

## PRODUCT DATA

### Construction Grout

**CONSTRUCTION GROUT** is a non-shrink, non-corrosive, non-staining industrial grout that is compatible in appearance with ordinary concrete. This product is formulated for high strength and flowability, and contains no metallic aggregates, accelerators, chlorides or oxidizing catalysts. Construction Grout is a versatile product, designed for a wide variety of industrial uses.

#### APPLICATIONS:

Use where non-shrink, non-staining is required. Gives full bearing for applications such as:

- Seating bolts
- Structural columns
- Tower bases
- Pump and equipment bases
- Equipment or bar anchoring
- Pre-cast tee joints
- Bearing plates
- Rail posts

**PACKAGING:** 50 lb. bags

**YIELD:** 0.45 cu. ft. per 50 lbs.

**MIXTURE:** 3.4-4.4 quarts per 50 lb. bag  
 For **plastic** consistency: 3.4-3.8 quarts per 50 lbs.  
 For **flowable** consistency: 3.8-4.0 quarts per 50 lbs.  
 For **fluid** consistency: 4.0-4.4 quarts per 50 lbs.

**WORKING TIME:** Approx. 35 min.

#### PHYSICAL AND CHEMICAL CHARACTERISTICS:

Compressive Strength (ASTM C-109)	
PLASTIC 100% Flow Table	
1 day	4910 psi
7 days	5120 psi
28 days	7100 psi
FLOWABLE 130% Flow Table	
1 day	4250 psi
7 days	4995 psi
28 days	6320 psi
FLUID 25-30 Seconds Flow Cone	
1 day	3100 psi
7 days	6085 psi
28 days	6900 psi
VOLUME CHANGE (Fluid)	
Early Height Change (ASTM C-827)	+2.1%
Hardened Height Change (ASTM C-1090)	+0.022%
TENSILE STRENGTH (Fluid)	
(ASTM C-496)	
28 Days	585 psi
FLEXURAL STRENGTH (Fluid)	
(ASTM C-78)	
28 Days	530 psi
BOND STRENGTH (Fluid)	
(ASTM C-882 (Modified))	
28 Days	1815 psi

This product meets requirements of ASTM C-1107 and CRD C621

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**PREPARATION:** All areas to be grouted must be clean and free of oil, grease, dirt, and any contaminants. All metal components to be in contact must be de-rusted and free of paint and oils. All concrete to come in contact with the grout must be thoroughly saturated by dampening or soaking prior to placement of grout. Remove excess water from holes and voids, leaving no puddles. For column base plates and machinery bases, standard forming procedures should be followed that allow proper and complete placement of the fluid grout, including the use of forms.

**MIXING:** Construction Grout is ready to use and requires only the addition of water. No other materials should be added. Use water mixture provided for desired consistency. For uniformity of mix, use mechanical mixers such as paddle or drum mortar mixers. Do not mix for more than 5 minutes. The grout should be placed immediately after mixing. Do not mix more than can be placed within the allotted work time.

**PLACEMENT:** When grouting areas exceeding 6" in thickness, the grout must be extended with 1/8" to 3/8" pea gravel at a rate of 15 to 20 lbs. per 50 lb. bag of grout. Construction Grout should be placed in accordance with standard grouting procedures and recommendations of ACI for placing and curing concrete. Use chains, rods, or tamping devices to compact grout tightly, completely remove all voids. Place grout quickly and continuously, striking off exposed areas. Finished grout should be cured with an acrylic sealer or damp cured.

**TEMPERATURE:** Apply at temperatures between 40°F and 90°F. Temperature should be near 70°F for maximum performance.

**CLEAN UP:** Clean up is simple and easy with soap and water. Rinse tools before material hardens.

**PRECAUTIONS:** Contains Portland cement: avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See safety data sheet (SDS) for detailed safety information.

**LIMITED WARRANTY:** Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions along with Seller's General Terms and Conditions and hereby expressly waives any claim to additional damages.

**CAUTION: Always keep out of the reach of children.**