

PRODUCT DATA

High Performance Grout

HIGH PERFORMANCE GROUT is a flowable, high-strength precision non-shrink, non-metallic industrial grout for supporting equipment and machinery, as well as other industrial applications. High Performance Grout meets the requirements of ASTM C-1107 when applied in temperatures ranging from 40°F-90°F. High Performance Grout is designed for applications requiring high strength and high flowability. This product contains no metallic aggregates, accelerators, chlorides or oxidizing catalysts.

APPLICATIONS:

Use where precision non-shrink, non-staining grout is required. Gives full bearing for a wide variety of industrial applications such as:

- Precision machinery grouting
- Machinery base plates
- Structural columns
- Tower and turbine bases
- Pump and equipment bases
- Pre-cast tee joints
- Bearing plates
- Rail posts
- Post tension cables
- Anchoring applications

PACKAGING: 50 lb. bags
 800 lb. mini bulk bags (special order)
 3000 lb. bulk bags (special order)

POT LIFE: 30 minutes

YIELD:
 50 lbs. yields approximately 0.45 cu. ft.

MIXTURE: 3.2-4.8 quarts per 50 lb. bag
 For **plastic** consistency: 3.2-3.6 quarts per 50 lbs.
 For **flowable** consistency: 4.0-4.4 quarts per 50 lbs.
 For **fluid** consistency: 4.4-4.8 quarts per 50 lbs.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

COMPRESSIVE STRENGTH
 (ASTM C-109) Max Water (Fluid) 25-30 Seconds Flow Cone
 1 day 4,000 psi
 3 days 5,500 psi
 7 days 8,000 psi
 28 days 10,500 psi

VOLUME CHANGE (Fluid)
 Early Height Change +2.1%
 (ASTM C-827)
 Hardened Height Change +.022%
 (ASTM C-1090)

TENSILE STRENGTH (Fluid)
 (ASTM C-496)
 28 Days 610 psi

FLEXURAL STRENGTH (Fluid)
 (ASTM C-78)
 28 Days 550 psi

BOND STRENGTH (Fluid) (Modified)
 (ASTM C-882)
 28 Days 2000 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 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: High Performance Grout is ready to use and requires only the addition of water. No other materials should be added. Use water ratio provided for desired consistency. For uniformity of mix, mechanical mixers such as paddle or drum mortar mixers should be used. Mix for no 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.

APPLICATION: When placed in thicknesses of over 6 in., the grout must be extended with $\frac{1}{8}$ " to $\frac{3}{8}$ " pea gravel at a rate of 15-20 lbs. per 50 lb. bag of grout. Create head pressure using a pump, head box, traffic cone or stand pipe to prevent voids. Grout should be placed in accordance with standard grouting procedures and recommendations of ACI for placing and curing concrete. 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.

ADDITIONAL INFORMATION: For complete safety information refer to the material SDS. For additional information, contact Indcon at 888-809-2365.

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.

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(May 2016)