



FasTrac CE830 Novolac Grout

HIGH CHEMICAL RESISTANCE EPOXY GROUT



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac CE830 Novolac Grout is a highly chemical resistant, novolac epoxy grout for aggressive chemical exposure and secondary containment applications. A high early strength material, FasTrac CE830 may be put into service 12 hours after installation, allowing for faster turnaround of equipment and structures.

APPLICATIONS

- Chemical Feed Pumps
- Secondary Containment
- Process Equipment
- Aggressive Chemical Exposure

FEATURES

- Highly Chemical Resistant
- Fast Turnaround
- Ease of Use
- High Early Strength

SURFACE PREPARATION

All concrete shall have attained design strength and be dimensionally stable. Concrete surfaces shall be mechanically roughened to a Concrete Surface Profile CSP 6 to CSP 10 in accordance with ICRI Standard 310.2R. Concrete surfaces shall be completely dry and free of any standing water prior to grout placement. Blow out all surfaces with oil free compressed air to remove dust, debris and other bond inhibiting contaminants.

FORMWORK

Formwork shall be rigid and secured to withstand any head pressures developed during grout placement. Formwork should extend a minimum of 1 inch above top of final grout level. Formwork must be caulked or sealed to a water-tight condition and treated with an appropriate release agent (2 heavy coats of wax, plastic sheeting) to prevent grout bond. Isolation joints may be required for larger pours – joints should be placed on 4-to-6-foot centers and extend full depth of placement. Formwork should be set so that grout shoulders do not exceed 4 inches.

MIXING

Grout components should be between 65°F and 85°F (18.3°C and 30°C) for the 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 1 ½ to 2 minutes. Pour mixed liquids into a mortar mixer (rotating paddle mixer). Add Component C (Aggregate) 1 bag at a time with the mixer running. Mix for an additional 1 minute after the last bag of Component C is added. Mix until aggregate is completely wetted. Use grout immediately after mixing.

INSTALLATION

Place grout from one side only unless otherwise instructed. Pour grout using a headbox to assist flow and movement of grout. Multiple headboxes may be required for larger applications. Continue placement until grout is observed at opposite side of placement. For pumping applications, contact FasTrac Construction Products.

CLEAN UP

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



 www.fastracproducts.com

 816-380-4747

 sales@fastracproducts.com

 Lee's Summit, MO 64081



FasTrac CE830 Novolac Grout

HIGH CHEMICAL RESISTANCE EPOXY GROUT

PACKAGING AND YIELD

2.0 Cubic Foot Unit: Component A: Pre-measured 5-gallon pail, Component B: 1 Gallon Jug Component C: Four 55 lb. (24.9 kg) bags Aggregate

0.5 Cubic Foot Unit: Component A: 1 Gallon Jug, Component B: 1 quart container, Component C: One 55 lb. (24.9 kg) bag Aggregate

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	
ASTM C 579 Method B Compressive Strength			
	12 Hours	10,000 psi (68.9 MPa)	
	1 Day	11,000 psi (75.8 MPa)	
	7 Days	16,000 psi (110.3 MPa)	
ASTM C 882 Slant Shear Bond			
	7 Days	3,500 psi (24.1 MPa)	
ASTM C 307 Tensile Strength			
	7 Days	2,700 psi (18.6 MPa)	
ASTM D 580 Flexural Strength			
	7 Days	4,500 psi (31.0 MPa)	
ASTM C 531 Linear Shrinkage			
	7 Days	0.005%	
ASTM D 2471 Gel Time			
		60 Minutes	
Curing Temperature		Working Time	Initial Cure Time
	50° F / 16° C	6 hours	42 hours
	55° F / 18° C	5 hours	36 hours
	65° F / 21° C	3.5 hours	30 hours
	75° F / 24° C	2.5 hours	24 hours
	85° F / 29° C	1.5 hours	18 hours
	95° F / 35° C	1 hour	12 hours
	100° F / 38° C	45 min	6 hours

CHEMICAL RESISTANCE CHART					
SOLVENTS		ORGANICS ACIDS (CONC.)		BASES / ALKALINES (CONC.)	
Acetaldehyde	Isopropyl Alcohol	Acetic (1-50%)	Engravers (1-50%)	Ammonia (1-25%)	Dimethyl Aniline
Acetone	Jet Fuel	Acid plating solutions	Hydrochloric (1-37%)	Ammonium Hydroxide (1-25%)	Hydrogen Peroxide (1-30%)
Acetonitrile	Kerosene	Adipic (1-25%)	Hydrofluoric (1-40%)	Aniline	Green Pulp Liquor
Acrylonitrile	Methyl Ethyl Ketone	Azotic (1-50%)	Matting (1-98%)	Barium Hydroxide (1-sat.)	Soap solutions
Butyl acetate	Methanol	Battery (1-98%)	Nitric (1-50%)	Black Pulp Liquor	Sodium Cyanide (1-15%)
Cyclohexane	Methyl Alcohol	Chromic (1-30%)	Oil of vitriol (1-98%)	Butyl Amine	Sodium Hypochlorite (1-9%)
Ethanol	Rubbing Alcohol	Chlorohydric (1-37%)	Oleic	Cadmium Cyanide Plating	Sodium Hydroxide (1-50%)
Ethyl acetate	Wood Alcohol	Dibasic (1-sat.)	Phosphoric (1-85%)	Calcium Hydroxide (1-25%)	Triethanolamine
Ethyl alcohol	1,1,1 Trichloroethane	Ethanoic (1-50%)	Sulfuric (1-98%)	Chromium Trioxide (1-25%)	Triethylamine
Formaldehyde	Phenol	Ethylic (1-50%)	Vitriol (1-98%)	Copper Cyanide Plating	Potassium Hydroxide (1- sat)

HEALTH AND SAFETY INFORMATION

This product contains Portland cement, silica sand and respirable silica. Respirable silica is a suspected human carcinogen by NTP and IARC. Use proper PPE when working with this material, including eye protection, gloves and NIOSH / MSHA approved dust masks or respiratory protection as required to prevent inhalation and accidental ingestion. Read SDS thoroughly before use.

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. 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.

