

### Description

TradeCraft Non-Shrink Grout is a scientific blend of non-ferrous admixtures, graded sand and Portland Cement. This product is a high strength, general purpose grout for most construction applications at any consistency - drypack, plastic or flowable. Meets Corps. Of Engineers specification CRD C-621 and ASTM C-1107.

### Physical Properties

#### Compressive Strength (ASTM C-109\*)

Set	1 Day	3 Days	7 Days	28 days
Plastic	5,500	9,500	11,500	13,000
Flowable	5,000	9,000	10,500	12,000
Fluid	4,500	8,000	9,000	11,000

### Suggested Uses

- Structural Columns
- Anchoring
- Machine Bases
- Patching
- Highway Barriers
- Snap Tie Holes
- Manholes
- Bridges
- Mortar Joints
- Precast Tee Joints

### Preparation

All contact surfaces should be clean and free of oil, gas, paint, grease, loose concrete, efflorescence, dirt, etc. Adjacent concrete surfaces must be sound. Roughen concrete surfaces where possible to promote bonding. Thoroughly soak contact areas prior to usage and remove excess or standing water before grout placement.

### Directions for Mixing

TradeCraft Non-Shrink Grout requires only the addition of clean water. For best results use a paddle or drum type mechanical mortar mixer. Mix three to five (3-5) minutes only. Do not mix more grout than can be placed in the allotted work time. The amount of time available depends on the temperature of the atmosphere, the area to be grouted or a combination of these. To be safe, complete grouting within 20 minutes. For maximum strength use the minimum amount of water. Water/50 lb. Bag, Plastic 3.0 quarts, Flowable 3.5 quarts, Fluid 4.0 quarts.

### Packaging & Yields

Packaged in polylined paper bags; 50 lbs. Produces approximately 1/2 cu. ft.

### For Best Results

When mixed to a pourable consistency, TradeCraft Non-Shrink Grout flows readily and forms or dams will be necessary at all openings. Once grouting has begun, it should progress continuously without interruption before the grout has a chance to stiffen. It is best to work grout from one side only using sound engineering practices to avoid excessive air entrapment. Reinforcing rods or wire mesh may be used where required.

### Curing

Cure all exposed grout with a curing compound after grout has been wet cured for at least 24 hrs. with wet rags.

### Hot Weather Precautions

High temperatures reduce working time and increases the importance of curing due to rapid water evaporation.

#### To minimize:

- Store grout in a cool place for 24 hours prior to use.
- Soak work area prior to grouting. Remove excess water.
- If possible, shade from direct sunlight during entire process.
- Mix grout with cold water.

### Cold Weather Conditions

Low temperatures delay the rate of strength gain and increase working time.

#### To minimize:

- Store grout in a heated place 24 hours prior to use.
- Mix with warm water.
- Heat placement surface where possible.
- Place grout only when temperature is at least 40°F. Do not place if temperature will fall below 40° F within 24 hours of placement.

### Clean Up

Clean up is simple and easy with soap and water. Rinse tools before material hardens.

### Caution

**AVOID CONTACT WITH SKIN INJURIOUS TO EYES. Contains Portland Cement (CAS #65997-15-1). Freshly mixed cement, mortar, concrete, grout, or stucco may cause skin injury including severe alkali burns. If exposed, wash skin promptly and repeatedly for 15 minutes and get prompt medical attention. The use of gloves and protective eye wear is recommended. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water for 15 minutes and get prompt medical attention.**

**Warning Inhalation Hazard: Avoid Inhalation of dust from this product, which contains crystalline silica that may cause lung disease and cancer. Use with mechanical ventilation or respiratory protection (dust masks).**

**KEEP OUT OF REACH OF CHILDREN**

**EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES** Neither the manufacturer nor the retailer of this product shall be liable for any incidental or consequential damages caused by the use of the product.

#### DISCLAIMER AND LIMITATION OF LIABILITY

This material is warranted to be of good quality. Upon receipt of a claim within one year from the date of sale, defective material will be replaced or the purchase price refunded at the option of the manufacturer. Except for the foregoing, all warranties, express or implied, including merchantability and fitness for a particular purpose, are excluded. No liability is assumed for any consequential, incidental or special damages arising directly or indirectly from the use of the material.