FOAMULAR® & FOAMULAR® NGX™
PROPINK®
INSULATION SHEATHING

EXTRUDED POLYSTYRENE (XPS)
RIGID FOAM INSULATION

PROPINK® Insulating Sheathing is an Extruded Polystyrene (XPS) insulation board with a reinforced skin laminated on both sides for flexibility and extra damage control on the job site.

FOAMULAR® NGX™ PROPINK® XPS insulation contains the additional benefit of being manufactured with a blowing agent formulation that delivers a 90% reduction to Global Warming Potential (100 years), including the complete elimination of HFC 134a. ¹

Standards, Codes Compliance

• This product is combustible. A protective barrier or thermal barrier is required as specified in the appropriate building code.
• All construction should be evaluated for the necessity to provide vapor retarders. See current ASHRAE Handbook of Fundamentals.
• PROPINK® XPS insulation reinforced insulating sheathing effectively resists mildew, corrosion, and rot
• Can be used in hourly fire resistance rated exterior wall assemblies for application in office buildings, schools, shopping centers, and more
• ASTM E119 Fire Resistance Rated Wall Assemblies. Can be used in hourly rated assemblies.
• Meets ASTM C578 Type X
• UL Classified. UL Classification Certificate U-197 is available at www.owenscorning.com
• UL ER8811-01 Evaluation Report for Code acceptance is available at UL.com
• Meets California Quality Standards and HUD UM #71a
• Compliance verification by RADCO (AA-650)

Applications

• Great for either wood or metal framing construction, and suits a variety of exterior finishes

Physical Properties²

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-VALUE FOR ½&quot; THICKNESS³</td>
<td>ASTM C518</td>
<td></td>
</tr>
<tr>
<td>Thermal Resistance, minimum R, °F•ft•h/btu (RSI, °C•m²/W)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>@ 75°F (24°C) mean temperature</td>
<td></td>
<td>3.0 (0.53)</td>
</tr>
<tr>
<td>@ 40°F (4.4°C) mean temperature</td>
<td></td>
<td>3.2 (0.56)</td>
</tr>
<tr>
<td>@ 25°F (-3.9°C) mean temperature</td>
<td></td>
<td>3.3 (0.58)</td>
</tr>
<tr>
<td>Thermal Conductivity, maximum k, Btu•in/ft²•hr•°F</td>
<td>ASTM C518</td>
<td>0.20</td>
</tr>
<tr>
<td>Water Vapor Permeance, maximum² perm (ng/Pa•s•m²)</td>
<td>ASTM E96</td>
<td>0.2 (11.5)</td>
</tr>
<tr>
<td>Compressive Strength, minimum⁴ lb/in² (kPa)</td>
<td>ASTM D1621</td>
<td>15.0 (104)</td>
</tr>
<tr>
<td>Flexural Strength, minimum⁴ lb/in² (kPa)</td>
<td>ASTM C203</td>
<td>60 (414)</td>
</tr>
<tr>
<td>Water Absorption, maximum⁴ % by volume</td>
<td>ASTM C272</td>
<td>0.3</td>
</tr>
<tr>
<td>Service Temperature, maximum °F (°C)</td>
<td></td>
<td>165 (74)</td>
</tr>
</tbody>
</table>

2 Properties shown are representative values for 1” thick material, unless otherwise specified.
3 Modified as required to meet ASTM C578.
4 R means the resistance to heat flow; the higher the value, the greater the insulation power. This insulation must be installed properly to get the marked R-value. Follow the manufacturer’s instructions carefully. If a manufacturer’s fact sheet is not provided with the material shipment, request this and review it carefully.
5 Value at yield or 10% deflection, whichever occurs first.
6 Value at yield or 5%, whichever occurs first.
7 Data ranges from 0.00 to value shown due to the level of precision of the test method.
8 Value at yield or 10% deflection, whichever occurs first.
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 E 84 is thickness-dependent, therefore a range of values is given.

1 Compared to FOAMULAR® PROPINK® blowing agent formulation.
Design Considerations

• 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
• When using PROPINK® XPS insulation reinforced insulating sheathing, or any low-perm insulating sheathing, always verify the moisture vapor flow and dew point characteristics of the wall system
• FOAMULAR® XPS insulation is a non-structural material and must be installed on framing that is independently braced and structurally adequate to meet required construction and service loading conditions

Installation

FOAMULAR® insulation can be exposed to the exterior during normal construction cycles. During that time, some fading of color may begin due to UV exposure, and, if exposed for extended periods of time, some degradation or “dusting” of the polystyrene surface may begin. It is best if the product is covered within 60 days to minimize degradation. Once covered, the deterioration stops, and damage is limited to the thin top surface layers of cells. Cells below are generally unharmed and still useful insulation.

Product and Packaging Data

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>Extruded polystyrene closed-cell foam, ASTM C578 Type X, 15 psi minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACKAGING</td>
<td>Shipped in poly-wrapped units with individually wrapped or banded bundles</td>
</tr>
<tr>
<td>THICKNESS (IN)</td>
<td>PRODUCT DIMENSIONS (IN) X WIDTH (IN) X LENGTH (IN)</td>
</tr>
<tr>
<td>½</td>
<td>1/2 x 48 x 96</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4 x 48 x 96</td>
</tr>
<tr>
<td>1</td>
<td>1 x 48 x 96</td>
</tr>
</tbody>
</table>

Available lengths and edge configurations vary by thickness. Consult your local Owens Corning representative for availability.

Limited Warranty

FOAMULAR® XPS insulation limited lifetime warranty maintains 90% of its R-value for the lifetime of the building and covers all ASTM C578 properties. See actual warranty for complete details, limitations, and requirements at www.owenscorning.com.

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at www.owenscorning.com.

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SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.SCSglobalservices.com.

LEED® is a registered trademark of the U.S. Green Building Council.

Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via http://sds.owenscorning.com.

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