

## General Purpose, Sprayable, Corrosion Protection Coating

100% solids, high build coating to protect structures against chemical, erosion and corrosion attack. ARC S1PW HB is certified for cold water service requiring NSF 600 compliance and NSF 61 certification.

ARC S1PW HB 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 plural component spray

## Application Areas

- Potable water tanks, pipes
- Crude oil storage tanks
- Chemical storage tanks
- Structural Steel
- Thickener tanks
- Cooling water systems
- Wastewater clarifiers

## Packaging and Coverage

Nominal based on 750 µm (30 mil) DFT

- 1125 ml cartridge covers 1.5 m<sup>2</sup> (16.1 ft<sup>2</sup>)
- 60 liter kit covers 80 m<sup>2</sup> (850 ft<sup>2</sup>)
- 600 liter kit covers 800 m<sup>2</sup> (8500 ft<sup>2</sup>)

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

Colors: White and Blue



## Features and Benefits

- **High build capability**
  - Allows for one coat application
  - Greater than 70% edge retention
  - Resists MIC (Microbiologically Induced Corrosion) attack
- **2:1 Mix Ratio**
  - Simplifies heated plural component spray setup
- **High dielectric resistivity**
  - Allows spark testing per NACE SP0188
- **Low surface energy**
  - Improves efficient flow
- **Excellent adhesion**
  - No underfilm corrosion
- **Compliant to NSF 61 standard for cold water service**
  - Complies with NSF/ANSI/ CAN 600

## Technical Data

Composition	Matrix	A modified epoxy blend reacted with an amidoamine curing agent	
	Reinforcement ( <i>Proprietary</i> )	Blend of fine aluminum oxide powders and micro glass flakes treated with polymeric coupling agent	
Cured Density		1.59 g/cc	92 lb/gal
Compressive Strength	(ASTM D 695)	794.5 kg/cm <sup>2</sup> (78 MPa)	11300 psi
Flexural Strength	(ASTM D 790)	569.5 kg/cm <sup>2</sup> (55.8 MPa)	8100 psi
Flexural Modulus	(ASTM D 790)	3.9 x 10 <sup>4</sup> kg/cm <sup>2</sup> (3.7 x 10 <sup>3</sup> MPa)	5.4 x 10 <sup>5</sup> psi
Pull Off Adhesion Metal	(ASTM D 4541)	393.7 kg/cm <sup>2</sup> (>38.6 MPa)	5600 psi
Tensile Strength	(ASTM D 638)	299.5 kg/cm <sup>2</sup> (>29.4 MPa)	4260 psi
Shore D Durometer Hardness	(ASTM D 2240)	87	
Vertical Sag Resistance at 21°C (70°F) and 250 µm (10 mils)		>3 mm	>120 mil
Maximum Temperature (Depending on service)	Wet Service (NSF-CLD 23) 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]		