**Product Datasheet: ARC SD4i**

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

### Packaging and Coverage
Nominal, based on 1 coat; total DFT 375 µm (15 mil)

- 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.

Color: Gray or 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
- 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 & 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) | 640 kg/cm² (62.7 MPa) | 9,100 psi |
| Pull-Off Adhesion (ASTM D 4541) | 241 kg/cm² (23.7 MPa) | 3,430 psi |
| Tensile Strength (ASTM D 638) | 270 kg/cm² (26.4 MPa) | 3,800 psi |
| Tensile Elongation (ASTM D 638) | 2.8% |
| Flexural Modulus (ASTM D 790) | 6.2x10⁴ kg/cm² (6,080 MPa) | 8.8 x 10⁵ 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 H-18/1000 cycles/1 kg load (ASTM D 4060) | 0.26 g loss |
| Maximum Temperature (Dependent on service) Wet Service Dry Service | 65°C 120°C | 149°F 248°F |
| Shelf life (unopened containers) | 2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility] |

Technical Data reflect results of laboratory tests and are intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton’s knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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