

SELF-CONSOLIDATING CORE-FILL GROUT

PRODUCT NO. 1585-06, -07, xx80012

DIVISION 4

Common Work Results
for Masonry 04 05 00

PRODUCT DESCRIPTION

QUIKRETE® Self-Consolidating Core-Fill Grout is a Portland cement based highly fluid grout specifically designed to fill masonry block cores without segregation.

PRODUCT USE

QUIKRETE® Self-Consolidating Core-Fill Grout is a Portland cement based, highly fluid grout specifically designed to fill masonry block cores without the need for vibration. QUIKRETE® Self-Consolidating Core-Fill Grout can be mixed to a 24"-28" (600-700 mm) slump flow (ASTM C 1611) and poured or pumped into cores of masonry walls in lifts up to 12' 8" (3.9 M). QUIKRETE® Self-Consolidating Core-Fill Grout complies with the requirements of ASTM C-476.

QUIKRETE® Self-Consolidating Core-Fill Grout is a uniformly blended, properly proportioned mixture of Portland cement, graded sand, 3/8" (9.5 mm) aggregate and other proprietary additives designed to provide a highly fluid grout, requiring only the addition of water. Coarse and fine versions of QUIKRETE® Self-Consolidating Core-Fill Grout are available. The compressive strength may be modified to meet job-site strength requirements.

SIZES

- QUIKRETE® Self-Consolidating Core-Fill Grout –
 - 80 lb (36.3 kg) bags
 - 3000 lb (1362 kg) super sacks

YIELD

• Each 3000 lb. (1362 Kg) bag of Self-Consolidating Core-Fill Grout will yield approximately 0.9 cu. yd. (0.7 M3) of mixed grout depending on the specific mix design used. An 80 lb (36.3 kg) bag will yield about 0.65 cu ft (0.018 M3). A 3000 lb (1363 kg) bulk bag will fill the cores of approximately 105 nominal 8" x 8" x 16" block.

TECHNICAL DATA

QUIKRETE® Self-Consolidating Core-Fill Grout meets and exceed the performance requirements of ASTM C 476 for masonry grouts and achieves the following typical properties when tested in accordance with that specification and ASTM C 1611:

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Property	Result
T50	< 5 seconds
Slump Flow	24-28 " (610-711 mm)
Visual Stability Index	0 or 1



28 day Strength 4,000 psi (27.6 MPa)
Unit Weight 130-150 lb/cu. ft. (2080- 2400 Kg/M3)
**Note: Water demand and bulk density vary with design*

INSTALLATION

MIXING

Add approximately 4 quarts (3.8 L) of clean water for each 80 lb. (36.3 kg) bag of Self-Consolidating Core-Fill Grout and mix for a minimum of 5 minutes. Prior to use, a T-50 test must be performed achieving a minimum slump flow of 20" (500 mm) in 5 seconds or less. If additional water is needed, add sparingly until the desired slump flow range of 24"-28" (600-700 mm) is achieved, when tested in accordance with ASTM C 1611. A slump flow range of 24"-28" (600-700 mm) must be maintained to achieve self-consolidating properties. Mix only enough Self-Consolidating Core-Fill Grout as can be applied in 1-1/2 hours.

INSTALLATION

Pump or pour Self-Consolidating Core-Fill Grout into the cores of masonry walls in lifts up to 12' 8" (3.9 M). Grout all concrete masonry block bond beams, lintels, and cell cores that contain reinforcing steel. Do not place grout until entire height of masonry to be grouted has achieved sufficient strength to resist grout pressure. Mechanical consolidation and vibration are typically not necessary. When required, consolidate by vibration and refill in accordance with local building code. Place grout in accordance with local building codes. QUIKRETE® Self-Consolidating Core-Fill Grout - Coarse is designed for use when masonry grout space is greater than 4" (100 mm) in both directions. Use QUIKRETE® Self-Consolidating Core-Fill Grout - Fine when grout space is less than 4" (100 mm) in either direction.

CURING

Under normal circumstances, no special curing is required. In cold weather keep wall and grout temperature above 40°F (4° C) during placement. Protect from freezing for at least 24 hours.

WARRANTY

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The 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) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE®

Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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