Re-defining the Standard for Fire Protection, Thermal and Acoustic Insulation
ProTek™ Fire and Blast Protection Systems offer technical integrity for fire protection thermal and acoustic insulation to meet the requirements of the NORSOK Standard R-004 for Piping and Equipment Insulation. The inherent benefits delivered by the advanced composite ProTek™ Fire and Blast Protection Systems satisfy the performance requirements for Classes 5, 6, 7 and 8.

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<tr>
<th>Insulation Class</th>
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<th>Jacket Material</th>
<th>Other Comments/Build Up/Test Standards</th>
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<tr>
<td>Class 5 Fire Protection</td>
<td>Inorganic and organic insulation cores</td>
<td>High strength composite</td>
<td>Jet Fire to OTI 95634 H30 to ISO 834</td>
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<tr>
<td>Class 6 Acoustic Insulation</td>
<td>Inorganic and organic insulation cores</td>
<td>High strength composite</td>
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<td>Class 8 Acoustic Insulation</td>
<td>Inorganic and organic insulation cores</td>
<td>High strength composite</td>
<td>ISO 15665 Class C1 to C3</td>
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</tbody>
</table>

Section 4.4.1 Surface Material for Jackets and Boxes

ProTek™ Fire and Blast Protection Systems are provided with inspection hatches and panels with AISI 316 stainless steel latches; these incorporate the insulation so that it is removed within the panel. The high strength composite laminate exceeds the strength and corrosion resistance of specified AISI 316 stainless steel.

Section 4.4.2 Insulation Materials for Jackets and Preformed Boxes

Insulation materials of the ProTek™ Fire and Blast Protection Systems are encapsulated within the structure of the protection and do not sag, combust or require wrapping.

Sections 4.4.3 and 4.10 Drainage

Approved and fire tested details provided for drainage at the lowest point of the ProTek™ Fire and Blast Protection Systems.

Section 4.4.4 Locking Mechanisms

ProTek™ Fire and Blast Protection Systems use AISI 316 stainless steel latches to lock removable inspection panels and hatches; these are rated for blast loading.

Section 4.4.5 Accessories

All metal accessories used in ProTek™ Fire and Blast Protection Systems are supplied in AISI 316 stainless steel.

Section 4.4.6 Identification

Each removable part of the ProTek™ Fire and Blast Protection System is supplied with identification plates permanently laminated into them for visual identification.

Section 4.8 Non-metallic jacketing

The ProTek™ Fire and Blast Protection Systems are manufactured from a non-metallic structural laminate which offers improved strength and corrosion resistance over specified AISI 316 stainless steel.

Section 5.1 Materials

The insulation materials used in ProTek™ Fire and Blast Protection Systems are manufactured from a mix of inorganic and organic insulators that offer improved performance over cellular glass and mineral wool. This insulation performance applies equally well to Hot Service and Cold Service applications.

All insulation materials are encapsulated within ProTek™ Fire and Blast Protection Systems and are not exposed to the operator; pH value is neutral. No Pollution risk.

ProTek™ Fire and Blast Protection Systems have demonstrated smoke and toxicity compliance to the Airbus Industrie Technical Specification ATS 1000.001 for use in aircraft interiors.