

100% Solids, Highly chemical resistant and wear resistant, low viscosity, thin film 100% Novolac epoxy. ARC CS4(E) industrial coating is a concrete overlayment designed to:

- Protect new and old concrete subject to severe chemical attack
- Replace acid resistant tiles, chemical resistant paints and other concrete coatings
- Apply by roller, brush, squeegee or airless or heated plural component spray

Application Areas

- Chemical tanks
- Secondary containment
- Sumps, drains & pits
- Chemical process floors
- Neutralization tanks
- Pump foundations
- Equipment bases

Packaging and Coverage

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

- 16 liter kit covers 32.00 m² (344.45 ft²)

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

Color: Red



NOTE: Due to a localized surface reaction, ARC CS4(E) may discolor in certain concentrated chemicals. This discoloration does not mean that the ARC composite has degraded. A corresponding trace discoloration of the process liquid may also occur. Please contact your local ARC Specialist for more information.



Features and Benefits

- Resistant to broad range of acids & caustics
 - Easy coating selection
- Durable high performance coating
 - Longer life
 - Outlasts conventional coatings
- 100% solids; no VOCs; no free isocyanates
 - Enhances safe use
 - No Shrinkage on cure
- Applies to dry or damp concrete
 - Saves time
 - Enhances correct application
 - Versatile for a variety of conditions
- Surface Modified Mineral Reinforcements
 - Excellent resistance to permeation
- Adhesion exceeds cohesive strength of concrete

Technical Data

Composition	Matrix	100% Novolac epoxy resin reacted with cycloaliphatic amine curing agent	
	Reinforcement (<i>Proprietary</i>)	Blend of surface modified mineral reinforcements providing resistance to permeation and chemical attack	
Cured Density		1.3 gm/cc	81 lb/ cu.ft.
Tensile Adhesion	(ASTM D 4541)	>35.1 kg/cm ² (>3.4 MPa)	>500 psi Concrete Failure
Compressive Strength	(ASTM D 695)	895 kg/cm ² (88 MPa)	12,680 psi
Tensile Strength	(ASTM D 638)	245 kg/cm ² (24.5 MPa)	3,560 psi
Tensile Elongation	(ASTM D 638)	5.2%	
Flexural Strength	(ASTM D 790)	399 kg/cm ² (39 MPa)	5,717 psi
Flexural Modulus	(ASTM D 790)	1.5 x 10 ⁴ kg/cm ² (1.5 x 10 ³ MPa)	2.2 x 10 ⁵ psi
Hardness Shore D	(ASTM D 2240)	79	
Thermal Compatibility to Concrete 5 cycles/dry/< -10°C to 50°C (<14°F to 122°F)	(ASTM C 884 Modified)	Pass	
Vertical Sag Resistance, at 21°C (70°F) and 200 µ (8 mil)		No Sag	
Maximum Temperature (Dependent on service)	Wet Service (Continuous)	40°C	105°F
	Wet Service (Intermittent)	52°C	125°F
	Dry Service	80°C	175°F
Shelf life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		