



# FasTrac CE811 Pile Jacket Grout

UNDERWATER EPOXY GROUT FOR PILE JACKETS



## Technical Data Sheet

### PRODUCT DESCRIPTION

FasTrac CE811 Pile Jacket Grout is a high performance, three component epoxy grout for pile encapsulation and related marine uses. Excellent for both underwater and tidal zone applications, FasTrac CE811 Pile Jacket Grout may be pumped or poured in place.

### APPLICATIONS

- Pile Encapsulation
- Underwater Grouting
- Tidal Zone Re-Pointing
- Underwater Void Filling

### FEATURES

- Placement Versatility
- Excellent Underwater Bond Development
- Pumpable
- High Strength

### SURFACE PREPARATION

All concrete surfaces shall be free of marine growth, coatings and any substances that will prevent bonding. Underwater tools may be required to achieve a satisfactory clean and profiled condition. Maximum bond development is achieved when a clean and roughened substrate surface is attained following the Concrete Surface Profiles (CSP) detailed ICRI Standard 310.2R.

### FORMWORK

All formwork or jackets must be rigidly secured and watertight. Seal all internal joints and connections. For pile encapsulation, ensure pile jackets have appropriately sized spacers and bottom seal is strong enough and properly sealed to hold weight of grout. Strapping around jackets should be used to avoid bulging or warping of jackets during grout placement. For pumping applications, ports should be installed every 18 to 24 inches (457 mm to 609 mm) on opposing sides.

### MIXING

Mix Components A and B (Resin and Hardener) at supplied 2:1 ratio for 2 minutes using drill and paddle. Transfer mixed liquids to a mortar mixer and add aggregate (Component C) slowly while mixing. Aggregate content may be adjusted accordingly depending upon temperatures and job site conditions. Mix until the aggregate is completely wetted and no dry pockets remain. Use immediately after mixing.

### INSTALLATION

Pump grout into formwork through ports beginning at bottom most port or tremie pour into formed area or jacket. Do not allow the grout to free-fall more than 5 feet through water when installing.

### CLEAN UP

All surfaces, tools and equipment may be cleaned with water prior to material setting.



 [www.fastracproducts.com](http://www.fastracproducts.com)

 816-380-4747

 [sales@fastracproducts.com](mailto:sales@fastracproducts.com)

 Lee's Summit, MO 64081



# FasTrac CE811 Pile Jacket Grout

UNDERWATER EPOXY GROUT FOR PILE JACKETS

## COVERAGE AND YIELD

**Three Component Unit:** 1 Container Resin (Component A), 1 Container Hardener (Component B) 2 to 3 Bags Aggregate (Component C). Approximate yield of 1.1 to 1.5 cubic feet (0.031 - 0.041 cubic meters) varies depending upon Aggregate content.

## SHELF LIFE AND STORAGE

Shelf life: 2 years from date of manufacture when stored in dry weatherproof conditions.

Storage Temperatures: 40° F (4°C) to 90° F (32° C).

Best results obtained when material is pre-conditioned to between 65° F and 85° F (18.3°C and 29.4°C).

TYPICAL PROPERTIES at 75° F (23.8° C)		
TEST METHOD		RESULTS
<b>ASTM C 579 Compressive Strength</b>		
	7 Days	11,000 psi (75.9 MPa)
<b>ASTM C882 Slant Shear Bond</b>		
	7 Days	2,500 psi (17.2 MPa)
<b>ASTM C 307 Tensile Strength</b>		
	7 Days	2,500 psi (17.2 MPa)
<b>ASTM D 570 Water Absorption</b>		
	7 Days	0.3%

## HEALTH AND SAFETY INFORMATION

Product contains epoxy resin, amines, and respirable silica. 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

LIMITED WARRANTY All information provided by Cornerstone Construction Material LLC (CCM) concerning CCM products, including but not limited to, any recommendations and advice relating to the application and use of CCM products, is given in good faith based on CCM's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions in accordance with CCM's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of CCM's control are such that CCM assumes no liability for the provision of such information, advice, recommendations, or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations, or instructions related to its products. The user of the CCM product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). CCM reserves the right to change the properties of its products without notice. All sales of CCM product(s) are subject to its current terms and conditions of sale. Prior to each use of any CCM product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available at [www.ccmaterial.com](http://www.ccmaterial.com). Nothing contained in any CCM materials relieves the user of the obligation to read and follow the warnings and instructions for each CCM product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use. CCM warrants this product for one year from the date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet when used in accordance with the written instructions. User determines suitability of product for intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CCM SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CCM SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac CE811 Pile Jacket Grout" product and in the information which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Cornerstone Construction Material LLC (CCM) makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Construction Material LLC (CCM) shall have no other liability with respect thereto. Any claim regarding a product defect must be received in writing within one year of the date of shipment. No claim will be considered without such written notice or after the specified time interval. The User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Cornerstone Construction Material LLC (CCM) technical manager.

Revised: 1-8-2024\_SR

CEMENTS | CONCRETES | EPOXIES | GROUTS | MORTARS | MIXING SYSTEMS | HFST



[www.fastracproducts.com](http://www.fastracproducts.com)



816-380-4747



[sales@fastracproducts.com](mailto:sales@fastracproducts.com)



Lee's Summit, MO 64081