



CE330 DEMARC PRO

COLORIZED DEMARCATION SYSTEM

DESCRIPTION

FasTrac CE330 Demarc Pro Colorized Demarcation System includes a two-component, 100% solids, moisture-tolerant, high strength, low modulus, multi-purpose epoxy binder and specialized colored aggregates. This system adds increased awareness, improved friction, aesthetics, safety and long term durability.

USE

The system is used to provide colorized demarcation of HOV lanes, bus lanes, bike lanes, toll lanes, handicap parking, ADA identification pedestrian walkways and other applications where colored demarcation of pavement is required. 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.

FEATURES

- High strength, low modulus epoxy binder
- Long lasting, durable colored aggregates
- Rapid cure return to traffic formula
- Expert technical support
- Independent testing lab certification
- Convenient 1:1 mix ratio by volume
- Hand or machine application
- Low maintenance
- Made in the USA

PACKAGING AND YIELD

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

ESTIMATED COVERAGE

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

Epoxy Binder: 25-30 sq. ft./gallon (0.61-0.73 m²/L)

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

PHYSICAL PROPERTIES

Shelf Life: 2 years in original unopened containers

Storage Conditions: 40°F-95°F (5°C-35°C)

Conditioning: 65°F-85°F (18°C-29°C) before using

Mix Ratio: 1:1 by volume

Viscosity: 1,500 cP

Gel Time (60g): 18 minutes

Shore D Hardness: 70

Tack Free Time: (75°F/24°C): <3 hours

Tensile Strength (ASTM D638): 2,800 psi (19.3 MPa)

Tensile Elongation (ASTM D638): 40%

Bond Strength (ASTM C882): 2 day cure 2,000 psi (13.8 MPa)
14 day cure 2,800 psi (19.3 MPa)

Compressive Strength (ASTM C579): 3 hour cure 1,500 psi (10.3 MPa)
24 hour cure 5,000 psi (34.5 MPa)

Bond Strength (ASTM C1583/ACI 503R): 300 psi (2.0 MPa)

Flexural Strength (ASTM D790): 3,000 psi (20.9 MPa)

Shrinkage (ASTM D2566): 0.2%

Thermal Compatibility (ASTM C884): Pass

Heat Deflection Temperature (ASTM D648): 120°F (49°C)

Absorption (ASTM D570): 0.2% (24 hr)

Chloride Ion Permeability (AASHTO T277): 0.0 coulombs

COLORLED AGGREGATE

The specialized colored aggregate used in the system provides high contrast, UV resistant, durable and long lasting demarcation. Available colors: Bus Lane Red, Bike Lane Green, Toll Lane Purple, ADA Blue, Plaza Decorative Mix

CURING TIME (HRS.)

Temperature (°F): 40 45 50 55 60 65 70 75 80 90 100

CE330 Demarc Pro: 17 13 11 9 7 6 4.5 3.5 3 2.5 1.5

APPLICATION

SURFACE PREPARATION:

General Guidance Recommendation

Surface must be clean and sound. Surface should be visibly dry. No standing water. Concrete moisture content must be less than 5% when measured using a multi-pin moisture meter.

Remove dust, laitance, grease, curing compounds, impregnations and other contaminants. Concrete surfaces should be shot blasted to a CSP 3-5 per ICRI.

Condition material to 65°F - 85°F (18-29°C) for optimum application. Minimum age of concrete 21- 28 days, depending on mix design.* Minimum age of asphalt is 30 days and 75% aggregate exposure.*

**Consult Cornerstone Construction Material Technical Services for applications outside these parameters.*

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 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.

LIMITATIONS

Minimum substrate and ambient temperature is 50°F (10°C) for all applications. Maximum substrate and ambient temperature is 95°F (35°C) for hand mix or semi-automated installations. 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



CE330 EPOXY BINDER

LOW MODULUS EPOXY POLYMER BINDER

regulations. Uncured material can be removed with Natural Clean or other approved solvent. Cured material can only be removed mechanically.

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MANUFACTURER

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