



# CORE FILL MASONRY GROUT

1-888-SPECMIX

DIVISION **04**  
MASONRY PRODUCTS

## High Strength. Structural Integrity.

SPEC MIX® Core Fill Grout is a dry, preblended mix containing cementitious materials and dried aggregates formulated for superior flow to fill masonry voids while meeting ASTM C 476 requirements for reinforced masonry construction. It is designed as a fluid cementitious material used to bond together adjacent masonry units and steel reinforcement in the cores of the masonry units to the masonry assemblage, or to fill reinforced bond beams. Using Core Fill Grout in conjunction with existing reinforcement will

### MATERIALS USED

PORTLAND CEMENT  
POZZOLANS  
AGGREGATES

produce a structurally sound final wall system for reinforced masonry construction.

Core Fill Grout contains cementitious materials and dried aggregates formulated for superior flow and reduced segregation while meeting compressive strength requirements of reinforced masonry construction. Core Fill Grout is available in coarse and fine formulations.

Core Fill Grout is produced under strict manufacturing standards, and complete quality control measures are implemented with each batch. A digital printout displaying the proper proportions per batch may be kept as a permanent record. Each SPEC MIX® manufacturer certifies that SPEC MIX® masonry products are designed to meet the project specifications and applicable ASTM and ACI standards.



**TOTAL QUALITY CONTROL WITH EVERY BAG**  
**ASTM C 476 LABORATORY TESTED MIX DESIGNS**  
**PREBLENDED TO MINIMIZE LABOR COST**  
**CONSISTENCY BATCH TO BATCH**  
**COMPLEMENTS ANY GROUT PLACEMENT SYSTEM**  
**NO DEMURRAGE CHARGES**  
**NO MINIMUM LOAD REQUIREMENTS**  
**ON TIME WHEN YOU NEED GROUT**  
**NO SAND PILES OR WASTED MATERIALS LEFT ON SITE**

## INSTALLATION/APPLICATION

SPEC MIX® Core Fill Grout may be used in both low-lift and high-lift applications. Special consideration should be used in selecting the type of grout used for a particular application. Core Fill Grout may be placed by hand or by mechanical delivery. It should be consolidated upon placement and reconsolidated before initial set. Course grout may be used in grout spaces in brick masonry, two inches or more in horizontal dimensions where no horizontal steel is in the grout space, and in the cells in block construction that are four inches or more in both horizontal dimensions. If the cavity is smaller than the above mentioned, fine grout should be used. Always check project specifications and structural notes to assure proper product selection has been made.

When mixing, a mechanical batch mixer best ensures homogeneity, workability and good board life. Use clean, potable water and add the maximum amount consistent with optimum workability. Mixing time is five minutes and should be consistent from batch to batch. Hand mixing grout should be permitted only with written approval by the specifier who should outline hand-mixing procedures. Grout should be cured a minimum of 28 days. Grout should be discarded after one-and-one-half hours from initial mixing. SPEC MIX® products are custom packaged to the specification. They must be kept dry, covered and protected from weather and other damage.

## SIZES AND EQUIPMENT

SPEC MIX® Core Fill Grout is available in 80 lb. (36 kg.) or 94 lb. (42 kg.) packages for easy hand loading as well as in 3000 lb. (1362 kg.) reusable bulk bags to be used with the various patented SPEC MIX® silo systems. When using the silo system, once the bulk bags of mortar are delivered to the project site, the portable silo is loaded with a jobsite forklift and the product is dispensed into a mechanical batch mixer. (See silo operations manual.)

## WARRANTY

Seller warrants that its Product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury, Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

## APPLICABLE STANDARDS: ASTM AND ACI

**ASTM C 143/C 143M** TEST METHOD FOR SLUMP OF HYDRAULIC CEMENT CONCRETE: **ASTM C 150** STANDARD SPECIFICATION FOR PORTLAND CEMENT: **ASTM C 260** SPECIFICATION FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE: **ASTM C 404** SPECIFICATION FOR AGGREGATES FOR MASONRY GROUT: **ASTM C 476** STANDARD SPECIFICATION FOR GROUT FOR MASONRY: **ASTM C 595** STANDARD SPECIFICATION FOR BLENDED HYDRAULIC CEMENTS: **ASTM C 618** SPECIFICATION FOR COAL FLY ASH AND RAW OR CALCINED NATURAL POZZOLAN FOR USE AS A MINERAL ADMIXTURE IN CONCRETE: **ASTM C 989** SPECIFICATION FOR GROUND GRANULATED BLAST-FURNACE SLAG FOR USE IN CONCRETE AND MORTARS: **ASTM C 1019** STANDARD TEST METHOD FOR SAMPLING AND TESTING GROUT: **ASTM C 1093** STANDARD PRACTICE FOR ACCREDITATION OF TESTING AGENCIES FOR UNIT MASONRY: **ASTM C 1157** STANDARD PERFORMANCE SPECIFICATION FOR BLENDED HYDRAULIC CEMENT: **ASTM C 1314** STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF MASONRY PRISMS: **ACI 530.1-02** SPECIFICATION FOR MASONRY STRUCTURES



## LIMITATIONS

SPEC MIX® Core Fill Grout should be installed in accordance with the provisions of the local building code and applicable ASTM standards. Good workmanship coupled with proper detailing and design assures durable, functional, watertight construction.

## PRECAUTIONS

Safety glasses and a dust mask are recommended when handling any mortar mixture containing silica. The cementitious materials mixed on site are alkaline in nature and on contact with water will irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating. Do not take internally. Keep out of reach of children.

## TECHNICAL SUPPORT

- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT [WWW.SPECMIX.COM](http://WWW.SPECMIX.COM)
- CONTACT SPEC MIX®, INC.  
PHONE: 888-SPEC-MIX FAX: 888-FAX-SPEC