



FasTrac CG Grout

GENERAL PURPOSE CONSTRUCTION GROUT



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac CG Grout is a general-purpose construction grout for non-critical grouting applications. A highly versatile material, FasTrac CG Grout may be mixed from near fluid to dry-pack consistency. FasTrac CG Grout provides high ultimate compressive strengths and excellent bond strengths for general grouting applications.

APPLICATIONS

- Column Baseplates
- Precast Panels
- Block Filling
- Dowels and Anchors

FEATURES

- Placement Versatility
- May be Extended with Coarse Aggregate
- Economical
- High Strength

SURFACE PREPARATION

All concrete surfaces shall be dimensionally sound, clean, and roughened mechanically to ensure the best bond between grout and concrete. Roughen concrete surfaces to a minimum CSP 6 to CSP 10 in accordance with International Concrete Repair Institute Standard 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Concretes, and Concrete Repair guidelines. Remove all dust, debris, and other contaminants with oil-free compressed air. Presoak concrete surfaces with potable water for a minimum of 8 and up to 24 hours prior to grout placement. Concrete surfaces should be saturated surface dry (SSD) prior to grout placement. Best placement results are obtained when concrete substrate surfaces are between 50°F and 80°F (10°C and 27° C).

FORMWORK

All formwork must be rigidly secured and watertight. Caulk and seal all internal formwork joints. Formwork should extend a minimum of 1 inch above the top of baseplate or structural member being grouted. A form release agent (form oil, wax) should be applied to all grout contact surfaces to ensure easy removal of formwork.

MIXING

For multiple bag mixes, a mortar mixer is required (not cement mixer). Start by adding the specified amount of water followed by the grout. Typically, 2.5 quarts (2.36 liters) for dry-pack mixes and 4.25 quarts (4.02 liters) to attain near fluid consistency. Mix for 3 to 4 minutes and use immediately after mixing. For single bag mixes, a drill and paddle and 5-gallon bucket may be used for mixing. For extended mixes, contact FasTrac Construction Products.

INSTALLATION

Pour grout from one side to the other. Do not pour or pump grout from both sides simultaneously. Use a headbox to facilitate grout flow in tighter clearance or large footprint applications. For placements thicker than 4 inches, add clean dry coarse aggregate at the rate of 25% to 50% by weight during mixing.

CURING

Wet cure grout for three days continuously using wet burlap and plastic sheeting, burlene or similar materials that will maintain moisture and not dry out. A curing compound meeting the requirements of ASTM C 309 / 1315 may be used in lieu of wet curing.



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CLEAN UP

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

COVERAGE AND YIELD

50 lb. (22.7 kg) bag yields 0.43 cubic feet (0.028 cubic meter) at a near fluid consistency.

Also available in 2000 lb. (909 kg) bulk bags.

SHELF LIFE AND STORAGE

Shelf life: 1 year from date of manufacture when stored in dry weatherproof conditions.

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

Best results obtained when material is pre-conditioned to between 55° F and 80° F (12.7°C and 26.7°C).

TYPICAL PROPERTIES at 75° F (23.8° C)				
TEST METHOD		RESULTS		
		DRYPACK	FLOWABLE	NEAR FLUID
ASTM C109 Compressive Strength				
	1 Day	7,000 psi (48.2 MPa)	3,000 psi (20.7 MPa)	2,500 psi (17.2 MPa)
	7 Days	9,500 psi (65.5 MPa)	5,500 psi (37.9 MPa)	5,000 psi (34.5 MPa)
	28 Days	10,000 psi (68.9 MPa)	7,500 psi (51.7 MPa)	7,000 psi (48.2 MPa)
ASTM C882 Slant Shear Bond				
	1 Day	2,000 psi (13.8 MPa)		
	7 Days	2,500 psi (17.2 MPa)		
ASTM C266 Set Time				
		4 - 6 hours	5-7 hours	6-8 hours

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.

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