



CORE FILL MASONRY GROUT (FINE & COARSE)

1-888-SPECMIX

DIVISION
MASONRY PRODUCTS **04**

High Strength. Structural Integrity.

In reinforced masonry, SPEC MIX® Core Fill Grout is used to fill cells of concrete masonry units and horizontal bond beams as well as the cavities of composite masonry construction. Depending on the project specification, SPEC MIX Core Fill Grout is available in both Fine and Coarse mixtures. The Core Fill Grouts are dry, preblended products containing cementitious materials and dried aggregates formulated for superior flow to fill masonry voids and optimal compressive strength while meeting ASTM C 476 requirements for reinforced masonry construction. It is designed as a fluid, cohesive 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 SPEC MIX Core Fill Grout in conjunction with existing reinforcement will produce a structurally sound final wall system for reinforced masonry construction.

SPEC MIX 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.

SPEC MIX Core Fill Masonry Grout is available in 80 lb. (36 kg.) packages for easy hand loading or in 3000 lb. (1362 kg.) reusable bulk bags to be used with the various SPEC MIX silo systems.

MATERIALS USED

PORTLAND CEMENT
POZZOLANS
AGGREGATES



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. Coarse grout may be used in grout spaces 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 Core Fill Grouts 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. (36.3 kg.) packages for easy hand loading as well as in 3,000 lb. (1360.8 kg.) reusable bulk bags to be used with the various SPEC MIX silo systems. When using the silo system, once the bulk bags of grout 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.)

MIXING INSTRUCTIONS

1. Use a mechanical batch mixer to ensure homogeneity, workability and good board life.
2. Add the minimum amount of clean, potable water for optimum workability.
3. Mix for five minutes consistently from batch to batch.
4. Hand mix grout only with written approval by the specifier who should outline procedures.
5. Use grout within 1.5 hours after initial mixing.
6. Cure grout for a minimum of 28 days.

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. Follow proper cold-weather masonry procedures at temperatures below 40° F (5° C).

ASTM C1019 PROPERTY SPECIFICATIONS

	Slump	Strength (28 days Minimum)
Coarse	8-11in.	3,000 psi
Fine	8-11in.	3,000 psi

ESTIMATED YIELDS PER 80LB. BAG

Unit Size	Blocks Filled	Cores Filled
6" Block	3.4 - 3.8	6.8 - 7.6
8" Block	2.5 - 2.9	5.0 - 5.8
10" Block	2.1 - 2.3	4.2 - 4.6
12" Block	1.7 - 1.9	3.4 - 3.8

ESTIMATED YIELDS PER 3000LB. BULK BAG

Unit Size	Blocks Filled	Cores Filled
6" Block	125 - 142	255 - 285
8" Block	93 - 110	185 - 218
10" Block	78 - 85	155 - 170
12" Block	63 - 70	128 - 140

Note: The yields given below are approximate and depend on labor practices, site conditions and design of work. Yields include typical waste. Some areas such as FL, CA, OR, and WA experience higher yields. Please contact your local representative for more specific yield information in your area.



LIMITED WARRANTY

SPEC MIX, Inc. warrants this product to be of merchantable quality when used or applied in accordance with the instructions hereon. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of its product (as purchased) if found to be defective, or at the shipping company's option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to SPEC MIX, Inc. in writing. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

WARNING

IMPORTANT! READ BEFORE USING This product contains Portland cement. Contact with freshly mixed product can cause severe burns. Avoid direct contact with skin and eyes. If this product should contact eyes, immediately flush with water for at least 15 minutes and consult a physician. For skin exposure, wash promptly

with plenty of soap and water. Remove soaked clothing promptly. If this product burns your skin, see a physician immediately. This product may contain silica. Silica dust if inhaled may cause respiratory or other health problems. Prolonged inhalation may cause delayed lung injury, including silicosis and possibly cancer. A N95 approved dust mask, eye protection, and rubber boots and gloves are recommended when using this product. Material Safety Data Sheets can be viewed online at www.specmix.com

KEEP OUT OF REACH OF CHILDREN

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

TECHNICAL SUPPORT

- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT WWW.SPECMIX.COM
- CONTACT SPEC MIX®, INC.
PHONE: 888-SPEC-MIX FAX: 651-454-5315