Thermafiber® Safing mineral wool insulation is designed to provide enhanced fire protection in perimeter fire containment systems, floor and wall penetrations, construction joints, and other firestopping applications. It is noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-resistant, and vermin-resistant. Thermafiber® Safing provides thermal insulation, fire containment, and enhanced acoustical performance in many different UL® and Intertek® (formerly OPL) listed fire containment assemblies of 1-, 2-, and 3-hour ratings.

**Features**
- Exceptional performance in Perimeter Fire Containment Systems
- Provides fire containment in rated assemblies
- Fire-resistant to temperatures above 2,000°F (1,093°C)
- Helps conserve energy, reduce greenhouse gas emissions
- Mold-resistant
- Enhances acoustical performance
- Minimum 70% recycled content
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

**Technical Data**

**TESTED TO ASTM C518**

<table>
<thead>
<tr>
<th>ACTUAL DENSITY</th>
<th>&quot;K&quot; @ 75º [24ºC] BTU.IN/HR.SQ FT. °F</th>
<th>&quot;R&quot; VALUE PER INCH OF THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 pcf</td>
<td>0.23</td>
<td>4.3</td>
</tr>
<tr>
<td>6.0 pcf</td>
<td>0.23</td>
<td>4.3</td>
</tr>
</tbody>
</table>

2  R = thickness divided by "k."

**Physical Properties**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrosion of Steel, Aluminum, and Copper</td>
<td>ASTM C665</td>
<td>Noncorrosive, Types I, II</td>
</tr>
<tr>
<td>Non-Combustibility</td>
<td>ASTM E136</td>
<td>Non-Combustible</td>
</tr>
<tr>
<td>Non-Combustibility</td>
<td>CAN/ULC S114</td>
<td>Complies</td>
</tr>
<tr>
<td>Water Vapor Permeance</td>
<td>ASTM E96</td>
<td>Unfaced, 50 perms as tested</td>
</tr>
<tr>
<td>Water Vapor Sorption</td>
<td>ASTM C1104</td>
<td>Sorption less than 1% by volume</td>
</tr>
<tr>
<td>Surface Burning Characteristics</td>
<td>ASTM E84</td>
<td>Unfaced, Flame Spread 0, Smoke Developed 0</td>
</tr>
<tr>
<td>Surface Burning Characteristics</td>
<td>CAN/ULC S102</td>
<td>Unfaced, Flame Spread 0, Smoke Developed 0</td>
</tr>
</tbody>
</table>

**Perimeter Fire Containment Systems**

Safing insulation is a critical component of any perimeter fire containment system. Thermafiber, Inc. has performed decades of testing in all of the fire containment systems listed below.
- Aluminum Spandrel
- Steel Stud-Framed/Gypsum Sheathing
- Glass Spandrel
- Granite Spandrel
- Precast Concrete Spandrel
- Steel Back Pan

For more complete test information, see UL® and Intertek® (formerly OPL) Directories. For a full listing of fire containment systems, visit www.thermafiber.com.

UL Reference = TYPE SAF.

For additional job-specific details and accessory materials necessary to complete the Perimeter Fire Containment System, please refer to UL® and Intertek® design listings. See Owens Corning publication “Enclosure Solutions Perimeter Fire Containment System E2307 Perimeter Technical Bulletin” (Pub. No. 10020920) for more information.

See Owens Corning publication “Thermafiber® Perimeter Fire Containment System Guide” (Pub. No. 10022722) for more information.

Safing products are approved by New York City Board of Standards & Appeals – (Under BSA 39-74-SM & accepted by MEA-209-82-M, Vol. 4).
Product Options

- Safing 4.0, 2-inch or greater thickness, is available with a vapor-retarding foil-facing.
- Safing 6.0, 1.5-inch or greater thickness, is available with a vapor-retarding foil-facing.
- Recycled Content Options:\[7\]:
  - EPA Choice Fiber
    (U.S. Government Buildings)..................................Minimum 75%
  - Standard Fiber.................................................................70%

Formaldehyde-free product available. See Owens Corning publication Thermafiber® Safing Formaldehyde-Free Mineral Wool Insulation Data Sheet (Pub. No. 10023216) for more information.

5 Thicknesses are available in 1-inch increments.
6 Custom sizes are available upon request.

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.