Ferox-15 SPECIFICATIONS

Ferox-15 is an epoxy/novolac based coating specifically designed for oil and gas field applications. It has good overall chemical and corrosion resistance with excellent adhesion and abrasion resistance. Additionally, it also has an added layer of primer which enhances adhesion and C02 and H2S chemical resistance.

Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Epoxy/Novolac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Green</td>
</tr>
<tr>
<td>Temperature</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>Pressure</td>
<td>To yield strength of pipe</td>
</tr>
<tr>
<td>Applied Thickness</td>
<td>7-16 mils</td>
</tr>
<tr>
<td>Primary Pipe Size</td>
<td>2&quot;-12&quot;, range 2-3</td>
</tr>
<tr>
<td>Primary Applications</td>
<td>New and used tubular</td>
</tr>
<tr>
<td>Primary Service</td>
<td>Production tubing, flow lines, casing, pup joints</td>
</tr>
</tbody>
</table>

Recommended Services:

- Rod Pump Wells
- High Chloride Disposal Wells

Benefits:

- Exceptional Adhesion
- Exceptional Abrasion Resistance
- Exceptional Acid Resistance
- Exceptional Fuel Resistance
- Good Flexibility
- Good Brine Resistance
- Additional C02 and H2S Protection

Test Results:

- Hardness
  - Shore D Hardness = 90 per ASTM D2240
- Adhesion Rate
  - 50 mpa/7,250 psi per ASTM D4541
- Taber Abrasion Test
  - 40 mg per ASTM D4060—CS17 wheels, 1000 cycles, 1000 g
- Impact Testing
  - Direct impact value = 50 in. lb. per ASTM D2794
  - Indirect impact value = 11 in. lb. per ASTM D2794

Note: Acidizing the tubing has no adverse affect to our coating if flushed in a reasonable amount of time. Failing to flush chemicals in a reasonable amount of time may jeopardize the life of the coating. Any questions regarding this matter should be directed to a Vulcan Labs representative.