

**Highly chemically resistant, 100% solids, pure novolac resin-based, quartz reinforced concrete resurfacer. ARC 988(E) industrial coating is designed to:**

- Resurface new and rebuild old concrete degraded by chemical or physical damage
- Replace acid resistant tiles or overlayers of phenolic, furan, polyester, or concrete
- Protect against concentrated acids (98% sulfuric acid), organic solvents, and alkalis
- Easily apply by trowel

## Application Areas

- Battery rooms
- Pickling & plating lines
- Bleaching areas
- Sumps, trenches & pits
- Chemical containments
- Pump foundations
- Equipment bases
- Concentrated acid areas
- Wastewater treatment

## Packaging and Coverage

Nominal, based on a 6 mm (240 mil) thickness

- System Kit covers 4.10 m<sup>2</sup> (44.13 ft<sup>2</sup>)

Contains:

- 1 x ARC 797(E) primer pack
- 1 x ARC 988(E) resin pack
- 3 bags of QRV(E) reinforcement

- Bulk Kit covers 16.70 m<sup>2</sup> (180.00 ft<sup>2</sup>)

Contains:

- 1 x ARC 797(E) Bulk kit primer pack
- 1 x ARC 988(E) resin
- 1 x ARC 988(E) curing agent
- 12 bags of QRV(E) reinforcement

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

Each kit includes mixing and application instructions plus tools.

Colors: Gray or Red



## Features and Benefits

- Resists concentrated chemicals, i.e. alkalis, acids & solvents
  - Covers a broad range of chemical exposures
- Coefficient of thermal expansion comparable to concrete
  - Resists cracking & delamination
  - Longer life
- 100% solids; no VOCs; no free isocyanates
  - Enhances safe use
- Bonds to dry or damp concrete
  - Saves time and versatile
- Reinforcement coupling agent minimizing coating voids
  - Permeation resistant
- Adhesion exceeds cohesive strength of concrete

Technical Data			
Composition	Matrix	A modified epoxy resin reacted with a cycloaliphatic amine curing agent	
	Reinforcement	A proprietary quartz material pretreated with polymeric coupling agent	
Cured Density		2.1 g/cc	129 lb/ cu.ft.
Compressive Strength	(ASTM C 579)	1,070 kg/cm <sup>2</sup> (105 MPa)	15,200 psi
Pull-Off Adhesion	(ASTM D 4541)	>35.1 kg/cm <sup>2</sup> (>3.4 MPa)	>500 psi Concrete Failure
Tensile Strength	(ASTM C 307)	215 kg/cm <sup>2</sup> (21.1 MPa)	3,065 psi
Flexural Strength	(ASTM C 580)	440 kg/cm <sup>2</sup> (42.7 MPa)	6,200 psi
Flexural Modulus of Elasticity	(ASTM C 580)	1.6 x 10 <sup>5</sup> kg/cm <sup>2</sup> (1.5 x 10 <sup>4</sup> MPa)	2.2 x 10 <sup>6</sup> psi
Linear Coefficient of Thermal Expansion	(ASTM C 531)	20 x 10 <sup>-6</sup> cm/cm/°C	11 x 10 <sup>-6</sup> in/in/°F
Thermal Compatibility to Concrete	(ASTM C 884)	Passes	
Impact Resistance	(ASTM D 2794)	Greater than Concrete	
Taber Abrasion H-18/250 gm wt/500 cycles	(ASTM D 4060)	75 mg Maximum Weight Loss	
Maximum Temperature (Dependent on service) (Water Immersion)	Continuous Intermittent	66°C 93°C	150°F 200°F
Shelf life (unopened containers)	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		