

SUPER HIGH YIELD MORTAR

PRODUCT NO. **855M80 (80# TYPE M)**
855S65 (65# TYPE S)

DIVISION 4

Masonry Mortaring
04 05 13

PRODUCT DESCRIPTION

greencoreusa® Super High Yield Mortar is an ecologically friendly, high performance blend of mortar cement, dried sand, and other engineered ingredients. The greencoreusa® Super High Yield Mortar meets ASTM C270, C1714, and ICC requirements for masonry mortars when properly mixed in the field. The superior bond of the greencoreusa® Super High Yield Mortar helps to reduce waste.

PRODUCT USE

greencoreusa® Super High Yield Mortar is recommended for interior or exterior construction application, above and below grade, load bearing and non-load bearing. greencoreusa® Mortars can be used to lay block, brick, natural or manufactured stone, or as an underlayment for tile, marble, and slate.

COLORS

greencoreusa® Super High Yield Mortar is available in gray and additional colors by special order.

SIZES

- 65 lb (29.4 kg) bags
- 80 lb (36.2 kg) bags

YIELD

Each 80 lb (36.2 kg) / 65 lb (29.4 kg) bag of greencoreusa® Super High Yield Mortar will lay approximately 32 / 26 standard (8 in x 8 in x 16 in [200 mm x 200 mm x 400 mm]) blocks with 3/8 in (9.5 mm) mortar joints. Yield depends on adding water, worker's skill, and job site conditions, and therefore, cannot be guaranteed.

TECHNICAL DATA

APPLICABLE STANDARDS

ASTM International

- ASTM C 270 Specification for Mortar for Unit Masonry
- ASTM C 1714 Specification for Preblended Dry Mortar Mix for Unit Masonry

PHYSICAL/CHEMICAL PROPERTIES

greencoreusa® Super High Yield Mortar exceeds the property requirements of ASTM C 270 and ASTM C 1714 for the type selected. Refer to Appendix XI of ASTM C270 for guidance in selecting the proper mortar type. See Table 1.

INSTALLATION

SURFACE PREPARATION

Surfaces to receive Super High Yield Mortar should be clean and free of dirt, loose debris, grease, oil, etc., for the best possible bond.

MIXING

Use clean water, approximately 10.5 pt (5 L) per 80 lb (36.2 kg) bag or 9 pt (4.2 L) per 65 lb (29.4 kg) bag. Pour 3/4 of the water into the mixer. With the mixer running, add bags of dry mortar and mix thoroughly. At least five minutes of mixing time is recommended. Add additional water in small amounts as necessary to achieve optimum workable consistency. Caution: Adding too much water will reduce strength. Let mix stand for 2 minutes to enable absorption of water and re-mix.

Table 1

Masonry Cement Mortars			
Type	Compressive Strength, psi (MPa)	Water Retention Minimum %	Air Content Maximum%
M	2500 (17.2)	75	18
S	1800 (12.4)	75	18

INSTALLATION

- Apply a full bed of mortar onto the base, approximately 1/2 - 3/4 in (13 - 19 mm) thick
- Push downward into the mortar bed and sideways against the previously laid block with a slight twisting motion
- Tool the mortar joints when they become thumbprint hard. This will make the mortar joint watertight and provide a neat appearance

CURING

Loss of surface water occurs rapidly under conditions of high temperature, low humidity, and wind. Lightly spray water as needed. Protect from rain for 24 hours. In cold weather, adequately cover and keep from freezing for a minimum of 24 hours.

RECOMMENDATIONS AND PRECAUTIONS

Always follow traditional industry best practices appropriate for the application and weather conditions. See www.greencoreusa.com for additional information.

- Setting time may be adjusted by using cold water at high temperatures or warm water at low temperatures.
- Do not apply when air or substrate temperatures are below or expected to fall below 40°F (4°C) within 48 hours of placement.
- Do not use as a grout.
- Water with a high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond manufacturer's control.

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.

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