

¹¹ASTM E 84 is thickness-dependent, therefore a range of values is given



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