

CXE-203 Coating

Technical Data Sheet CXE-203

FOR PROFESSIONAL USE ONLY

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

Product Description

CXE-203 is a two component, 100% solids epoxy coating available in Regular Cure, Fast Cure and Extra Fast Cure.

Product Application

Food Plants, Breweries, Commercial Warehouses, Manufacturing Facilities and Retail Stores.

Benefits

- Solvent Free, Low Odor, VOC Compliant
- U.S.D.A. Compliant
- Meets ASTM C-884 (Thermal Compatibility with Concrete)
- Very Good Chemical Resistance
- Excellent Wear Resistance
- Excellent Impact and Abrasion Resistance
- Can Withstand up to 180°F Constant Temperature and 200°F Intermittent
- Can Be Applied at Temperatures as low as 32°F

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 | 25-30 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.

Priming

CXE-203 is resin-rich and does not need a primer on sound concrete. However, to help reduce outgassing, blistering and dry spots, we recommend first priming with CXE-200 or CXE-600 Water-Based Primer.

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 SDS before using this product.

Cleanup

Clean mixing and application tools immediately with warm soapy water.

Physical Properties

| Density (lbs./gallon) | Mixing Ratio by Volume |
|------------------------------|-------------------------------|
| Part A: 11.66 | Part A:Part B – 2:1 |
| Part B: 8.41 | |
| Mixed A & B: 10.04 | |
| VOC's – 7.22 g/L | |

| 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 | 7500 psi |
| D695 | Percent Compressive Resiliency | 48% |
| | Ratio of Force to % Resiliency | 160:1 |
| D695 | Compressive Strength @ Yield | 3400 psi |
| D695 | Percent Compressive Resiliency @ Yield | 9.8% |
| D790 | Flexural Strength | 4900 psi |
| D790 | Flexural Modulus of Elasticity | 1.80 x 10 ⁵ |
| D638 | Tensile Strength | 2050 psi |
| D638 | Percent Tensile Elongation | 17% |
| | Ratio of Tensile Stress to % Elongation | 109:1 |
| D2240-86 | Hardness, Shore D | 80 |
| D1044 | Taber Abrasion, CS17, 1000 g, 1000 cycles | 60 mg loss |
| D4541 | Bond Strength to Concrete | Failure in Concrete |
| C884 | Thermal Compatibility to Concrete | No Delamination |
| C413 | Absorption Unfilled | 0% |

Viscosity (Using LV.DV1=Viscometer at 73°F)

Part A: 5,000 – 6,500 cps Using 4 Spindle at 10 RPM
 Part B: 100 – 300 cps Using 4 Spindle at 100 RPM
 A & B Mixed: 750 – 1,000 cps Using 4 Spindle at 100 RPM

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.