



CE330 DEMARC PRO

DEMARCATION EPOXY BINDER

ITEM NUMBER CE330D

DESCRIPTION

CE330 DEMARC PRO Epoxy Binder is a two-component, 100% solids, moisture-tolerant, low to medium viscosity, high strength, low modulus, multi-purpose liquid epoxy binder formulated for use with colored crushed glass and other aggregates. Apply to approved substrates with approved aggregates to reduce pedestrian, cyclists and vehicular incidents. Add increased awareness, friction, aesthetics, safety and long term durability.

WHERE TO USE

Used as an epoxy binder for pavements on portland cement concrete, asphalt pavements and other approved substrates. Use for demarcation on bike, bus, toll lanes in combination with colored aggregate. ADA applications, cross walks, toll lanes, on/ off ramps, comfort zones, shoulders, surface signage, sidewalks, office complexes, parking lots, urban regeneration projects, parking decks, landscape engineering designs, driveways.

ADVANTAGES

- High strength, low modulus epoxy binder
- Quick to install. Open to traffic in 3 hours at 70°F.
- Highly durable with a proven track record
- Technical support 24/7 from experienced technicians
- Agency independent testing lab certification
- Apply by hand or machine
- Low maintenance
- Convenient 1:1 mix ratio by volume
- Made in the USA

ESTIMATED COVERAGE

Please contact the technical department as pavement surface varies in texture, coverage rate guidance will be based upon the data provided. Application rates will vary based on substrate.

Epoxy Binder: 25 - 40 sq. ft. / gallon (.61 - .98 m² /L)

Colored Glass / Aggregate Rate: 2 – 2.5 lb. / sq. ft. (9.76 – 12.20 kg/sq. m)

PACKAGING

- 600 ml cartridge
- 2 gal / 7.6 L pails
- 10 gal / 38 L pails
- 500 gal / 1,893 L totes

TECHNICAL DATA

Shelf Life:	2 years 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	1,500 cps @ 77°F
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:	40%
Bond Strength (ASTM C882)	
2-day cure:	2,000 psi (13.8 MPa)
14-day cure:	2,500 psi (17.2 MPa)
Bond Strength (ASTM C1583/ACI 503R)	300 psi (2.0 MPa), 100% substrate failure



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Compressive Strength (ASTM C579)	3-hour cure: 7-day cure:	1,500 psi (10.3 MPa) 5,000 psi (34.5 MPa)
Flexural Strength (ASTM D790)		3,000 psi (20.9 MPa)
Shrinkage on Cure (ASTM D2566)		0.2%
Thermal Compatibility (ASTM C884)		Pass
Heat Deflection Temperature (ASTM D648)		120°F (49°C)
Water Absorption (ASTM D570)		0.2% (24 hr.)
Chloride Ion Permeability (AASHTO T277)		0.0 coulomb

TEMPERATURE (°F)	60	65	70	75	80
MINIMUM CURING TIME (HRS)	6	5	4	3	3

APPLICATION

The colored aggregate and polymer resin binder shall be dispensed equally across the entire application surface in a manner that covers the surface area to be treated at the mil thickness of 50 - 60 mils without any breaks, swirls, ridge lines or differential thickness of the polymer resin binder over the area being treated. The colored aggregate shall simultaneously cover the polymer resin binder at a rate of 17 - 19 lbs. per square yard.

Do not place the demarcation surface treatment if the material cannot be applied and cured within 2.5 hours of placement and opened to traffic. Please refer to Cornerstone Construction Material, LLC for a list of approved installers nationally.

LIMITATIONS

Minimum substrate temperature is 50°F (10°C). Do not thin. Solvents will prevent proper cure. Use oven-dried aggregate. Material is a vapor barrier after cure.

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 CE Natural Clean or approved solvent. Cured material can only be removed mechanically.

LIMITED WARRANTY

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