

Sprayable, Ceramic-Reinforced Coating

100% solids, rapid cure, advanced reinforced thin film coating to protect structures and equipment in extreme immersion services.

ARC SD4i RC industrial coating is designed to:

- Protect against corrosion and erosion
- Provide extended protection in aggressive chemical immersion services
- Apply by brush, roller, or spray

Application Areas

- Flotation cells
- Thickener tanks
- Hydrocyclones
- Deaerators
- Hoppers
- Slurry pipes
- Heat exchangers
- Slurry tanks
- Bins and silos
- Pumps and Fans

Packaging and Coverage

Nominal, based on 1 coat; total DFT 375 µm (15 mil)

- 940 ml cartridge covers 2.51 m² (27 ft²)
- 0.75 liter kit covers 2.0 m² (21.5 ft²)

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

Each kit includes mixing and application instructions.

Color: Blue



Features and Benefits

- **Abrasion resistant surface**
 - Extends equipment life
 - Reduces spare parts
 - Reduces downtime
- **High gloss, low drag surface**
 - Improves material flow
 - Enhances efficiency
 - Resists MIC attack
- **High adhesive strength**
 - Helps prevent underfilm corrosion
- **100% solids; no VOCs; no free isocyanates**
 - Enhances safe use
 - No shrinkage on cure
 - Resists permeation
- **Low viscosity, thin film, brush, roller and spray applied**
 - Easy to apply
 - Saves repair time

Technical Data

Composition	Matrix	A modified epoxy resin structure reacted with an aliphatic amine curing agent	
	Reinforcement	Proprietary blend of fine ceramic reinforcements	
Cured Density		1.8 g/cc	112 lb/ cu. ft.
Flexural Strength	(ASTM D 790)	719 kg/cm ² (70.5 MPa)	10,220 psi
Pull Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4700 psi
Tensile Strength	(ASTM D 638)	303 kg/cm ² (29.7 MPa)	4310 psi
Tensile Elongation	(ASTM D 638)	0.33%	
Flexural Modulus	(ASTM D 790)	9.2 x 10 ⁴ kg/cm ² (9032 MPa)	13.1 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Vertical Sag Resistance, at 21°C (70°F) and 250 µ (10 mil)		No sag	
Taber Wear CS17/1000 cycles/1 kg load	(ASTM D 4060)	118 mg loss	
Maximum Temperature (dependent on service)	Wet Service	65°C	149°F
	Dry Service	120°C	248°F
Shelf Life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		