



# 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.



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## PACKAGING AND YIELD

0.10 Cubic Foot Unit (.00283 m<sup>3</sup>) – Part A and Part B premeasured containers

0.50 Cubic Foot Unit (.0141 m<sup>3</sup>) – 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

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