

## GENERAL PURPOSE EPOXY MACHINE CHOCK/GROUT

### DESCRIPTION

EP20-CHOCK is a two-component, 100% solids, high-performance epoxy machine chock. It is characterized by high early and ultimate strength, high bearing area, negligible shrinkage and creep, fast cure and excellent flowability.

### APPLICATIONS

EP20-CHOCK is designed for high-stress machine base plate grouting applications in the heavy industrial equipment industries. New equipment installations or quick re-grouting applications subject to chemical attack and extreme vibration are also ideal for EP20-CHOCK. Specific industries include:

- Wind farm
- Gas transmission
- Chemical processing and refining
- Pulp and paper
- Steel rail
- Marine

### ADVANTAGES

- High impact resistance
- High early strength
- High effective bearing area (over 98%)
- Low exotherm cure for deep pour capability
- High oil and chemical resistance
- Excellent flowability
- Precision grouting with negligible shrinkage and creep
- Pre-measured units
- Low toxicity
- Easy soap and water clean up
- Designed for dynamic and static loading

### COMPLIANCES

- VOC compliant, 0 g/L
- Made in America

### PACKAGING

2.75-gallon unit

- Component A: (1) 5-gallon pail (partial fill)
- Component B: (1) ½-gallon can (partial fill)
- Both components contained within 5-gallon pail

**Appearance of Components:** A - Gray, B - Clear

**Shelf Life:** 2 years in original unopened container

**Storage:** 40°F to 95°F in dry and dark conditions

**Temperature Considerations:** **IMPORTANT!** Epoxy Resins are temperature sensitive and care should be taken to condition all components to between 65°F to 85°F for a minimum of 24 hrs. prior to mixing and placement. Temperatures colder than stated range increase viscosity of resins and inhibit mixing and flow of materials. Temperatures warmer than stated range decrease viscosity of resins, hasten the cure and reduce the working time. Mixing and curing at less than ideal temperatures, <60°F or >95°F, will require special considerations.

### YIELD

2.75-gallon unit covers 635 cubic inches

### CURE TIME

Refer to Test Data

11/20/2017

### INSTALLATION

**Surface Preparation:** Concrete shall have reached its design strength and be dimensionally stable prior to placement of EP20-CHOCK. All surface contamination must be removed by mechanical means, creating a surface profile of exposed sound aggregate that will provide a strong bond surface for the EP20-CHOCK. All metal surfaces to come in contact with the chock should be sandblasted to white metal finish and wiped clean with solvent. Items not intended to bond to chock, such as leveling screws, wedges and bolts must be protected with wax, caulk, duct tape or similar.

**Forming:** A minimum of two coats of industrial grade paste wax to facilitate removal of forms after cure. Forms should have 45° angle chamfer strips at all vertical corners and horizontal chock grade elevation in order to eliminate sharp corners. Caulk or similar sealant should be used to render the forms "watertight". Foundation bolts, shims and jacking bolts should be wrapped with 1/8" layer of weather stripping. Expansion joints shall be used every 4 feet in each direction to minimize the potential for cracking in epoxy chock. **MACHINERY MUST BE IN FINAL ALIGNMENT POSITION PRIOR TO POURING EP20-CHOCK.**

**Mixing:** Both Component A and Component B should be conditioned to 65°F to 85°F for at least 24 hours before use. Pour Component B into the Component A container and mix thoroughly for 3 to 4 minutes with a low speed drill at 300 rpm using a Jiffy mixer. Keep the mixer completely submerged to prevent air entrainment. Scrape material completely from around the sides and bottom of the container with blade while mixing to ensure a complete and uniform mix.

**Placement:** Always pour EP20-CHOCK from the lowest side of the chock area, which will force air to escape through the opposite corner. Continue to pour slowly until the entire chock area is filled and the chock over pour area is filled to a level approximately ½" above the bottom of the bedplate. Do NOT scrape unmixed settled material from container, place only what mixed material easily flows from container.

**After Cure:** At the completion of the curing cycle, the temperature shall be lowered slowly, no more than 40°F in 48 hours to avoid the possibility of damage due to sudden contraction.

### LIMITATIONS

- For professional use only
- Do not thin with solvents
- Do not mix partial kits
- Typical grouting depth is one to three inches. For pour depths greater than three inches, contact an E-Chem representative regarding the use of Aggregate Extender.
- Substrate temperature should be a minimum of 50°F.
- Consult E-Chem representative when mixing or placing outside of the temperature recommendations listed.

### CLEAN UP

**EQUIPMENT:** Uncured material can be removed with C-Clean100 or approved solvent. Cured material can only be removed mechanically.

### GENERAL PURPOSE EPOXY MACHINE CHOCK/GROUT

**MATERIAL:** Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations.

#### **CAUTIONS**

##### **READ SDS PRIOR TO USING PRODUCT!**

- Component A: Irritant
- Component B: Corrosive
- Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves recommended.
- Use in a well-ventilated area and avoid breathing vapors
- Use of a NIOSH/MSHA organic vapor respirator recommended if ventilation is inadequate.
- Avoid eye contact
- Avoid skin contact

#### **FIRST AID**

**EYE CONTACT:** Flush immediately with water for at least 15 minutes. Contact physician immediately.

**RESPIRATORY CONTACT:** Remove person to fresh air.

**SKIN CONTACT:** Remove any contaminated clothing.

Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

**IF INGESTED:** Do not induce vomiting. If swallowed give water to drink. Seek medical treatment immediately.

**GENERAL:** Remove contaminated soaked clothing immediately. In the event of persistent symptoms receive medical treatment.

**CURED EPOXY RESINS ARE INNOCUOUS.**

#### **WARRANTY**

This product is warranted and guaranteed to be of good quality. Manufacturer, as its sole and exclusive liability hereunder, will replace material if proved defective. This warranty and guarantee are expressly in lieu of all others, express or implied, including any implied warranty of merchantability or fitness for a particular purpose and may not be extended by representatives or any persons, written sales information, or drawing in any manner whatsoever. While the manufacturer recommends uses for the product based on tests believed reliable, no warranties, express or implied, or guarantees can be given as to particular methods of use or application, nor can performance be warranted, expressly or impliedly, or guaranteed under special conditions. Distributors, salespersons or company representatives are not authorized to extend or vary any warranties or guarantees beyond those outlined herein, nor may the manufacturer's or seller's limitation of liability be waived or altered in any manner whatsoever.