



CE811 PILE JACKET GROUT

UNDERWATER EPOXY GROUT

DESCRIPTION

FasTrac CE811 Pile Jacket Grout is a three-component, 100% solids, moisture-insensitive, high strength, high modulus, long working time, multi-purpose water-displacing epoxy grout designed to cure underwater. It provides a durable encapsulation repair for concrete, timber, and steel below water. It may be poured into forms or pumped.

USE

Use for encapsulation repair and restoration for concrete, timber, and steel above and below water.

FEATURES

- Structurally restores integrity of concrete, steel, and timber
- Excellent corrosion protection
- High wet and dry strength
- Made in America
- Moisture Tolerant
- Solvent Free
- Convenient 2:1 mix ratio for liquid; adjustable aggregate loading
- Pumpable

PACKAGING AND MIX RATIO

Component A – (2) 1-gallon jug

Component B – (1) 1-gallon jug

Component C - (2-3) 50-lb bags aggregate

MIX RATIO: 3 gal /11.4 L of mixed epoxy with 100-150 lb. of aggregate yields approximately 1.1-1.5 cubic feet (31-42 liters).

APPLICATION

MIXING: Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600rpm). Scrape the sides and bottom of the container. To prepare an epoxy grout, slowly add aggregate. Mix only until all aggregate is wetted out.

Placing: Pour or pump.

SURFACE PREPARATION: Concrete shall have reached its design strength and be dimensionally stable prior to placement of CE811 Pile Jacket Grout. 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 CE811 Epoxy Grout. 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: Epoxy grouts require heavy duty forms. A sheet of 3/4" plywood and proper bracing should be used to hold the force of the weight of the grout (140 lbs/64kg per cu ft). Forms should be coated with a minimum of two coats of an industrial grade paste wax to facilitate removal of forms after cure. Forms should have 45° angle chamfer strips at all vertical comers and horizontal grout grade elevation in order to eliminate sharp comers. Caulk, putty, or similar sealant should be used to render the forms "watertight". Forms should be designed to allow for a hydraulic head to facilitate the placement of CE811 Pile Jacket Grout. Expansion joints shall be used every 4 feet spacing in each direction to mini-

mize the potential for cracking in epoxy grout.

LIMITATIONS

Minimum substrate temperature is 40°F (5°C). Do not thin. Solvents will prevent proper cure.

PHYSICAL PROPERTIES

Shelf Life:	2 years year in original uno-
Storage Conditions:	40°F – 95°F (5°C – 35°C).
Condition material to:	65°F – 85°F (18°C – 29°C) before using.
Liquid Mix Ratio	2:1 by volume
Viscosity	100-500 cps
Gel Time (200 g mass)	40 minutes
Tack Free Time (73°F or 23°C)	3-5 hours
Tensile Strength (ASTM C307), 7-day cure Wet: Dry:	1,500 psi (10.3 MPa) 2,500 psi (17.2 MPa)
Bond Strength (ASTM C882), 7-day cure Wet: Dry:	1,800 psi (12.4 MPa) 3,000 psi (20.7 MPa)
Compressive Strength (ASTM C579), 7-day cure Wet: Dry:	6,000 psi (41.4 MPa) 11,000 psi (75.9 MPa)
Tensile Bond Strength	>250 psi (1.7 MPa)
Thermal Compatibility	Pass
Linear Shrinkage (ASTM)	0.01%
Water Absorption (ASTM)	0.3% (24 hr)

CLEANUP

For uncured material, use CE Natural Clean or CE SOLV 100 may be used. Hardened material must be removed mechanically.

LIMITED WARRANTY

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MANUFACTURER

Cornerstone Construction Material, LLC
1150 SE Hamblen Rd.
Lee's Summit, MO 64081
816-380-1082
www.ccmaterial.com