100% solids, ceramic reinforced thin film coating to protect structures against erosion, abrasion, and corrosion. ARC S2 industrial coating is designed to:

- Protect against corrosion and erosion
- Provide improved material flow properties
- Apply by brush, roller, airless or plural component spraying

Application Areas

- Tank lining
- Structural steel
- Pipe ID & OD
- Fans & housings
- Condensers
- Hoppers
- Absorber modules
- Heat exchangers
- Pumps & valves

Packaging and Coverage

Nominal, based on 375 µm (15 mil)

- 1125 ml cartridge covers 3.00 m² (32.29 ft²)
- 1.5 liter kit covers 4.00 m² (43 ft²)
- 5 liter kit covers 13.33 m² (143.52 ft²)
- 16 liter kit covers 42.67 m² (459.26 ft²)

Note: Components are pre-measured & pre-weighed.
Each kit includes mixing and application instructions.
1.5 liter and 5 liter kits include tools.
Color: Gray or Green

Technical Data

<table>
<thead>
<tr>
<th>Composition/Matrix</th>
<th>A modified epoxy resin reacted with an aliphatic curing agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reinforcement</td>
<td>Proprietary blend of fine ceramic reinforcements</td>
</tr>
<tr>
<td>Cured Density</td>
<td>1.6 g/cc</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>(ASTM D 695)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>(ASTM D 790)</td>
</tr>
<tr>
<td>Tensile Adhesion</td>
<td>(ASTM D 4541)</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>(ASTM D 638)</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td>(ASTM D 638)</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>(ASTM D 790)</td>
</tr>
<tr>
<td>Shore Durometer Hardness</td>
<td>(ASTM D 2240)</td>
</tr>
<tr>
<td>Vertical Sag Resistance, at 21°C (70°F) and 0.25 mm (10 mils)</td>
<td>No sag</td>
</tr>
<tr>
<td>Cathodic Disbondment</td>
<td>(ASTM G 8)</td>
</tr>
<tr>
<td>Taber Wear CS-17/500 cycles/1 lb load</td>
<td>(ASTM D 4060)</td>
</tr>
<tr>
<td>Maximum Temperature (Dependent on service)</td>
<td>Wet Service</td>
</tr>
<tr>
<td></td>
<td>Dry Service</td>
</tr>
<tr>
<td>Shelf life (unopened containers)</td>
<td>2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]</td>
</tr>
</tbody>
</table>

Features and Benefits

- Abrasion resistant surface
  - Extends equipment life
  - Reduces downtime
- High gloss, low drag surface
  - Improves material flow
  - Enhances efficiency
- High adhesive strength
  - Prevents underfilm corrosion
- 100% solids; no VOCs; no free isocyanates
  - Enhances safe use
  - No shrinkage on cure
  - Resists permeation
- Low viscosity: brush, roller or spray applied coating
  - Easy to apply
  - Saves repair time

Technical Data reflect results of laboratory tests and are intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton’s knowledge and control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form No. 084985 ARC S2 REV. 3/17

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