Energy-Saving\(^1\), Moisture-Resistant XPS Insulation

High Compressive Strength

**FOAMULAR® 400 XPS Insulation:** ASTM C578 Type VI, 40 psi minimum

**FOAMULAR® 600 XPS Insulation:** ASTM C578 Type VII, 60 psi minimum

**FOAMULAR® 1000 XPS Insulation:** ASTM C578 Type V, 100 psi minimum

**Description**

Owens Corning™ FOAMULAR® 400, 600 and 1000 are high strength Extruded Polystyrene (XPS) Insulation products designed for use in engineered applications requiring additional load-bearing capability such as under slab, concrete floors, foundations, roadways and rail beds, plaza and parking decks and cold storage installations.

The unique closed-cell structure of FOAMULAR® XPS Insulation helps to make it highly resistant to moisture, retaining its excellent R-value year after year—even following prolonged exposure to moisture and freeze/thaw cycling.

**Key Features**

- Designed for use in high load bearing applications. High compressive strength helps resist damage from heavy loads. Available in 40, 60 and 100 psi compressive strengths.
- Excellent long-term stable insulating performance with an R-value\(^2\) of R-5 per inch.
- Exceptional moisture resistance, long-term durability.
- Limited lifetime warranty\(^3\) — maintains 90% of R-value and covers all ASTM C578 properties.
- GREENGUARD Gold Certified.
- The only XPS foam with certified recycled content—certified by SCS Global Services to contain a minimum 20% recycled content.
- Will not corrode, rot or support mold growth.
- Zero ozone depletion potential with 70% less global warming potential than our previous formula.
- Reusable
- Lightweight, durable rigid foam panels are easy to handle and install.
- Easy to saw, cut or score.

**Product Applications**

- Owens Corning FOAMULAR® 400, 600, and 1000 Extruded Polystyrene (XPS) Rigid Foam Insulation are great for under slab, cold storage installations, concrete floors, foundations, plaza and parking decks, roofing, roadways and rail beds, permafrost protection and other high load-bearing applications.
- Designed for use in high load bearing applications. High compressive strength resists damage from heavy loads. Available in 40, 60, and 100 psi compressive strengths.

**Technical Information**

This product is combustible. A protective barrier or thermal barrier is required as specified in the appropriate building code. For additional information, consult MSDS or contact Owens Corning World Headquarters at 1-800-GET-PINK®.

All construction should be evaluated for the necessity to provide vapor retarders. See current ASHRAE Handbook of Fundamentals.

FOAMULAR® XPS Insulation is a non-structural material and must be installed on framing which is independently braced and structurally adequate to meet required construction and service loading conditions.

FOAMULAR® XPS 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

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1 Savings vary. Find out why in the seller’s fact sheet on R-values. Higher R-values mean greater insulating power.
2 R means the resistance to heat flow; the higher the R-value, the greater the insulating power.
3 See actual warranty for complete details, limitations and requirements.
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.

FOAMULAR® Extruded Polystyrene Insulation has a maximum service temperature of 165°F. Taking simple precautions during construction can minimize the potential for heat related damage. Install only as much FOAMULAR® XPS Insulation as can be covered in the same day. For horizontal applications, always turn the print side down so the black print does not show to the sun which may at times act as a solar collector, raising the temperature of the foam under the print to an unacceptable level. Provide a final finish covering or temporary white opaque covering to avoid possible damage. Examples of such coverings include but are not limited to filter fabrics, membranes, temporary tarps, clear polyethylene, etc. If improperly covered, and exposed to the right combination of sun, time and temperature, FOAMULAR® XPS Insulation deformation damage may occur rapidly. See

Owens Corning publication number 10015704, “Heat Build Up Due to Solar Exposure” for more information.

### Standards, Codes Compliance
- Meets ASTM C578 Type VI (FOAMULAR® 400 XPS Insulation), Type VII (FOAMULAR® 600 XPS Insulation), or Type V (FOAMULAR® 1000 XPS Insulation).
FOAMULAR® 400/600/1000
Extruded Polystyrene (XPS) Rigid Foam Insulation

Product Data Sheet

Product and Packaging Data
FOAMULAR® 400/600/1000 Extruded Polystyrene (XPS) Rigid Foam Insulation

<table>
<thead>
<tr>
<th>Material</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extruded polystyrene closed-cell foam panel with continuous skin on face and back surface.</td>
<td>Shipped in poly-wrapped units with individually wrapped or banded bundles.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thickness (in)</th>
<th>Product Dimensions</th>
<th>Pallet (Unit) Dimensions (typical)</th>
<th>Square feet per Pallet</th>
<th>Board feet per Pallet</th>
<th>Bundles per Pallet</th>
<th>Pieces per Bundle</th>
<th>Pieces per Pallet</th>
<th>Edges</th>
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<tr>
<td>1</td>
<td>1 x 24 x 96</td>
<td>4 x 8 x 8</td>
<td>3,072</td>
<td>3,072</td>
<td>8</td>
<td>24</td>
<td>192</td>
<td>Square Edge</td>
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<td>4 x 8 x 8</td>
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<td>FOAMULAR® 600 XPS Insulation</td>
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<tr>
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<td>1 x 24 x 96</td>
<td>4 x 8 x 8</td>
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<td>8</td>
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<td>3,072</td>
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<tr>
<td>FOAMULAR® 1000 XPS Insulation</td>
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1. Product availability and lead times vary by region and by product. Consult your local Owens Corning sales representative for availability and lead times.

• UL Classified.
  • A copy of UL Classification Certificate U-197 is available at www.owenscorning.com
• See UL ER8811-01 at UL.com
• See www.foamular.com for details on listings, constructions and assemblies
• Meets California Quality Standards and HUD UM #71a
• Compliance verification by RADCO (AA-650)

Certifications and Sustainable Features of FOAMULAR® XPS Insulation
• FOAMULAR® XPS Insulation is reusable
• FOAMULAR® XPS Insulation is made with a zero ozone depletion formula
• Certified by SCS Global Services to contain a minimum of 20% recycled content
• Certified to meet indoor air quality standards under the stringent GREENGUARD Indoor Air Quality Certification Program, and the GREENGUARD Gold Certification
• Utilizing FOAMULAR® XPS Insulation can help achieve green building certifications including the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED®) certification

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 http://sustainability.owenscorning.com.
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.

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 building products, contact your Owens Corning dealer; call 1-800-GET-PINK®, or access www.owenscorning.com.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient’s sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein.

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.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

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