Description
Syntho-Glass®24 consists of a thick fiberglass mat which is pre-impregnated with a water activated resin that hardens into a high energy absorbing and impact resistant rock shield. This system, when used with the preapproved corrosion coating of your choice, provides exceptional mechanical and impact protection. Syntho-Glass 24 can be used underwater, underground or above ground pipes and piles.

Mechanical Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ASTM D3039</td>
<td>54,370 psi (3748 bar)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D790</td>
<td>44,845 psi (3,093 bar)</td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>ASTM D149</td>
<td>16,060 Volts</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>ASTM G14 / G62</td>
<td>123 ft. lb. (167 J)</td>
</tr>
</tbody>
</table>

Typical Applications
- Mechanical protection

Benefits
- Impact resistance
- Energy absorbing
- Easy to apply
- No mixing, no measuring ensures consistent glass to resin ratio, therefore consistent results
- Can be applied in any weather condition, even underwater
- Our thickest water activated fiberglass provides strong impact resistant shell with only 4 layers
- Contains no solvents

Physical Properties
- VOCs: None
- Working Time: 30 Minutes @ 75°F (24°C)
- Initial Cure Time: 2 Hours
- Resin Type: Water-activated polyurethane
- Resin Application: Pre-impregnated
- Service Temperature: -50° to 250°F (-46° to 121°C)
- Application Temperature: 32° to 150°F (-18° to 65°C)
- Shelf Life: 12 months
- Substrates: Steel, Galvanized, Concrete, FRP, Iron, PVC, Wood

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