

**100% Solids, mineral reinforced, wear resistant, low viscosity epoxy. ARC CS2 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<sup>2</sup> (344.45 ft<sup>2</sup>)

Note: Components are pre-measured & pre-weighed.

Each kit includes mixing and application instructions.

Color: Light 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 ( <i>Proprietary</i> )	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 <sup>2</sup> (>3.4 MPa)	>500 psi Concrete Failure
Compressive Strength	(ASTM D 695)	680 kg/cm <sup>2</sup>	9,650 psi
Tensile Strength	(ASTM D 638)	240 kg/cm <sup>2</sup>	3,380 psi
Tensile Elongation	(ASTM D 638)	4.7%	
Flexural Strength	(ASTM D 790)	410 kg/cm <sup>2</sup>	5,800 psi
Flexural Modulus	(ASTM D 790)	2.5 x 10 <sup>4</sup> kg/cm <sup>2</sup>	3.5 x 10 <sup>5</sup> psi
Thermal Compatibility to Concrete 5 cycles/dry/< -10°C to 50°C (<14°F to 122°F)	(ASTM C 884 Modified)	Pass	
Hardness Shore D	(ASTM D 2240)	87	
Vertical Sag Resistance, at 21°C (70°F) and 150 µ (6 mils)		No Sag	
Maximum Temperature (Dependent on service)	Wet Service	52°C	125°F
	Dry Service	93°C	200°F
Shelf life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		