

FasTrac® CE330

Low Modulus Epoxy Binder

Description

FasTrac CE330 is a two component, 100% solids, epoxy binder for high friction surface treatments (HFST), thin polymer overlays and general pavement and bridge deck repairs. A fast turnaround, low modulus binder system, FasTrac CE330 may be opened to traffic in as little as 2 to 3 hours after placement, used on concrete or asphalt substrates and meets the requirements of ASTM C 881 and AASHTO M235 Type III, Classes B and C.

Uses

- High-Friction Surface Treatment
- Bridge Deck Thin Polymer Overlays
- Spall Repairs
- Runways & Taxiways

Features & Benefits

- Rapid Return to Traffic
- Zero Shrinkage
- Exceptional Tensile Elongation
- Zero Chloride Penetration
- Self-Priming

Physical Properties

Physical Properties at 23.80°C		
TEST METHOD		RESULTS
Viscosity		1500 cp
Gel Time		15 minutes @ 21°C
ASTM D2240 Shore D Hardness		65 - 80
ASTM D638 Tensile Strength		19.3 MPa
ASTM D638 Tensile Elongation		40% + / - 5%
ASTM C882 Bond Strength	2 Days	13.8 MPa
	14 Days	19.3 MPa
ASTM D 2566 Shrinkage		0.2%
ASTM C 884 Thermal Compatibility		PASS
ASTM D 570 Absorption		0.2% (24 hours)
AASHTO T 277 Chloride Ion Permeability		0.0 Coulombs
ASTM 579 Compressive Strength	3 Hours	10.3 MPa
	24 Hours	34.5 MPa

Cure Time											
	4.4°C	7.2°C	10°C	12.8°C	15.6°C	18.3°C	21.1°C	23.9°C	26.7°C	29.4°C	32°C
CE330 Std	16 hrs	12 hrs	10 hrs	8 hrs	6 hrs	5 hrs	4 hrs	3 hrs	2.5 hrs	2 hrs	1.5 hrs
CE330 Accel	12 hrs	10 hrs	8 hrs	6 hrs	4 hrs						
CE330 Low Temp	8 hrs	6 hrs	5 hrs	4 hrs	3 hrs						



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Application Guidelines

SURFACE PREPARATION

Condition surfaces to between 18.3°C and 29.4°C for best results. Minimum substrate temperature is 10°C. Concrete surfaces should be structurally sound and mechanically profiled to a Concrete Surface Profile (CSP) of 3 to 5 in accordance with ICRI Standard 310.2R. For asphalt substrates, remove all markings and paints. Mechanically prepare asphalt surfaces to a 75% aggregate exposure. All loose, broken, or unsound materials must be removed. Blow out surfaces of dust, debris, and all bond inhibiting contaminants. Surfaces should be dry and free of all standing water prior to product installation. Substrate moisture content should be 5% or lower at time of application for optimal results.

MIXING

Material components should be between 18.3°C and 29.4°C for the best results. Heating of components may be required to ensure traffic open times are met after installation. All mixing should be done at a 1:1 ratio. Use automated mixing equipment such as FasTrac EP1500 Epoxy Pump System or modified volumetric truck for larger applications. Mixing equipment should be able to automatically monitor mix ratios and provide batch records of each component used. Small applications may be hand mixed using a drill and paddle and suitable sized container. Contact FasTrac Construction Products for further details and technical assistance.

INSTALLATION

Discharge or pour FasTrac CE330 HPC into the repair area and squeegee, roll or broom out uniformly across the entire repair area. Ensure all surfaces to be repaired are fully wetted with mixed material. For high friction surface treatments, immediately broadcast high friction aggregate (bauxite or similar) uniformly across all wetted surfaces until no bare spots appear. Follow project specifications where applicable for broadcast rates. Sweep or vacuum excess broadcast aggregate from surfaces once material has achieved proper or specified strength.

CURING

FasTrac CE330 is a self-curing material. Colder curing temperatures (below 10°C) will decrease strength development and increase time to traffic. Do not allow exposure to rain or freezing temperatures until required strengths are achieved. Product is a vapor barrier once cured.

CLEAN UP

All surfaces, tools and equipment may be cleaned with FasTrac Natural Clean or solvent based cleaner prior to material setting.

Coverage & Yield

- 600 ml Cartridge
- 7.6 L unit
- 38 L unit
- 1,893 L unit

Shelf Life & Storage

Shelf life: 2 years from date of manufacture when stored in dry weatherproof conditions.
Storage Temperatures: 4.4°C to 35° C.



EDITION: 00126INF

Technical Data Sheet

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Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained, experienced and competent in the use of epoxy grouting products. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the suitability of the product for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

