Pyrogel® XTF aerogel blanket insulation is designed to provide exceptional passive fire protection and superior thermal performance in a thin, lightweight format.

Tested to the most stringent fire-protection standards, Pyrogel XTF delivers hydrocarbon pool-fire protection for up to 4 hours, and jet fire protection up to 2 hours. It can also be used to meet the requirements of API 521 for the sizing of pressure relief systems.

Pyrogel XTF incorporates all the insulative qualities of Pyrogel XTE to combine class-leading thermal performance with versatile passive fire protection. Hydrophobic and breathable, Pyrogel XTF keeps underlying assets drier for longer, providing superior corrosion defense and maintaining process conditions in the harshest of environments.

Offering more asset coverage per man hour, especially on large-bore piping, vessels, and skirts, Pyrogel XTF supports a faster return to service. It can be applied in all weather conditions and requires no cure time, providing immediate protection of assets.

### THERMAL CONDUCTIVITY†

<table>
<thead>
<tr>
<th>Mean Temp. °F / °C</th>
<th>k (BTU-in/hr-ft²°F / mW/m-K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 / 0</td>
<td>0.14 / 20</td>
</tr>
<tr>
<td>212 / 100</td>
<td>0.16 / 23</td>
</tr>
<tr>
<td>392 / 200</td>
<td>0.19 / 28</td>
</tr>
<tr>
<td>572 / 300</td>
<td>0.24 / 35</td>
</tr>
<tr>
<td>752 / 400</td>
<td>0.32 / 46</td>
</tr>
<tr>
<td>932 / 500</td>
<td>0.44 / 64</td>
</tr>
<tr>
<td>1112 / 600</td>
<td>0.62 / 89</td>
</tr>
</tbody>
</table>

†Thermal conductivity measured at a compressive load of 2 psi.

### ADVANTAGES

- Lower total installed cost compared to traditional passive fire protections
- Faster and easier application gives immediate passive fire protection—no curing or drying time needed
- Can be installed in all weather conditions
- Easily removed and reused after inspection
- Hydrophobic and breathable; resists liquid water and the damaging effects of CUI/CUF
- Lightweight, durable design allows for pre-insulation
- Suitable for applications from ambient to 650°C/1200°F
THE AEROGEL ADVANTAGE

Aerogel is a lightweight solid derived from gel in which the liquid component of the gel has been replaced with air. The process of creating aerogel results in a material with extremely low density and the lowest thermal conductivity of any solid. These remarkable properties make aerogel one of the world's most efficient insulating materials. Our patented process integrates this unique aerogel into a fiber-batting to create flexible, resilient, and durable aerogel blankets with superior insulating performance.

WORKING WITH PYROGEL®

Clean, flush, and accurate cutting of Pyrogel can be achieved using conventional cutting tools such as scissors, tin snips, or razor knives. As with all technical insulation materials, appropriate personal protective equipment (PPE) should be worn when handling, cutting and installing Pyrogel. See SDS/AIS for complete health and safety information.

MORE INFO

PRODUCT WEB PAGE
Scan with mobile device or go to aerogel.com/pyrogel

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