

# General

## Construction Grout

### Non Shrink, Non Metallic Grout



#### MANUFACTURER

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#### DESCRIPTION

GENERAL CONSTRUCTION GROUT is a flowable, high strength, non-shrink, non-corrosive, non-staining industrial grout that is compatible in appearance with ordinary concrete. This product contains no metallic aggregates, chlorides, accelerators, or oxidizing catalysts.

#### USES

Use where non-shrink grout is required for full bearing for machinery base plates, structural columns, pump and equipment bases, pre-cast tee joints, patching, bearing plates, etc.

#### APPLICATION

All areas to be grouted shall be clean and free of oil, grease, dirt, and any contaminants. All metal components to be in contact shall be de-rusted and free of paint and oils. All concrete to come in contact with the grout shall 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. GENERAL CONSTRUCTION GROUT is ready to use and requires only the addition of water. No other materials should be added. For uniformity of mix, mechanical mixers such as paddle mixers should be used. Mixing time is not 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. When grouting areas exceeding 2" 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. General Construction Grout should not be used for grouting

of precision machinery or equipment subjected to particularly heavy and excessive vibratory forces. GENERAL 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 removing all voids. Temperature should be near 70 F for maximum performance. Place grout quickly and continuously, striking off exposed areas. Finished grout should be cured with an appropriate curing compound or damp cured.

#### COVERAGE

One 50 pound bag should yield approx. .45 cubic feet.

#### 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 material safety data sheet for detailed information.

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**TECHNICAL DATA:**

**COMPRESSIVE STRENGTH**

**ASTM C-109**

PLASTIC 100% Flow Table

1 Day	5900 psi
7 Days	9000 psi
28 Days	10000 psi

FLOWABLE 130% Flow Table

1 Day	5400 psi
7 Days	8700 psi
28 Days	9200 psi

FLUID 25-30 Seconds

Flow Cone

1 Day	4000 psi
7 Days	7750 psi
28 Days	9000 psi

VOLUME CHANGE (Fluid)

Early Height Change

ASTM C-827 +2.1%

Hardened Height Change

ASTM C-1090 +.022%

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

Meets requirements of ASTM C-1107