

## CXE-403 Epoxy Coating

Technical Data Sheet CXE-403

### **FOR PROFESSIONAL USE ONLY**

This product is intended for use by professional installers. For best project results read all the applicable product information including MSDS, Technical Data Sheet and Product Specification Sheet before using this product.

### **Product Description**

CXE-403 is a two component, high solids, novolac epoxy coating that provides excellent chemical resistance to concentrated acids, caustics and some solvents. Capable of withstanding 98% Sulfuric Acid and 85% Phosphoric Acid.

### **Product Application**

Excellent for secondary containment, chemical plants, pharmaceutical facilities and paper and pulp mills.

### **Benefits**

- Solvent Free, Low Odor, VOC Compliant
- U.S.D.A. Compliant
- Excellent Chemical Resistance even to 98% Sulfuric Acid
- Excellent Wear Resistance
- Excellent Impact and Abrasion Resistance
- D.O.T. Non-Hazardous Material

### **Packaging/Coverage**

#### 1 Gallon Kit

80 SF (at 20 mils) or 250 SF (at 6.4 mils)

#### 4 Gallon Kit

320 SF (at 20 mils) or 1,000 SF (at 6.4 mils)

Also available in Bulk Kits

### **Surface Preparation**

Proper surface preparation is critical. The area should be cleaned of all oil, grease, etc. and be mechanically prepared by shot blasting, grinding, or scarifying.

### **Mixing Directions**

Mix Part A and Part B together with a Jiffy blade for approximately one minute. Be careful not introduce excess air into the material. Make sure bottom and sides of bucket are scraped to ensure complete mixing.

### **Application Instructions**

Apply the material onto the floor with a roller or squeegee to the manufacturer's recommended coverage.

### **Cure Times at 73°F**

#### Regular Cure

Pot Life	35-45 Minutes
Re-Coat	15 Hours
Foot Traffic	15 Hours
Forklift Traffic	48 Hours
Full Chemical Resistance	7 Days

#### Fast Cure

Pot Life	25-35 Minutes
Re-Coat	6 Hours
Foot Traffic	6 Hours
Forklift Traffic	48 Hours
Full Chemical Resistance	7 Days

### **Colors**

Available in Corvixx Polymers 10 Standard Colors. Specialty colors available upon request, additional charges may apply. If applied in White a moderate yellowing will occur over time.

### **Storage/Shelf Life**

Materials should be stored at 50°F – 90°F and out of direct sunlight. Shelf life is one year in unopened containers.

### **Safety**

Please read MSDS before using this product.

### **Cleanup**

Clean mixing and application tools immediately with warm soapy water.

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## Physical Properties

Density (lbs./gallon)	Mixing Ratio by Volume
Part A: 12.5	Part A:Part B – 2:1
Part B: 8.7	
Mixed A & B: 10.06	
VOC's – 62.41 g/L per ASTM D-2369-01	

Set Times (Slab Temp)	50°F.	73°F.	90°F.	Set Times (Slab Temp)	50°F.	73°F.	90°F.
REGULAR CURE				FAST CURE			
Pot Life	1 Hour	35-45 Min.	20-30 Min.	Pot Life	45 Min.	25-35 Min.	15-20 Min.
Foot Traffic	18 Hours	15 Hours	12 Hours	Foot Traffic	12 Hours	6 Hours	4 Hours
Forklift Traffic	72 Hours	48 Hours	24 Hours	Forklift Traffic	72 Hours	48 Hours	24 Hours
Full Chemical Resistance*	9 Days	7 Days	5 Days	Full Chemical Resistance*	9 Days	7 Days	5 Days

\*Refer to Chemical Resistance Chart

ASTM	TEST METHOD	Liquids Only
D695	Compressive Strength	7400 psi
D695	Percent Compressive Resiliency	50%
	Ratio of Force to % Resiliency	170:1
D695	Compressive Strength @ Yield	3500 psi
D695	Percent Compressive Resiliency @ Yield	11%
D790	Flexural Strength	4700 psi
D790	Flexural Modulus of Elasticity	1,80 x 10 <sup>5</sup>
D638	Tensile Strength	1800 psi
D638	Percent Tensile Elongation	13%
	Ratio of Tensile Stress to % Elongation	112:1
D4541	Bond Strength to Concrete	Failure in Concrete
C884	Thermal Compatibility to Concrete	No Delamination
C413	Absorption Unfilled	0%

## Limitations/Precautions

During installation and initial cure, substrate and air temperature must be at least 40°F.

## Warranty

Corvixx Polymers Corporation warrants our products to be free of manufacturing defects. Liability for products proven defective is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Corvixx Polymers Corporation. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CORVIXX POLYMERS CORPORATION, EXPRESSED OR IMPLIED.