StarRfoam is high-quality expanded polystyrene (EPS)

**DESCRIPTION**

StarRfoam XV is a lightweight, closed cell, rigid insulation, manufactured from expanded polystyrene (EPS). StarRfoam EPS meets or exceeds ASTM C578, Type XV, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

**APPLICATION**

- Commercial roofing insulation
- Exterior insulation finishing systems (EIFS)
- Below grade insulation
- Metal roof & metal deck flue-fill
- GeoFoam
- Cavity Walls
- Tilt-up concrete insulation
- Underslab insulation
- Split slab insulation
- Custom computer cut shapes
- Docks and piers
- Pre-cast concrete panels
- Interior wall insulation
- Ramps and bridge approaches
- Packaging
- Sheathing
- Void fill
- Road base
- Retaining walls

**BENEFITS**

- Stable R-Value
- Proven performance
- Environmentally friendly
- Moisture resistant
- Energy efficient
- Cost-effective
- Code approvals
- No CFC, HCFC, HFC, or formaldehyde
- Termite protection available

**OPTIONS**

Available sizes:
- 4’x4’ panels (1/4” to 48” thick)
- 4’x8’ panels (1/4” to 48” thick)

Contact your local sales representative for custom shapes and sizes.

**PLANT LOCATIONS**

**ARLINGTON**
3220 EAST AVENUE F
ARLINGTON, TX 76011
800-722-6218

**ANTHONY**
1004 OMAR ROAD
ANTHONY, TX 79821
915-886-4636

**KINGMAN**
4445 OLYMPIC WAY
KINGMAN, AZ 86401
928-681-2800

**PHOENIX**
2465 S 19TH AVE. BLDG F
PHOENIX, AZ 85009
602-253-4770
## Physical & Thermal Properties

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TYPE XV</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Density (pcf)</td>
<td>3.0</td>
<td>ASTM C303</td>
</tr>
<tr>
<td>Thermal Resistance (R-Value)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(per inch) at @25°F,</td>
<td>5.10</td>
<td>ASTM C518 or</td>
</tr>
<tr>
<td>(per inch) at @40°F,</td>
<td>5.05</td>
<td>C177</td>
</tr>
<tr>
<td>(per inch) at @75°F,</td>
<td>4.60</td>
<td></td>
</tr>
<tr>
<td>Water Vapor Permeability (perms)</td>
<td>2.5</td>
<td>ASTM E96</td>
</tr>
<tr>
<td>Water Absorption (max. % volume)</td>
<td>2.0</td>
<td>ASTM C272</td>
</tr>
<tr>
<td>Oxygen Index, Min.</td>
<td>24%</td>
<td>ASTM D2863</td>
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</table>

## Strength Properties

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TYPE XV</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength @10%</td>
<td>60.0</td>
<td>ASTM D1621</td>
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<tr>
<td>deformation, min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Strength (min. psi)</td>
<td>75.0</td>
<td>ASTM C203</td>
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<tr>
<td>Dimensional Stability</td>
<td>2.00%</td>
<td>ASTM D2126</td>
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<tr>
<td>Flame Spread</td>
<td>&lt;20</td>
<td>ASTM E84</td>
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<tr>
<td>Smoke Developed</td>
<td>150-300</td>
<td>ASTM E84</td>
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