



CE820 EPOXY CHOCK

EPOXY RESIN MACHINE CHOCK

ITEM NUMBER CE820

DESCRIPTION

CE820 EPOXY CHOCK is a two-component, 100% solids, high performance epoxy machine grout. It is characterized by high early and ultimate strength, high bearing area, low exothermic, negligible shrinkage and creep, fast cure and excellent flowability. It can also use as anchor adhesive.

INDUSTRY USES

CE820 EPOXY CHOCK is ideal for high stress applications in such industries like wind turbine, gas transmission, refining, chemical processing, pulp and paper, steel rail, marine and other 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 ideal for CE820 EPOXY CHOCK. Can be used for anchoring in large annular areas and an anchoring adhesive.

TECHNICAL DATA

LABORATORY TESTS	RESULTS
Color	Dark Gray
Gel Time	30 minutes
C 579 Compressive Strength C 579 Compressive Modulus	19,000 psi 2,000,000 psi
C 307 Tensile Strength	5,000 psi
C 580 Flexural Strength C 580 Modulus Elasticity	7,500 psi 2,000,000 psi
C 882 Bond Strength	3,500 psi
C 531 Linear Shrinkage on cure	0.02%
C 531 Coefficient of Thermal Expansion	16×10^{-6} in/in/°F
D 2240 Shore D Hardness	90
C 431 Water Absorption	0.0%
D 635 Fire Resistance	Self-Extinguishing
Pour Depth at 75 of	Up to 3 inches
Initial Cure Time	
@60° F	36 hours
@65° F	24 hours
@70° F	18 hours
@75° F	12 hours
@80° F	8 hours
@85° F	6 hours
@90° F	4 hours
@95° F	3 hours

PACKAGING

3.75 gal (14.19 L) yields 864 cu. in. (14,200 cc)

Appearance: Component A- gray, 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° C – 35° C) before using.

LIMITATIONS

Typical grouting depth is half inch to 2 inches. For pour depths greater than 2 inches contact CCM technical support regarding the use of Aggregate Extender. Minimum application temperature 50°F. Do not thin. Solvents will prevent proper cure.



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SURFACE PREPARATION

Concrete shall have reached its design strength and be dimensionally stable prior to placement of CE820 EPOXY 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 CE820 EPOXY CHOCK. All metal surfaces to come in contact with grout should be sandblasted to white metal finish and wiped clean with solvent. Items not intended to bond to grout, such as leveling screws, wedges and bolts must be protected with wax, caulk, duct tape or similar.

Form Preparation: Forms should be coated with 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 grout 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 foot spacing in each direction to minimize the potential for cracking in epoxy chock. **MACHINERY MUST BE IN FINAL ALIGNMENT POSITION PRIOR TO POURING CE820 EPOXY CHOCK.**

MIXING

Resin and hardener should be conditioned to between 65° F (18° C) and 95° F (35°C) for at least 12 hours before use. Pour Part B into the Part A container and mix thoroughly for 3 to 4 minutes with a low speed drill at 200 rpm. Keep the mixer completely submerged to prevent air entrainment. Remove material completely from around the sides and bottom of the container with a spatula to ensure a complete and uniform mix.

APPLICATION

Always pour CE820 EPOXY 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 1/2 inch (12 mm) above the bottom of the bedplate.

Temperature Considerations: At the completion of the curing cycle the temperature shall be lowered slowly, no more than 40°F (4.4°C) in 48 hours to avoid the possibility of damage due to sudden contraction.

CLEANUP

Ventilate area. Confine spill. Collect with absorbent material, flush area with water. Dispose of in accordance with current applicable local, state and federal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

HANDLING PRECAUTIONS

Refer to the Safety Data Sheet for CE820 Epoxy Chock.

WARRANTY

KEEP CONTAINER TIGHTLY CLOSED – KEEP OUT OF REACH OF CHILDREN – NOT FOR INTERNAL CONSUMPTION – FOR INDUSTRIAL USE ONLY

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