

## Core Fill Grout

### **PRODUCT DESCRIPTION**

greencoreusa® Core Fill Grout is a blend of Portland cement, dried sand and gravel, and other engineered ingredients. greencoreusa® Core Fill Grout meets ASTM C476 when properly mixed in the field, requiring only the addition of water. Fine Core Fill Grout contains fine aggregates (sand), and Coarse Core Fill Grout contains both fine and coarse aggregates (sand and gravel). Available in a variety of compressive strength formulations from 2000 PSI and above.

### **PRODUCT USE**

greencoreusa® Core Fill Grout is recommended for use in reinforced masonry to fill structural concrete masonry units (block cells), hollow clay units, bond beams, and cavities of multi-wythe or composite masonry construction

- Use Fine Core Fill Grout when grout space is less than 4 in (102 mm) in either direction.
- Use Coarse Core Fill Grout when grout space is greater than 4 in (102 mm) in either direction.

### **SIZES**

- 80 lb (36.2 kg) bags

### **TECHNICAL DATA**

#### **APPLICABLE STANDARDS**

ASTM International

ASTM C 476 Standard Specification for Grout for Masonry

#### **PHYSICAL/CHEMICAL PROPERTIES**

Core Fill Grouts meet and exceed the performance requirements of ASTM C 476 for masonry grouts and achieve the typical properties shown in Table 1, when tested in accordance with that specification.

### **INSTALLATION**

#### **MIXING**

Use of a drum type or paddle type mechanical mixer is recommended. A paddle type mortar mixer is recommended for fine grout only. Use clean water, approximately 1 gallon (3.8 L) per 80 lb (36.2 kg) bag. Pour 3/4 of the water into the mixer. With the mixer running, add bags of dry grout and mix thoroughly. At least five minutes of mixing time is recommended. Add additional water in small amounts as necessary to achieve optimum desired consistency. Caution: The slump must be between 8 – 11 in (200 – 280 mm) to comply with ASTM C476. Adding too much water will reduce strength.

**TABLE 1 – TYPICAL PROPERTIES**

Property	Result
Slump	8"-11" (200-280 mm)
28 day strength <sup>1</sup>	> 2000 psi (20.7 MPa)
Unit Weight, Coarse	~140 lb/ft <sup>3</sup> (2240 kg/m <sup>3</sup> )
Unit Weight, Fine	~130 lb/ft <sup>3</sup> (2080 kg/m <sup>3</sup> )

<sup>1</sup>Other strength products are available to meet jobsite strength requirements

### **PLACING**

Pump or pour into cores of the masonry wall. Grout all concrete masonry block bond beams, lintels and rebar-reinforced cells. Do not place grout until the entire height of masonry to be grouted has achieved sufficient strength to resist grout pressure.

Consolidate by vibration and refill in accordance with building code requirements.

### **CURING**

Under normal circumstances, no special curing is required. Keep the temperature above 50°F (10°C) for a minimum of 7 days. Plastic sheeting and insulation blankets should be used if temperatures are expected to fall below 32°F (0°C).

### **RECOMMENDATIONS AND PRECAUTIONS**

Always follow traditional industry best practices appropriate for the application and weather conditions. See [www.greencore-usa.com](http://www.greencore-usa.com) for additional information.

- Use grout within 1.5 hours after mixing.
- Cavities should be clear of any matter that can decompose over time, such as wood, paper, foam, or organic materials. Adjacent contact areas should be free from oil, paint, and loose debris.
- Setting time may be adjusted by using cold water at high temperatures or warm water at low temperatures.
- Do not apply without taking special precautions when air or substrate temperatures are below or expected to fall below 40°F (4°C)

## **WARRANTY**

The Quikrete Companies, Inc. 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 at: The Quikrete Companies, Inc., One Securities Centre, 3490 Piedmont Rd., NE, Suite 1300, Atlanta, GA 30305. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.