



# 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.



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## 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. (27.2 kg.) bags Aggregate

**0.5 Cubic Foot Unit:** Component A: 1 Gallon Jug, Component B: 1 quart container, Component C: One 55 lb. (27.2 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	
<b>ASTM C 579 Method B Compressive Strength</b>			
	12 Hours	10,000 psi (68.9 MPa)	
	1 Day	11,000 psi (75.8 MPa)	
	7 Days	16,000 psi (110.3 MPa)	
<b>ASTM C 882 Slant Shear Bond</b>			
	7 Days	3,500 psi (24.1 MPa)	
<b>ASTM C 307 Tensile Strength</b>			
	7 Days	2,700 psi (18.6 MPa)	
<b>ASTM D 580 Flexural Strength</b>			
	7 Days	4,500 psi (31.0 MPa)	
<b>ASTM C 531 Linear Shrinkage</b>			
	7 Days	0.005%	
<b>ASTM D 2471 Gel Time</b>			
		60 Minutes	
<b>Curing Temperature</b>		<b>Working Time</b>	<b>Initial Cure Time</b>
	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

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