FireSpan® 40 and 90
Curtain Wall Insulation

Description
Thermafiber® FireSpan® products are designed to provide life saving fire protection in curtain wall and perimeter fire containment systems. These products are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-proof and vermin-proof. Its natural dark color provides shadowing in glass spandrels. FireSpan® 40 and 90 provide thermal insulation, fire protection, acoustical and vapor control in many different fire containment assemblies of 1, 2, and 3-hr ratings.

- Exceptional performance in Perimeter Fire Containment Systems
- Provides life saving fire protection in rated assemblies
- Fire resistant to temperatures above 2,000°F (1,093°C)
- Conserves energy, reduces greenhouse gas emissions
- High recycled content
- Mold resistant
- Controls noise and sound
- Natural dark color provides shadowing in glass spandrels

LEED® v2009 Green Building Credits

<table>
<thead>
<tr>
<th>Minimum 70% Recycled Content</th>
<th>Energy and Atmosphere</th>
<th>Materials and Resources</th>
<th>Indoor Environmental Quality</th>
<th>Innovation in Design</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3.1, 3.2</td>
<td>4.1, 4.2</td>
<td>5.1, 5.2</td>
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<td></td>
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<td>1</td>
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Product Options
- FireSpan® 40, 2” or greater thickness, is available with a vapor retarding foil facing.
- FireSpan® 90, 1” or greater thickness, is available with a vapor retarding foil facing.
- Recycled Content Options:
  Standard Fiber (Compiles with EPA Preference Program)............Minimum 75%

Installation
FireSpan® products should be installed in accordance with the installation instructions and installation drawings provided at www.CavityComplete.com. See architectural CAD detail CC-SS-12.
Standard Sizes

<table>
<thead>
<tr>
<th></th>
<th>Thickness*</th>
<th>Widths**</th>
<th>Lengths**</th>
</tr>
</thead>
<tbody>
<tr>
<td>FireSpan 40</td>
<td>2” - 7”</td>
<td>24”, 36”, 72”</td>
<td>48”, 60”, 72”</td>
</tr>
<tr>
<td>FireSpan 90</td>
<td>1” - 7”</td>
<td>24”, 36”, 72”</td>
<td>48”, 60”, 72”</td>
</tr>
<tr>
<td>Tolerances</td>
<td>+1/4”, - 1/8”</td>
<td>± 1/8”</td>
<td>+ 3/4”, - 1/4”</td>
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</tbody>
</table>

*Thicknesses are available in 1/2” increments.
**Consult sales representative for custom size options.

Technical Data

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>Nominal Density</th>
<th>“k” @ 75 [24°C] BTU.in/hr.sq. ft. °F</th>
<th>“R” value per inch of thickness***</th>
</tr>
</thead>
<tbody>
<tr>
<td>FireSpan 40</td>
<td>4.0 pcf</td>
<td>0.24</td>
<td>‘R’ = 4.2</td>
</tr>
<tr>
<td>FireSpan 90</td>
<td>8.0 pcf</td>
<td>0.24</td>
<td>‘R’ = 4.2</td>
</tr>
</tbody>
</table>

***R = thickness divided by ‘k’

Fire-Containment Tests Per ASTM E 2307
FireSpan® insulation is the insulation for perimeter fire containment. Thermafiber has performed decades of testing in all of the following containment systems:

- Aluminum Spandrel Curtain Wall Fire Containment
- Steel Stud-Framed/Gypsum Sheathing Curtain Wall Fire Containment
- Glass Spandrel Curtain Wall Fire Containment
- Granite Spandrel Curtain Wall Fire Containment
- Precast Concrete Spandrel

For more complete test information, see SA707, Thermafiber Life-Safety Fire Containment Systems technical catalog or UL and Intertek (formerly OPL) Directories. For a full listing of containment systems visit www.thermafiber.com and click on Fire Rated Assemblies.

Standards Compliance
FireSpan® 40 and 90 meet the following:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Type</th>
<th>Description</th>
</tr>
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</table>
| ASTM C 665             | I, II, III (Class A, Category 1) | apparatus, Category 1 |}

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