



AMX 600 CG

Preblended Core Fill Grout – Coarse

Product # AMX 600 CG



1. PRODUCT NAME:

Amerimix Preblended Core Fill Grout – Coarse

2. PRODUCT DESCRIPTION:

Amerimix Preblended Core Fill Grout – Coarse AMX 600CG is a factory blend of cementitious materials and dried aggregates. It is formulated for superior flow to fill around steel reinforcement in masonry voids and bond together adjacent masonry units.

Features and Benefits:

- Meets property requirements of ASTM C476
- Available in various strengths (2000, 3000 and 5000 psi).
- Factory blended under controlled conditions to meet strict quality control standards for mix consistency and engineered performance tolerances
- Superior flow
- Pumpable
- Reduced segregation

Uses:

- For load-bearing masonry units
- Structural hollow clay units
- Multi-wythe masonry structures
- Vertical reinforcing
- Reinforced bond beams
- Horizontal reinforcing

Approximate Coverage:

Bag Size		Water
80 lb. (36.2 kg)	Yields approximately 0.7 ft ³ (0.02 m ³) Mixed to a 8" to 11" Slump (200 mm to 275 mm)	4.5 – 5.5 qts. (4.25 – 4.3 L)

**Water demands shown are to be used as a starting reference. More water may be required to achieve a 8" – 11" Slump. Avoid overwatering*

Bag size	Block Size	# of Blocks Filled
80 lb. (36.2 kg)	6" (150 mm) Block	3.4 to 3.8 Blocks
80 lb. (36.2 kg)	8" (200 mm) Block	2.5 to 2.9 Blocks
80 lb. (36.2 kg)	10" (250 mm) Block	2.1 – 2.3 Blocks
80 lb. (36.2 kg)	12" (300 mm) Block	1.7 to 1.9 Blocks

Bulk Bag	Block Size	# of Blocks Filled
3000 lb. (1360.7 kg)	6" (150 mm) Block	127 to 142 Blocks
3000 lb. (1360.7 kg)	8" (200 mm) Block	93 to 108 Blocks
3000 lb. (1360.7 kg)	10" (250 mm) Block	78 to 85 Blocks
3000 lb. (1360.7 kg)	12" (300 mm) Block	63 to 71 Blocks

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage.

Limitations:

1. Amerimix AMX 600 Coarse Preblended Core Fill Grout should be applied in accordance with local building codes and traditional industry best practices appropriate for the application and weather conditions.
2. Appropriate precautions for cold or hot weather construction are implemented in compliance with ACI, ASTM, or Masonry Institute Standards.
3. Areas of contact with grout should be free from loose debris, oil, and paint.
4. Protect uncoated aluminum from direct contact with Portland cement based materials.
5. Grout should be applied quickly and continuously into the area to be filled. Rodding will help consolidate grout and eliminate air pockets.
6. When filling masonry units, do not allow walls to reach a height (typically < 4') that grout will not be able to completely fill the lower units.

7. Shelf life not to exceed one year from date of manufacture.

NOTE: Amerimix Preblended Core Fill Grout- Coarse AMX 600CG should be installed in accordance with the provisions of applicable ASTM standards and the local building code. Always follow traditional industry best practices appropriate for the application and weather conditions. Good workmanship in conjunction with proper design and detailing assures durable, efficient, watertight construction.

Safety:

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website, Amerimix.com or you can contact CHEMTREC (24 hours availability) 800-424-9300 or contact Amerimix Technical Services at 866-725-7383.

3. TECHNICAL DATA:

- Exceeds ASTM C476 Standard Specification for grout for masonry with a slump ranging from 8" – 11" (302 – 379 mm)
- Testing must follow ASTM C1019 Standard Test Method for Sampling and Testing Grout which includes field testing

ASTM C476 Property Specifications	28 Day Strengths
ASTM C476 Minimum Strength Requirements	2,000 psi (13.8 MPa)
AMX 600CG available	3,000 psi (20.7 MPa)
AMX 600CG available	5,000 psi (34.5 MPa)

Applicable Standards:

American Concrete Institute (ACI)

TMS 402/602 Building Code Requirements and Specification for Masonry Structures

- ASTM C143C Standard Test Method for Slump of Hydraulic Cement Concrete
- ASTM C150 Standard Specification for Portland Cement
- ASTM C404 Standard Specification for Aggregates for Masonry Grout
- ASTM C476 Standard Specification for Grout for Masonry
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ASTM C618 Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for use as a Mineral Admixture in Concrete.
- ASTM C1019 Standard Test Method for Sampling and Testing Grout.
- ASTM C1093 Standard Practice for Accreditation of Testing Agencies for Unit Masonry.
- ASTM C1157 Standard Performance Specification for Hydraulic Cement.
- ASTM C1314 Standard Test Method for Compressive Strength of Masonry Prisms

Sustainability:

Amerimix products generally qualify for LEED Materials and Resources credits for Recycled Materials and Regional Materials. Contact the

Amerimix area rep., Visit Amerimix.com or contact Technical Services for additional information regarding LEED qualifications for your specific product application and project location.

4. INSTALLATION

Preparation/Application:

The cavities to be filled should be free of any matter that is deleterious to cementitious products or any materials that decompose over time such as wood, foam, paper, or organic materials.

Notes:

- The optimal temperature range for grout application is between 40°F and 90°F (4°C and 32°C). Applications outside of this range is possible when appropriate precautions for cold or hot weather construction are implemented in compliance with ACI, ACA, or ASTM standards.
- It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mock Ups

Amerimix requires that when Amerimix Preblended Core Fill Grout - Coarse – AMX 600CG is used in any application or as part of any system that includes other manufacturer's product, the contractor and/or design professional shall test all the system components collectively for compatibility, performance, and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the test performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation. Approved mock ups or sample panels should be retained until completion of the project.

Mixing:

- Use of a mechanical mixer will help ensure a more uniform mix.
- Use approximately 4.5 – 5.5 qt (4.25 – 4.3 L) of clean potable water per 80 lb. (36.3 kg) bag or enough water to produce a slump of 8 – 11" (302 – 379 mm). Pour approximately $\frac{3}{4}$ of the required amount into the mixer.
- With the mixer running, add bags of dry grout and mix thoroughly.
- Add remaining water in small amounts as necessary to achieve optimum consistency and required slump. Mix for a minimum of 5 minutes.
- For mixing from a silo, use the same approximate water ratio and follow the same procedures

Curing:

No special curing is required. Protect from freezing for 24 hours.

Cleaning:

Use water to clean all tools immediately after use. Dried material must be mechanically removed. Only clean, potable water should be used in the cleaning process.

5. WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased.

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

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