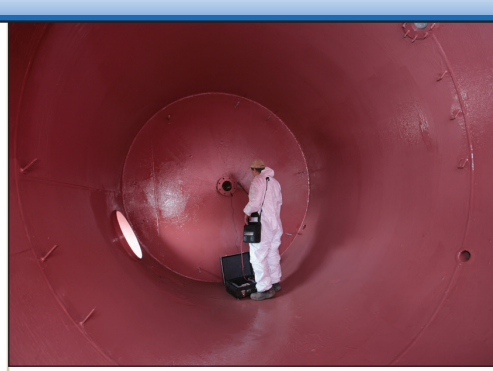
Product Datasheet: ARC S4+

100% solids, advanced reinforced thin film coating to protect structures against extreme chemical attack and corrosion. ARC S4+ industrial coating is designed to:

- Protect against extreme chemical attack in immersion
- Provide extended wear resistance
- Apply by brush, roller, airless or plural component spraying



Application Areas

- Exhaust gas ductwork
- Chemical storage tanks
- Heat exchangers
- Fans and housings
- Chimneys & stacks
- Tank linings

Features and Benefits

- **Multi-functional chemistry**
  - Resists concentrated chemicals
- **High cross-link density**
  - Permeation resistant
  - Improved thermal stability
  - Enhanced mechanical properties
- **Spark testable per NACE SP0188**
  - Easy post application inspection
  - Facilitates quality assurance
- **High adhesive strength**
  - No underfilm corrosion
- **100% solids; no VOCs; no free isocyanates**
  - Enhances safe use

Packaging and Coverage

Nominal based on DFT 375 µm (15 mil)
Typically applied as 2-Coat System

- 1125 ml cartridge covers 3.00 m^2 (32.30 ft^2)
- 5 liter kit covers 13.33 m^2 (143.52 ft^2)
- 16 liter kit covers 42.70 m^2 (459.30 ft^2)

Note: Components are pre-measured & pre-weighed.

Each kit includes mixing and application instructions.
5 liter kit includes tools.

Colors: Gray or red

Technical Data

Composition — Matrix	A modified epoxy resin reacted with a modified cycloaliphatic amine curing agent		
Composition — Reinforcement	Proprietary blend of surface modified mineral reinforcements		
Cured Density		1.3 g/cc	81 lb/ cu.ft.
Flexural Strength	(ASTM D 790)	280 kg/cm^2 (27.6 MPa)	4,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm^2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	250 kg/cm^2 (24.1 MPa)	3,500 psi
Tensile Elongation	(ASTM D 638)	7%	
Flexural Modulus	(ASTM D 790)	1.8 x 10^4 kg/cm^2 (1765 MPa)	2.5 x 10^5 psi
Shore D Durometer Hardness	(ASTM D 2240)	83	
Vertical Sag Resistance, at 21°C (70°F) and 250 µm (10 mil)		No sag	
Maximum Temperature (Dependent on service)	Wet Service Dry Service Post Cure Wet Service	60°C 150°C 95°C	140°F 300°F 203°F
Shelf life (unopened containers)	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		

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