



## **CE335 EPOXY PENETRATING SEALER**

### **100% SOLIDS EPOXY PENETRATING SEALER**

**ITEM NUMBER** CE335

#### **DESCRIPTION**

CE335 Epoxy Sealer is a two-component, 100% solids, moisture insensitive, low viscosity, low modulus epoxy penetrating sealer. It meets the current ASTM C881 and AASHTO M235, Type III, Grade 1, Classes B & C specifications.

#### **INDUSTRY USES**

Use to seal cracks on bridge decks, slabs, and floors to prevent the intrusion of chlorides and moisture. Can be used as a single-application healer/sealer or as a pre-treatment prior to thin epoxy overlay.

#### **FEATURES AND BENEFITS**

- May be used on damp or dry surfaces
- High elongation epoxy binder
- Low viscosity, high penetrating
- Convenient 1:1 mix ratio by volume
- Made in America

#### **COVERAGE:**

40-200 sq ft / gallon (1.0-5.0 m<sup>2</sup> /L) depends on porosity of concrete.

#### **PACKAGING**

- 2 gal / 7.6 L units
- 10 gal / 38 L units
- 500 gal / 1900 L units

#### **TECHNICAL DATA**

Shelf Life:	2 years year in original unopened container.
Storage Conditions:	40° F – 95° F (5° C – 35° C)
Condition material to:	65° F – 85° F (18° C – 29° C) before using.
Mix Ratio	1:1 by volume
Viscosity (ASTM D2393)	200-300 cps
Gel Time (60 g mass)	20 minutes
Tack Free Time (73° F or 23° C)	3 to 5 hours
Tensile Properties (ASTM D638), 7 day cure	Tensile Strength 2,500 psi (17.2 MPa) Tensile Elongation: 75%
Bond Strength (ASTM C882)	2 day cure: 1,500 psi (10.3 MPa) 14 day cure: 2,000 psi (13.8 MPa)
Compressive Properties (ASTM D695), 7 day cure	Compressive Strength: 3,000 psi (20.9 MPa) Compressive Modulus: 90,000 psi (620 MPa)
Bond Strength (ASTM C1583/ACI 503R)	300 psi (2.0 MPa)
Shrinkage on Cure (ASTM D2566)	0.002
Thermal Compatibility (ASTM C884)	Pass
Water Absorption (ASTM D570)	0.2% (24 hr)
Chloride Ion Permeability (AASHTO T277)	0.0 coulomb

#### **LIMITATIONS**

Minimum substrate temperature is 40° F (5° C). Do not thin. Solvents will prevent proper cure.



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### **APPLICATION**

**MIXING:** Mix only the amount of material that can be used within its pot life. Proportion equal parts by volume of each component (1 part A to 1 part B) into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600rpm). Move the mixer around in the mixing container to scrape the sides and bottom to ensure blended thoroughly. Keep mixer submerged in liquid while mixing to avoid entrapping air into the mixture.

**PLACEMENT:** Use a squeegee or broom by maintaining a liquid head over the cracks to spread epoxy. Continue the application over the cracks until refusal. Broadcast oven-dried aggregate to allow even coverage and provide skid resistance.

**SQUEEZE BOTTLE:** Mix product as directed. Fill a disposable squeeze bottle with mixed material and replace cover. Dispense material into cracks until they no longer accept more product. Broadcast very fine sand or concrete dust to rejection onto any exposed wet epoxy. Allow epoxy to attain initial cure (tack free) and remove excess sand or concrete dust by vacuuming or blowing.

### **CLEAN UP**

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with Natural Clean or other approved solvent. Cured material can only be removed mechanically.

### **LIMITED WARRANTY**

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