

100% solids, reinforced thin film coating to protect structures against chemical, erosion and corrosion attack. ARC S1PW is certified for cold water service requiring NSF 61 certification. ARC S1PW is designed to:

- Provide excellent barrier protection against erosion, corrosion and chemical attack
- Meet all requirements of NSF 61 for potable, cold water service
- Easily apply by brush, roller or plural component spray

Application Areas

- Crude oil storage tanks
- Chemical storage tanks
- Wastewater clarifiers
- Structural Steel
- Thickener tanks
- Cooling water systems
- Potable water pumps, valves and fittings

Packaging and Coverage

Nominal based on a 375 µm (15 mil) DFT

- 1125 ml cartridge covers 3.00 m² (32.30 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.
5 liter kit includes tools.

Colors: White or blue



Features and Benefits

- **Ceramic reinforced**
 - Resists erosion
- **High dielectric resistivity**
 - Allows spark testing per NACE SP0188
- **Low viscosity**
 - Easy to apply
- **Low surface energy**
 - Improves efficient flow
- **Excellent adhesion**
 - No underfilm corrosion
- **Compliant to NSF 61 standard for cold water service**
 - Non-contaminating formulation



Technical Data

Composition	Matrix	A modified epoxy resin reacted with polyamidoamine curing agent	
	Reinforcement (<i>Proprietary</i>)	Blend of fine aluminum oxide powders & micro glass flakes treated with polymeric coupling agent	
Cured Density		1.59 g/cc	92 lb/ cu.ft.
Compressive Strength	(ASTM D 695)	715 kg/cm ² (70.1 MPa)	10,180 psi
Flexural Strength	(ASTM D 790)	669 kg/cm ² (65.6 MPa)	9,520 psi
Flexural Modulus	(ASTM D 790)	3.9 x 10 ⁴ kg/cm ² (3.7 x 10 ³ MPa)	5.4 x 10 ⁵ psi
Pull-Off Adhesion	Metal	(ASTM D 4541)	477 kg/cm ² (46.8 MPa) 6,790 psi
Tensile Elongation		(ASTM D 648)	3.15%
Shore D Durometer Hardness		(ASTM D 2240)	87
Vertical Sag Resistance, at 21°C (70°F) and 250 µm (10 mils)			No sag
Maximum Temperature (Dependent on service)		Wet Service (NSF-CLD 23) Dry Service (General) Wet Service (General)	62°C 52°C 144°F 126°F
Shelf life (unopened containers)		1 year [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]	