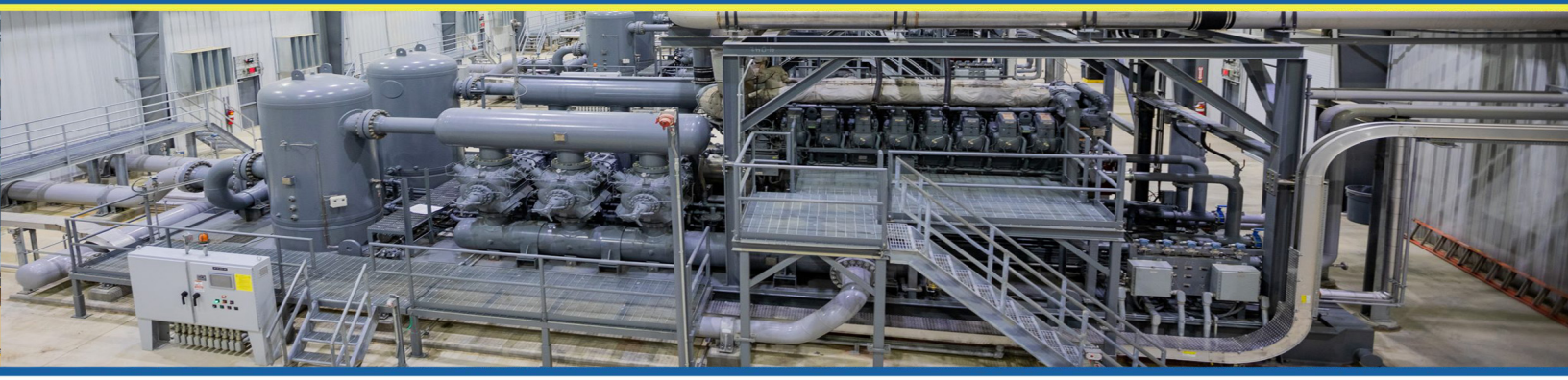
FasTrac CE820 Black Epoxy Chock

ELEVATED TEMPERATURE EXPOSURE EPOXY CHOCK



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac CE820 Black Epoxy Chock is a high-performance chocking solution designed to offer exceptional mechanical properties to secure and align machinery and equipment. The two-component system provides very high compressive strengths, outstanding tensile and bond strengths ideal for high stress applications under rotating and reciprocating machinery. Designed specifically for higher temperature exposure, CE 820 Black Epoxy Chock will maintain precise alignment of critical machinery under high stress, high temperature operating conditions.

APPLICATIONS

- Compressors
- Generators
- Steel Soleplates
- Chocking of machinery subject to high loads
- Chocking of machinery subject to high operating temperatures
- Anchor bolt grouting

FEATURES

- Very high early and ultimate compressive strengths
- High bond strengths to steel, concrete
- Excellent effective bearing area
- Oil and chemical resistance
- Highly pourable
- Soap and water clean up

SURFACE PREPARATION

All concrete surfaces shall be mechanically roughened to a Concrete Surface Profile (CSP) of 5 to 10 in accordance with International Concrete Repair Institute Guideline 310.2R, Selecting and Specifying Surface Preparation for Sealers, Coatings, Polymer Overlays and Concrete Repair. Metal surfaces shall be clean and free of any primers, grease and other bond inhibiting contaminants. A blasted metal surface profile will maximize chock bond to steel surfaces. All surfaces must be completely dry before installation of chock. Where chocks are to be removed later, an appropriate bond breaker (grease, wax) shall be used on all chock contact surfaces.

FORMWORK

Formwork shall be constructed individually for each chock area using plywood, closed cell foam or similar material. Caulk all joints to a water-tight condition. Coat all internal surfaces with a suitable release agent such as paste wax to ensure easy removal. Where necessary, form should extend 1 inch over top of chock elevation to allow overpour.

MIXING

Chock components should be between 65°F and 85°F (18.3° and 29.4°C)) for best results. Pour all of Component B (hardener) into pail containing Component A (Resin). Slowly mix components with a drill and paddle attachment. Do not whip air into liquids. Mix for 2 to 3 minutes and use immediately after mixing.

INSTALLATION

Place chock into formed area from one side. Pour chock to full depth of application unless otherwise instructed.

