

# Product Datasheet: ARC NVE VC

2-Layer system, high performance modified novolac vinyl ester coating for concrete where extreme chemical resistance is required. ARC NVE Veil Coat (VC) industrial coating is designed to:

- Serve as a stand-alone, thin film coating
- Protect against a wide range of concentrated acids, organic solvents, and alkalis
- Easily apply by brush, roller, squeegee or airless spray

## **Application Areas**

- Battery Rooms
- Pickling/Plating lines
- Bleaching Areas
- Sumps, Trenches & Pits
- Chemical Containments
- Pump equipment
- Pickling Rooms
- Loading stations
- Equipment bases

### Packaging and Coverage

Nominal System Kit coverage: 9.60  $\text{m}^2$  (103.30  $\text{ft}^2$ ) at 500  $\mu m$  (20 mil) thickness

- NVE VC 2-Layer System has 3 components:
  - 1. NVE Primer Coat (PC)
  - 1 x 2.1 liter (.55 gal) container
  - Nominal DFT of 125-180 μm (5-7 mil)
  - 2. NVE Veil Coat (VC)
    - -1 x 4.8 liter (1.27 gal) container
    - Nominal WFT of 250-375 μm (10-15 mil)
  - 3. ARC CHP Catalyst
    - -1X 250 ml containers

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

#### Colors: Red or Gray

\* Available from our EME Manufacturing Facility only Maintain transport temperature below 24°C (75°F)





#### **Features and Benefits**

- Resistant to concentrated chemicals i.e. Alkalis, Acids & Solvents
  - Selection with confidence
  - Covers a broad range of chemical exposures
- Specialized blend of reinforcements
  - Long term resistance to permeation
- Thin film system or as a seal coat for ARC NVE TC
  - Versatile coating
  - Serves multiple applications
- Deep penetrating primer system
  - Promotes exceptional adhesion
  - Concrete cohesively fails before coating

Technical Da	ata				
Composition	NVE PC	A low viscosity modi	A low viscosity modified epoxy novolac vinyl ester resin reacted with catalyst		
NVE VC Matrix		A modified epoxy novolac vinyl ester resin reacted with catalyst			
NVE VC Reinforcement		A proprietary blend of permeation resistant, inert particles			
Cured Density			1.1 g/cc	9.25 lb/ cu.ft.	
VOC		EPA 24	0.07 kg/l	0.55 lb/gal	
Pull-Off Adhesion		(ASTM D 4541)	>38 kg/cm² (3.8 MPa)	551 psi	
Service Temperature		Wet Dry	130°C 200°C	266°F 392°F	
Shelf life (unopened containers)		1 year [transported a	1 year [transported and stored between 10°C (50°F) and 24°C (75°F)]		



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