Epoxy Intumescent Fireproofing Systems

APS’s Coatings & Linings Division provides application of factory and site based specialist coatings and linings to the oil, gas, water and power industries.

Intumescent fire protection solutions prevent steel structures from heating up rapidly in a fire and thereby delay the loss of load bearing capacity and integrity. In marine and industrial environments, where hydrocarbon pool and jet fires are a risk, epoxy intumescent fire proofing buys time to enable personnel to evacuate the area.

Features
• Light Weight and Therefore Ideal for Offshore Structures
• Essential Protection for Humans and Assets
• For Both Hydrocarbon Pool Fire and Jet Fire Exposure
• Fire Protection Possible For Up To 4 Hours

Applications
• External Gas Spheres
• Onshore Pipe Racks
• Offshore Structural Steel
• External Offshore Pipe Spools
• Offshore Bulkheads
• Offshore/Onshore Living Quarters
Installation Guidance

After primer application, the epoxy intumescent system is applied by plural component spray machine and then trowelled onto the surface. A fibre mesh is installed in between the layer build up for extra reinforcement of the char in case of exposure to fire. The crew and supervisors in APS are trained and certified for application of several epoxy intumescent coatings available on the market.

APS is associated with some of the world's leading manufacturers of high performance linings and coatings. Some typical examples of systems are listed below, though we are not limited to using only these systems, as in many cases the client's specification is the driving factor.

Typical Epoxy Intumescent Systems Used:

<table>
<thead>
<tr>
<th>Product name</th>
<th>DFT System</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittchar XP</td>
<td>Depending on the Fire Rating</td>
<td>For Hydrocarbon and Jet Fire</td>
</tr>
<tr>
<td>Chartek 7</td>
<td>Depending on the Fire Rating</td>
<td>For Hydrocarbon and Jet Fire</td>
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<tr>
<td>Nullfire Sytem E</td>
<td>Depending on the Fire Rating</td>
<td>For Hydrocarbon Fire</td>
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</tbody>
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Milestone Projects Executed by APS:

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Client</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Umm Lulu Modular Fabrication</td>
<td>ADMA OPCO</td>
<td>PFP for Offshore Platform</td>
</tr>
<tr>
<td>TAKREER Refinery</td>
<td>TAKREER</td>
<td>PFP for Refinery Pipework</td>
</tr>
<tr>
<td>ENOC Refinery</td>
<td>ENOC</td>
<td>PFP for Gas Sphere</td>
</tr>
<tr>
<td>Das Island</td>
<td>ADMA OPCO</td>
<td>PFP for Onshore Pipe Rack</td>
</tr>
<tr>
<td>ADWEA Power Station</td>
<td>ADWEA</td>
<td>PFP for Power Station</td>
</tr>
</tbody>
</table>

For a detailed and full project reference list, please contact APS.

APS brings unrivalled levels of innovation, experience and expertise in corrosion engineering and contracting. We have in-depth knowledge of the industry, our customers' day-to-day challenges and the environmental, health and safety standards in the marketplace. By working in close partnership with our customers, our company is able to provide timely, efficient, cost-effective and above all quality products and services.

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