



# FasTrac CE820 Gray Epoxy Chock

ELEVATED TEMPERATURE EXPOSURE EPOXY CHOCK



## Technical Data Sheet

### PRODUCT DESCRIPTION

FasTrac CE820 Gray Epoxy Chock is a two-component epoxy chock for setting critical process machinery and equipment. CE 820 Gray provides excellent tensile and compressive strength properties and is designed to ensure and maintain long term critical alignment of equipment. As a two-component system, CE820 Gray is easy to use, mix and place into chock and similar type installations. A highly versatile material, CE820 Gray may be used for chocking, anchoring and high load applications.

### APPLICATIONS

- Compressors
- Pumps
- Steel to Steel Chocking
- Applications subject to high loads
- Anchor / dowel grouting

### FEATURES

- High ultimate compressive strengths
- Excellent bond to steel, concrete
- Excellent effective bearing area
- 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°C 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 change 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 - Gray, Component B - Clear

Shelf Life: 2 years in original unopened container. Storage Conditions: Store at 40° F – 95° F (4° C – 35° C). Condition material to 65° F – 85° F (18° C – 29.4° C) before using.

TYPICAL PROPERTIES at 75° F (23.8° C)			
TEST METHOD		RESULTS	
ASTM D695 Compressive Strength		6 Hours	12,000 psi (82.7 MPa)
		1 Day	15,000 psi (103.4 MPa)
		7 Days	17,000 psi (117.2 MPa)
ASTM D695 Compressive Modulus		700,000 psi (4827 MPa)	
ASTM D638 Tensile Strength		4,000 psi (27.6 MPa)	
ASTM C580 Modulus of Elasticity		1,500,000 psi (10345 MPa)	
ASTM C580 Flexural Strength		6,500 psi (44.8 MPa)	
ASTM C882 Bond Strength		3,500 psi (24.1 MPa)	
ASTM D2583 Barcol Hardness		35 - 45	
ASTM D256 Impact Strength		6.9 in-lbs./in. (0.31 N-mm/cm)	
ASTM D635 Fire Resistance		Self-Extinguishing	
ASTM C531 Linear Shrinkage on cure		0.0002 in/in (0.002%)	
ASTM C531 Coefficient of Thermal Expansion		17 x 10-6 in /in/°F (30.6 x 10-6 mm/mm/°C)	
Pour Depth at 75° F		½ inch to 2 inches (13 mm to 50 mm)	
Curing Temperature		Working Time	Initial Cure Time
65° F / 18.3° C		45 minutes	24 hours
70° F / 21° C		30 minutes	18 hours
75° F / 23.8° C		25 minutes	12 hours
80° F / 26.7° C		20 minutes	8 hours
85° F / 29.4° C		15 minutes	6 hours
90° F / 32° C		10 minutes	4 hours
95° F / 35° C		7 minutes	3 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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