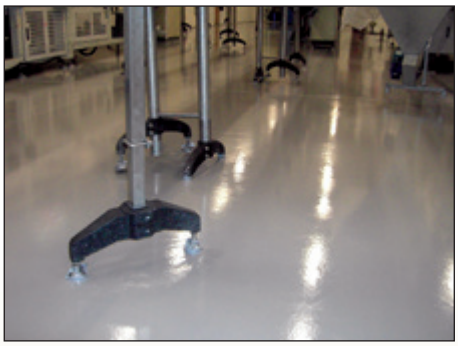
Product Datasheet: ARC CS2(E)

100% Solids, mineral reinforced, wear resistant, low viscosity epoxy. ARC CS2(E) thin film industrial coating is designed to:

- Protect new & old concrete subject to mild chemical and/or physical damage
- Replace tiles, outlast paints and other concrete coatings
- Apply by roller, brush, squeegee or airless or heated plural component spray



Application Areas

- Concrete tanks
- Secondary containment
- Water intakes and dams
- Sumps, drains & pits
- Process floor areas
- Wastewater treatment
- Pump & equipment bases

Packaging and Coverage

Nominal, based on a 500 µm (20 mil) thickness

- 16 liter kit covers 32.00 m^2 (344.45 ft^2)

Note: Components are pre-measured & pre-weighed.
Each kit includes mixing and application instructions.

Color: Gray

Features and Benefits

- **Durable high performance coating**
  - Dramatically outlasts conventional paints and coatings
- **100% solids; no VOCs; no free isocyanates**
  - Enhances safe use
  - No Shrinkage on cure
- **Can be applied to dry or damp concrete**
  - Saves time by allowing application under a variety of conditions
- **Surface Modified Mineral Reinforcements**
  - Excellent resistance to permeation
- **Achieves strong adhesion to concrete**
  - Resists delamination and provides long term protection
- **Adhesion exceeds cohesive strength of concrete**

Technical Data			
Composition — Matrix	A modified epoxy resin reacted with polyamidoamine curing agent		
Reinforcement *(Proprietary)*	Blend of surface modified mineral reinforcements providing resistance to permeation & chemical attack		
Cured Density		1.3 gm/cc	81 lb/ cu.ft.
Pull-Off Adhesion	(ASTM D 4541)	>35.1 kg/cm^2 (>3.4 MPa)	>500 psi Concrete Failure
Compressive Strength	(ASTM D 695)	802 kg/cm^2	11,380 psi
Tensile Strength	(ASTM D 638)	439 kg/cm^2	6,180 psi
Tensile Elongation	(ASTM D 638)	5.1 %	
Flexural Strength	(ASTM D 790)	549 kg/cm^2	7,760 psi
Flexural Modulus	(ASTM D 790)	1.9 x 10^4 kg/cm^2	2.7 x 10^5 psi
Hardness Shore D	(ASTM D 2240)	85	
Vertical Sag Resistance, at 21°C (70°F) and 350 µ (14 mils)		No Sag	
Maximum Temperature (Dependent on service)	Wet Service Dry Service	52°C 93°C	125°F 200°F
Shelf life (unopened containers)	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		

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