

# NATURAL STONE VENEER MORTAR

PRODUCT NO. 1137-88

**DIVISION 4**

04 05 13 Masonry Mortaring  
04 20 00 Veneer Masonry

## PRODUCT DESCRIPTION

QUIKRETE® Natural Stone Veneer Mortar is a pre-blended, sanded product designed for veneer applications and tuck-pointing of natural stone.

## PRODUCT USE

QUIKRETE® Natural Stone Veneer Mortar is a construction-grade mortar mix designed for veneer applications and tuck pointing of natural stone veneers. QUIKRETE® Natural Stone Veneer Mortar can be used as a bond coat, scratch and brown coat and as a mortar joint grout over concrete and masonry surfaces or galvanized, expanded metal lath. The standard formulation meets the property requirements of ASTM C270 and C1714 as Type M mortar. QUIKRETE® Natural Stone Veneer Mortar is available in gray; additional colors may be available by special order.

## SIZES

QUIKRETE® Natural Stone Veneer Mortar is available in the following bag sizes:

- 80 lb (36.2 kg)

## YIELD

Each 80 lb (36.2 kg) bag of QUIKRETE® Natural Stone Veneer Mortar will yield approximately 0.71 ft<sup>3</sup> (20 L) and as a scratch coat will cover approximately 17 ft<sup>2</sup> (1.6 m<sup>2</sup>) at ½ inch (13 mm) thickness. Yield for tuck-pointing applications will vary with joint width.

## TECHNICAL DATA

### APPLICABLE STANDARDS

- ASTM C270 Standard Specification for Mortar for Unit Masonry
- ASTM C482 Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
- ASTM C1714 Standard Specification for Preblended Dry Mortar Mix for Unit Masonry
- Masonry Veneer Manufacturers Association Installation Guidelines for Adhered Concrete Masonry Veneer

### PHYSICAL/CHEMICAL

Typical results obtained for QUIKRETE® Natural Stone Veneer Mortar, when tested in accordance with the referenced ASTM test methods, are shown in Table 1.

## INSTALLATION

QUIKRETE® Natural Stone Veneer Mortar should be installed in accordance with the provisions of the Masonry Veneer Manufacturer's Installation Guidelines for Adhered Concrete Masonry Veneer and/or local governing building codes. It should also be installed in accordance with the instructions and requirements provided by the producer of the



manufactured stone or brick. Prior to installation, all surfaces should be cleaned before applying mortar. A water-resistant barrier should be applied to surfaces other than concrete or masonry, such as wood frame construction.

## Mixing

**WEAR IMPERVIOUS GLOVES**, such as nitrile when handling product.

QUIKRETE® Natural Stone Veneer Mortar can be hand mixed or can be machine mixed in a paddle-type mortar mixer. A minimum of 5 minutes of mixing is required. Add approximately 11-1/2 pints (5.4 L) of clean water into the mixing container for each 80 lb (36.2 kg) bag. Slowly pour the contents of the bag(s) into the mixing water. Mix until a firm, workable consistency is achieved. The ideal mortar consistency has been achieved when a ½ inch (13 mm) thickness of mortar will not fall off your trowel when held in a near vertical position. If more water is needed, add small amounts at a time and continue to mix until the desired consistency is achieved. The maximum water content is expected to be below 14 pints (6.6 L) for each 80 lb (36.2 kg) bag.

## Application

**WEAR IMPERVIOUS GLOVES**, such as nitrile when handling product.

Dampen the concrete, masonry or scratch coat substrate with a fine spray of water, but do not soak. Use a trowel to apply a ½ inch (13 mm) mortar base of QUIKRETE® Natural Stone Veneer Mortar or completely cover the back of the natural stone with ½ inch (13 mm) of mortar. Stone must be set within 30 minutes of applying mortar bed. Press the natural stone firmly into the mortar bed in a twisting motion. Joints between stones should be a consistent ½ inch (13 mm) or less.

## Grouting Joints

Wait 24 hours for units to set before grouting joints. Partially fill a grout bag with mixed QUIKRETE® Natural Stone Veneer Mortar. Squeeze the grout bag to fill joints around each stone. Once the material has become thumbprint hard, use a jointing tool to consolidate, smooth and seal the joints. Tooling time should remain consistent throughout the project in order to keep the color of the joint consistent. Remove all dry, loose mortar with a dry masonry brush.

**TABLE 1 TYPICAL PHYSICAL PROPERTIES**

Minimum Compressive Strength, PSI (MPa)	Bond Strength <sup>1</sup> , PSI (MPa)	Water Retention Minimum, %	Air Content Maximum, %
2500 (17.2)	≥ 100 (0.7)	≥ 75	≤ 12

<sup>1</sup>Tested following ASTM C482

**Curing**

Moist curing of masonry mortars is required if conditions are hot, dry, or windy. In such cases, a gentle mist of water applied to the surface will prevent premature drying and improve the strength of the mortar. Protect mortar from freezing during the first 48 hours. Plastic sheeting and insulation blankets should be used if temperatures are expected to fall below 32 °F (0 °C).

**PRECAUTIONS**

- Variations in mix water, amount, mix time, curing conditions, and finishing will cause color variations

**WARRANTY**

**NOTICE:** Obtain the applicable **LIMITED WARRANTY** at [www.quikrete.com/product-warranty](http://www.quikrete.com/product-warranty) or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of The Quikrete Companies, LLC. © 2021 Quikrete International, Inc.