CURING

Chock is self-curing at normal temperatures. DO NOT WET CURE. Chock must be protected from rain, freezing temperatures, and rapid temperature changes for a minimum 24 - 48 hours after placement depending upon strength requirements.

www.fastracproducts.com
816-380-4747
sales@fastracproducts.com
Lee's Summit, MO 64081

FasTrac CE820 Black Epoxy Chock

ELEVATED TEMPERATURE EXPOSURE EPOXY CHOCK

PACKAGING AND YIELD

0.10 Cubic Foot Unit (.00283 m^3) – Part A and Part B premeasured containers
0.50 Cubic Foot Unit (.0141 m^3) – Part A and Part B premeasured containers

PHYSICAL PROPERTIES

Appearance: Component A - Black, Component B - Clear
Shelf Life: 2 years in original unopened container. Storage Conditions: Store at 40° F – 95° F (4.4° C – 35° C). Condition material to 65° F – 95° F (18.3° C – 35° C) before using.

TYPICAL PROPERTIES at 75° F (23.8° C)			
TEST METHOD		**RESULTS**	
ASTM D695 Compressive Strength			
	6 Hours	10,500 psi (72.4 MPa)	
	1 Day	15,500 psi (106.9 MPa)	
	7 Days	18,000 psi (124.1 MPa)	
ASTM D695 Compressive Modulus		800,000 psi (5517 MPa)	
ASTM D638 Tensile Strength		4,200 psi (28.9 MPa)	
ASTM C580 Modulus of Elasticity		1,700,000 psi (11724 MPa)	
ASTM C580 Flexural Strength		6,800 psi (46.9 MPa)	
ASTM C882 Bond Strength		3,700 psi (25.5 MPa)	
ASTM D2583 Barcol Hardness		45 -55	
ASTM D256 Impact Strength		6.5 in-lbs./in. (0.29 N-mm/cm)	
ASTM D635 Fire Resistance		Self-Extinguishing	
ASTM C531 Linear Shrinkage on cure		0.0002 in/in (0.02%)	
ASTM C531 Coefficient of Thermal Expansion		15 x 10-6 in /in/°F (27 x 10-6 mm/mm/°C)	
Pour Depth at 75° F		½ inch to 2 inches (12 mm to 50 mm)	
Curing Temperature		**Working Time**	**Initial Cure Time**
	65° F / 18.3° C	60 minutes	36 hours
	70° F / 21° C	45 minutes	24 hours
	75° F / 23.8° C	30 minutes	18 hours
	80° F / 26.7° C	25 minutes	12 hours
	85° F / 29.4° C	20 minutes	8 hours
	90° F / 32° C	15 minutes	6 hours
	95° F / 35° C	10 minutes	4 hours

HEALTH AND SAFETY INFORMATION

Product contains epoxy resin and amines. Wear proper PPE when using this product, including gloves, eye and skin protection and NIOSH / MSHA approved respirator or dust mask. Read SDS thoroughly before use. Prop 65: This product contains chemicals known by the state of California to cause cancer.

LIMITED WARRANTY

LIMITED WARRANTY All information provided by Cornerstone Construction Material LLC (CCM) concerning CCM products, including but not limited to, any recommendations and advice relating to the application and use of CCM products, is given in good faith based on CCM's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions in accordance with CCM's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of CCM's control are such that CCM assumes no liability for the provision of such information, advice, recommendations, or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations, or instructions related to its products. The user of the CCM product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). CCM reserves the right to change the properties of its products without notice. All sales of CCM product(s) are subject to its current terms and conditions of sale. Prior to each use of any CCM product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available at www.ccmaterial.com. Nothing contained in any CCM materials relieves the user of the obligation to read and follow the warnings and instructions for each CCM product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use. CCM warrants this product for one year from the date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet when used in accordance with the written instructions. User determines suitability of product for intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CCM SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CCM SHALL NOT BE REPSONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac CE820 Black Epoxy Chock" product and in the information which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Cornerstone Construction Material LLC (CCM) makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Construction Material LLC (CCM) shall have no other liability with respect thereto. Any claim regarding a product defect must be received in writing within one year of the date of shipment. No claim will be considered without such written notice or after the specified time interval. The User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Cornerstone Construction Material LLC (CCM) technical manager.

Cornerstone Construction Materials · 1150 SE Hamblen Road, Lee's Summit, MO 64081

Revised:
4-30-2025_SR