Description

Owens Corning® FOAMULAR® CW15 and CW25 Extruded Polystyrene (XPS) Insulation are closed cell, moisture-resistant rigid foam boards designed for cavity wall applications. Pre-cut 16” wide boards yield fast, labor-saving installation.

Features

- Excellent long-term stable insulating performance of R-51 per inch
- Exceptional moisture resistance, long-term durability
- Reusable
- Lightweight, durable rigid foam panels are easy to handle and install
- Easy to saw, cut or score

Technical Information

- 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 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.
- This product is combustible. A protective barrier or thermal barrier is required to separate this product from interior living or conditioned spaces 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.

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>CW15</th>
<th>CW25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Resistance, R-value minimum, hr·ft²·°F/Btu</td>
<td>ASTM C 518</td>
<td></td>
<td></td>
</tr>
<tr>
<td>@ 75°F (24°C) mean temperature</td>
<td></td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>@ 40°F (4.4°C) mean temperature</td>
<td></td>
<td>5.4</td>
<td>5.4</td>
</tr>
<tr>
<td>Compressive Strength, minimum psi</td>
<td>ASTM D 1621</td>
<td>15.0</td>
<td>25.0</td>
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<tr>
<td>Flexural Strength, minimum psi</td>
<td>ASTM C 203</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>Water Absorption, maximum % by volume</td>
<td>ASTM C 272</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Water Vapor Permeance, maximum perm</td>
<td>ASTM E 96</td>
<td>1.15</td>
<td>1.15</td>
</tr>
<tr>
<td>Dimensional Stability, maximum % linear change</td>
<td>ASTM D 2126</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>ASTM E 84</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>ASTM E 84</td>
<td>175</td>
<td>175</td>
</tr>
<tr>
<td>Oxygen Index, minimum % by volume</td>
<td>ASTM D 2863</td>
<td>24</td>
<td>24</td>
</tr>
</tbody>
</table>

Standards, Codes Compliance

- Meets ASTM C 578 Type X (CW15) and Type IV (CW25)
- UL Classification Certificate U-197
- Code Evaluation Report UL ER8811-01
- ASTM E 119 Fire Resistance Rated Wall Assemblies
- Meets California Quality Standards; HUD UM #71a
- Compliance verification by RACDO (AA-650)

Limited Warranty

FOAMULAR® XPS insulation limited lifetime warranty maintains 90% of its R-value for the lifetime of the building and covers all ASTM C 578 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.

Notes

Not for use in roofing. For roofing applications, use FOAMULAR® THERMAPINK® XPS insulation.

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

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum 20% recycled content pre-consumer
- 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
- Environmental Product Declaration (EPD) has been certified by UL Environment

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