

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
- Heat exchangers
- Hoppers
- Absorber modules
- 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



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

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|---|---|---|---------------------------|
| Composition | Matrix | A modified epoxy resin reacted with an aliphatic curing agent | |
| | Reinforcement | Proprietary blend of fine ceramic reinforcements | |
| Cured Density | | 1.6 g/cc | 99 lb/ cu.ft. |
| Compressive Strength | (ASTM D 695) | 910 kg/cm ² (89.3 MPa) | 12,950 psi |
| Flexural Strength | (ASTM D 790) | 520 kg/cm ² (51 MPa) | 7,400 psi |
| Tensile Adhesion | (ASTM D 4541) | 435 kg/cm ² (42.7 MPa) | 6,200 psi |
| Tensile Strength | (ASTM D 638) | 341 kg/cm ² (33.4 MPa) | 4,850 psi |
| Tensile Elongation | (ASTM D 638) | 2.7% | |
| Flexural Modulus | (ASTM D 790) | 4.3 x 10 ⁴ kg/cm ² (4205 MPa) | 6.1 x 10 ⁵ psi |
| Shore D Durometer Hardness | (ASTM D 2240) | 85 | |
| Vertical Sag Resistance, at 21°C (70°F) and 0.25 mm (10 mils) | | No sag | |
| Cathodic Disbondment | (ASTM G 8) | Passes | |
| Taber Wear CS-17/1000 cycles/1 kg load | (ASTM D 4060) | 60 mg loss | |
| Maximum Temperature (Dependent on service) | Wet Service | 52°C | 125°F |
| | Dry Service | 80°C | 175°F |
| Shelf life (unopened containers) | 2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility] | | |