# INDUSTRIAL COATINGS

# 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

Technical Data

- Secondary containment
- Water intakes and dams
- Sumps, drains & pits
- Process floor areas
- Wastewater treatment
- Packaging and Coverage

Nominal, based on a 500  $\mu m$  (20 mil) thickness

 16 liter kit covers 32.00 m<sup>2</sup> (344.45 ft<sup>2</sup>) Note: Components are pre-measured & pre-weighed.
Each kit includes mixing and application instructions.
Color: Gray



Pump & equipment

bases



#### **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

rechilical Data				
Composition Matrix	A modified epoxy res	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/cm² (>3.4 MPa)	>500 psi Concrete Failure	
Compressive Strength	(ASTM D 695)	802 kg/cm <sup>2</sup>	11,380 psi	
Tensile Strength	(ASTM D 638)	439 kg/cm <sup>2</sup>	6,180 psi	
Tensile Elongation	(ASTM D 638)	5.1%		
Flexural Strength	(ASTM D 790)	549 kg/cm <sup>2</sup>	7,760 psi	
Flexural Modulus	(ASTM D 790)	1.9 x 10 <sup>4</sup> kg/cm <sup>2</sup>	2.7 x 10⁵ 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 betw	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		



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