

GROUT IT

Quick Set Non-Shrink Grout

MANUFACTURER:

Empire Blended Products, Inc.
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PRODUCT DESCRIPTION:

GROUT IT is a fast setting, high strength, non-shrink, non-metallic cementitious grouting compound. This material's unique formula of Portland Cement, finely graded aggregates, shrinkage compensating materials and expansive cementitious binder allow it to maintain its strengths at various consistencies, from flowable to trowelable. *GROUT IT* is designed for grouting machinery and structural supports which require non-shrink performance combined with high strength. Because of its unique non-bleeding and non-segregating characteristics at a fluid consistency, it is an ideal anchoring cement. *GROUT IT* complies with Corps of Engineers CRD-C-621 and ASTM C-1107.

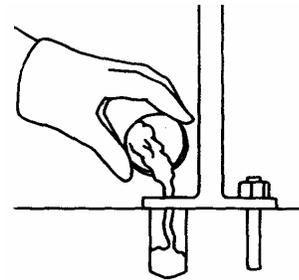
USES:

- Structural columns
- Machinery bases
- Bearing plates
- Anchoring bolts, posts and railings
- Powerline stanchions

ADVANTAGES:

- One step grout, just add water
- Contains no chlorides, heavy metals or gypsum
- High early strength requires no lengthy downtime
- Fast setting, 5-10 minute initial set
- Usable from flowable to trowelable consistency at a lower flow. For smaller installations, hand

PATCHING/ANCHORING NON-SHRINK



- Dimensionally stable, requiring no treatment at edges or open end
- Excellent flexural strength and vibration resistance
- Freeze-thaw resistance superior to concrete
- Watertight, resists salt, many chemicals and oils
- Pumpable and flowable

INSTALLATION:

Surface Preparation:

All surfaces to receive material must be clean and free of oil, grease, dirt and other contaminants. Acid based cleaning solutions must be neutralized. Remove all loose material.

Where applicable, provide air relief openings to avoid entrapment of air. All metal components that will be in contact with *GROUT IT* must be rust free and free of paints, oils and release agents. All concrete that will contact *GROUT IT* must be thoroughly saturated with water, but allow no standing water to remain. Any wood forms should be surface saturated before placing *GROUT IT*, with seams caulked to prevent leakage.

Mixing:

GROUT IT requires only the addition of water. No other additives should be used. Add water to a suitable mixing vessel. A mortar type mixer with rotating, rubber edged blades is recommended for larger applications and those mixing or drill mixing with a low speed, high

torque drill (not to exceed 650 RPM) is acceptable. Add material to water and mix to a smooth, lump-free consistency. Do not mix for more than 2 minutes, and install immediately after mixing. Mix enough material to permit continuous placement before any part of the *GROUT IT* has set, but do not mix more material than can be placed in 5 minutes. A good consistency for most concrete repairs requires 4½ quarts of water per 50 pounds of *GROUT IT*. For a flowable grout, up to 6 quarts of water per 50 pounds may be used. A flowable consistency is recommended for anchoring bolts, posts or rails.

Placement:

GROUT IT should be placed in accordance with standard grouting procedures and recommendations of ACI (American Concrete Institute). Place *GROUT IT* quickly and continuously. It may be pumped, poured, troweled or hand packed. Use chains, rods or tamping tools to tightly compact grout, completely removing all air voids, and being careful to completely fill all of the space being grouted. Strike off exposed areas and after setting, cut back or finish *GROUT IT* to final configuration. When anchoring bolts, posts or rails, crown *GROUT IT* slightly with a trowel or putty knife as it stiffens to aid water runoff.

Curing:

Damp curing is recommended. Allow to cure for 24 hours before applying weight or stress.

Coverage:

One 50 pound bag of *GROUT IT* will yield 0.45 cubic feet.

Packaging:

Available in 50 pound multiwall paper bags with moisture barrier.

Color:

Light gray

TECHNICAL DATA:

Set Time:

Initial Set 5-10 minutes
Final Set..... 10-20 minutes

Compressive Strength:

1 day 4,000 psi
7 days 6,300 psi
28 days 7,350 psi

Freeze-Thaw Resistance:

Excellent, Superior to Concrete

Flexural Strength:

Resists Vibration

LIMITATIONS:

Do not apply to frozen surfaces or if temperature will fall below 40°F within 24 hours.

CAUTION:

Contains Portland Cement CAS #65997-15-1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, **do not** induce vomiting and get prompt medical attention. Also contains Sand CAS #14808-60-7. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung injury (silicosis) or cancer IARC Class 2A. Wear NIOSH approved mask for silica dust. **Keep Out Of Reach Of Children.**

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either Empire Blended Products or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.