

# Product Datasheet: ARC SD4i

## Sprayable, Ceramic-Reinforced Coating

100% solids, advanced reinforced thin film coating to protect structures and equipment in extreme immersion services. ARC SD4i industrial coating is designed to:

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

## **Application Areas**

- Flotation cellsThickener tanks
- Deaerators
- Hoppers
- Hydrocyclones
- Slurry pipes
- Heat exchangers
- Packaging and Coverage

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

- 1125 ml cartridge covers 3.00 m<sup>2</sup> (32.30 ft<sup>2</sup>)
- 5 liter kit covers 13.33 m<sup>2</sup> (143.52 ft<sup>2</sup>)

16 liter kit covers 42.67 m<sup>2</sup> (459.26 ft<sup>2</sup>)
Note: Components are pre-measured & pre-weighed.
Each kit includes mixing and application instructions.
5 liter kit includes tools.

Color: Gray or Blue



Slurry tanks

Bins and silos

Pumps and Fans



## **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
  - Prevents underfilm corrosion
- 100% solids; no VOC's; 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

A modified epoxy resin structure reacted with an aliphatic amine curing agent		
Proprietary blend of fine ceramic reinforcements		
	1.8 g/cc	112 lb/ cu.ft.
(ASTM D 790)	640 kg/cm² (62.7 MPa)	9,100 psi
(ASTM D 4541)	241 kg/cm² (23.7 MPa)	3,430 psi
(ASTM D 638)	270 kg/cm² (26.4 MPa)	3,800 psi
(ASTM D 638)	2.8%	
(ASTM D 790)	6.2x10 <sup>4</sup> kg/cm <sup>2</sup> (6,080 MPa)	8.8 x 10⁵ psi
(ASTM D 2240)	85	
	No sag	
(ASTM D 4060)	0.26 g loss	
Wet Service Dry Service	65℃ 120℃	149°F 248°F
2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		
	Proprietary blend of fine c (ASTM D 790) (ASTM D 4541) (ASTM D 638) (ASTM D 638) (ASTM D 790) (ASTM D 790) (ASTM D 2240) (ASTM D 4060) Wet Service Dry Service	Proprietary blend of fine c=mic reinforcements     1.8 g/cc     (ASTM D 790)   640 kg/cm² (62.7 MPa)     (ASTM D 4541)   241 kg/cm² (23.7 MPa)     (ASTM D 638)   270 kg/cm² (26.4 MPa)     (ASTM D 638)   2.8%     (ASTM D 790)   6.2x10 <sup>4</sup> kg/cm² (6,080 MPa)     (ASTM D 2240)   85     No sag   No sag     (ASTM D 4060)   0.26 g loss     Wet Service   65°C     Dry Service   120°C



A.W. Chesterton Company 860 Salem Street, Groveland, MA U1834 USA Tel 14 1978-469-6888 Toll Free 844-469-6888 arcindustrialcoatings.com ARCInfo@Chesterton.com © J020 A.W. Chesterton Company ® Registered trademark owned by A.W. Chesterton Company in USA and other countries, unless otherwise noted.

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