INNOVATIONS FOR LIVING™

PROPINK®
Reinforced Insulating Sheathing

Product Data Sheet

Description

PROPINK Reinforced Insulating Sheathing is an extruded polystyrene, closed-cell panel with a reinforced skin laminated on both sides.

The product is ideal for either wood or metal framing construction, and suits a variety of exterior finishes. It is specifically designed to withstand job-site damage with a reinforced film laminate developed by Owens Corning, which provides an increased level of bend-but-don't-break strength, flexibility and puncture resistance. Applied to both sides of the board, the laminate goes to the edge for improved nail-holding at the joints.

Like all FOAMULAR® products, **PRO**PINK sheathing is made with Owens Corning's patented Hydrovac® process technology that makes it highly resistant to moisture and permits the product to retain initial R-value year after year – even after prolonged exposure to water leakage, humidity, condensation, and freeze, thaw cycling. Its job-site damage resistance saves material and results in fewer "callbacks."

Uses

PROPINK sheathing is used as a sheathing over all exterior walls in wood and metal framing construction, creating an effective insulating envelope around the entire structure. For residing applications, the product can be installed directly over the existing siding to reduce air infiltration and create a smooth surface for the new exterior finish.

Product Attributes

High R-Value*

The product's R-5 value per inch of product thickness is better than wood fiber, plywood or ½ inch gypsum panels. It readily combines with blanket insulation for a greater wall R-value.

Fire Rated

PROPINK sheathing can be used in fire-rated exterior wall assemblies for application in office buildings, schools, shopping centers and more.

Read This Before You Buy

What you should know about R-values

The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

There are other factors to consider. The amount of insulation you need depends mainly on the climate, the type and size of you house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel.

To get the marked R-value, it is essential that this insulation be installed properly.

Product Data

Property	FOAMULAR **PRO**PINK ½"	¾"	1"
Size	4' x 8' (or 9")	4' x 8' (or 9")	4' x 8' (or 9")
Edge	Square	T & G	T & G
Weight (approx. per 1,000 ft.^{2})	110 lbs.	140 lbs.	150 lbs.
Packaging (4' x 8') pieces per bundle	20	16	12
Bundles per unit	8	8	8
Pieces per unit	160	128	96
Sq. ft. per bundle	640	512	384
Sq. ft. per unit	5,120	4,096	3,072
Sq. ft. per truck	61,440	49,152	36,864
Units per truck	12	12	12

*The higher the R-value, the greater insulating power. Ask your seller for the fact sheet on R-values.

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Strong Construction
The product's reinforced skin provides added strength and flexibility. Its edge-to-edge laminate coverage provides excellent nail-holding at joints.

Easy to Handle
PROPINK sheathing is easy to handle, cut and install without the difficulties of foil facing. The product can be cut all way through with a sharp knife or saw.

Non-corrosive
The product effectively resists mildew, corrosion and rot. It meets applicable codes and standards.

Availability
PROPINK sheathing is available in ½" (R-3, straight edge); ¾" (R-4, T&G edge) and 1" (R-5, T&G edge). It comes in both 4' x 8' and 4' x 9' panels.

Technical Information
PROPINK sheathing is a non-structural material, and must be installed on framings that are independently structurally adequate to meet required constructions and service loading conditions. The product is practical for all buildings under normal temperature conditions and should not be used in contact with chimneys, heater vents, steam pipes or surfaces where temperatures exceed 165° F. All constructions should be evaluated for necessity providing vapor retarder. See current ASHRAE Handbook of Fundamentals.

Typical Physical Properties[1]

Property (units)	Test Method[2]	Values FOAMULAR **PRO**PINK ½"	¾"	1"
Thermal Conductivity - "k", max[3] (Btu x in/hr x ft² x °F)	ASTM C 518			
@ 75°F mean temperature		0.20	0.20	0.20
@ 40°F mean temperature		0.18	0.18	0.18
Thermal Resistance - "R", minimum (Aged R-value)	ASTM C 518			
@ 75°F mean temperature		3.0[11]	4.0[11]	5.0
@ 40°F mean temperature		3.3	4.4	5.4
Flexural Strength[4] average min.	ASTM C 203	100	85	65
Water Absorption (max. % by volume)[5]	ASTM C 272	0.10	0.10	0.10
Water Vapor Permeance (max. perm)[6]	ASTM E 96	0.23	0.23	0.23
Water Affinity	—		hydrophobic	
Water Capillarity	—		none	
Dimensional Stability (max. % change)[7]	ASTM D 2126	2.0	2.0	2.0
Maximum Service Temperature (°F)	—	165	165	165
Flame Spread[8,9]	ASTM E 84	30	30	30
Smoke Developed[8,9,10]	ASTM E 84	75	75	75
Oxygen index (min.)[8]	ASTM D 2863	24	24	24
Thermal Expansion	—	2.7×10^{-5}	2.7×10^{-5}	2.7×10^{-5}

[1]Properties listed are representative values based upon most recent product quality audit data. Based on 1" thickness except for FOAMULAR® HALF-INCH. For specification range limits, consult your sales representative.
[2]Modified as required to meet ASTM C 578.
[3]Thermal resistance (R) of 1" thickness: 5.0 (at 75°F mean temperature), 5.4 (at 40°F [hr. x ft² x °F/Btu).
[4]Value at yield or 5% deflection.
[5]Data ranges from 0.00 to value shown due to the level of precision of the test method.
[6]Based on one-inch thick specimens. Consideration of the permeance data is preferred.
[7]Data ranges from 0.0 to 2.0.
[8]These laboratory tests are not intended to describe the hazard presented by this material under actual fire conditions.
[9]Data from Underwriters Laboratories, Inc.® classified. see Classification Certificate U-197.
[10]Thickness and density dependent, therefore a range of values is given.
[11]Nominal Thickness.

Thermal Resistance R-Values for Typical Frame Walls

Exterior Finish	Insulating Blanket Thickness (in.)		Design Thermal Resistance R-Value for FOAMULAR Insulation Thickness[1] ½" (R-3)	¾" (R-4)	1" (R-5)
¾" Wood Siding (R-1.05)	3.5	R13	18.0	19.3	20.5
	6.25	R19	22.6	23.9	25.1
½" Plywood/Hardboard Siding (R-0.62)	3.5	R13	18.1	19.1	20.1
	6.25	R19	22.7	23.7	24.7
Vinyl Siding (R-0.71)	3.5	R13	18.2	19.2	20.2
	6.25	R19	22.8	23.8	24.8
1" Face Brick (R-0.44)	3.5	R13	17.9	18.8	19.9
	6.25	R19	22.5	23.5	24.5
1" Stucco (R-0.20)	3.5	R13	17.7	18.7	19.7
	6.25	R19	22.3	23.3	24.3

[1]Resistances are calculated including Inside/Outside air films, based upon procedures and design values for all components at 75°F mean temperature from 1997 ASHRAE Handbook of Fundamentals.

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For more technical information and installation directions, consult the FOAMULAR insulation sheets Tech Guide, Sweets catalog or product packaging.

Standards and Code Compliance

- Accepted by code authorities under Research Reports: ICC ES Legacy Report 96-24; ICBO 3628 and SBCCI & ESI 9727.
- Meets HUD/FHA Use of Materials Bulletin No. 71 for sheathing and ASTM C-578.
- Underwriters Laboratories, Inc.® classified; See Certificate U197.

Fire-Rated Stud Wall Assemblies

For fire-rated wall assembly construction, refer to current edition of Underwriters Laboratories, Inc.® Fire Resistance Directory, Design No. U326, U330 (wood studs); U460, V414 (steel studs); U902, U912 (masonry).

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, FOAMULAR 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 FOAMULAR insulation from the building interior. See "conditions for 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.

Notes

All products described here may not be available in all geographic markets. Consult your local sales office representative for more information. For more information on the Owens Corning family of home building products, contact your Owens Corning dealer or call: 1-800-GET-PINK or access our web site: www.owenscorning.com.

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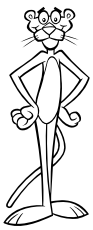

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