

NATURAL STONE VENEER MORTAR

PRODUCT NO. 1137-88

PRODUCT DESCRIPTION

QUIKRETE® Natural Stone Veneer Mortar is a contractor-grade mortar mix designed for veneer applications and tuck pointing of natural stone.

PRODUCT USE

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. QUIKRETE® Natural Stone Veneer Mortar can also be integrally colored for mortar joint applications by adding QUIKRETE® Stucco and Mortar Color (No. 1319), available in 20 standard colors.

QUIKRETE® Natural Stone Veneer Mortar contains either Portland cement meeting ASTM C 150 and hydrated lime meeting ASTM C 207, or masonry cement meeting ASTM C 91, masonry sand complying with ASTM C 144 and may include other additives approved for use in masonry mortars.

SIZES

• Available in 80 lb (36.3 Kg) bags, and in 3000 lb (1360.8 Kg) Bulk bags.

YIELD

• Each 80 lb (36.3 kg) bag will yield approximately 0.71 cu. ft. (20.1 L, 0.02 M³) and as a scratch coat will cover approximately 17 sq. ft. (1.6 M²) at ½" (13 mm) thickness. Coverage in joints will vary with width.

TECHNICAL DATA

Applicable Standards

- ASTM C 144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C 91 Standard Specification for Masonry Cement
- ASTM C 150 Standard Specification for Portland Cement
- ASTM C 207 Standard Specification for Hydrated Lime for Masonry Purposes
- ASTM C 926 Standard Specification for Application of Portland Cement based Plasters

Physical Properties

QUIKRETE® Natural Stone Veneer Mortar, when tested under laboratory conditions, will achieve in excess of 2,500 psi (17.2 MPa) in 28 days, with a minimum water retention of 75%.

INSTALLATION

MIXING

QUIKRETE® Natural Stone Veneer Mortar can be mixed in a paddle-type mixer. Add approximately 4.5 quarts (4.3L) of clean mixing

DIVISION 4

Veneer Masonry
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water into the mixing container for each 80 lb (36.3 Kg) bag. Slowly pour the contents of the bag(s) into the mixing water. Mix until a firm, workable consistency is achieved. If more water is needed, add small amounts at a time and continue to mix until the desired consistency is achieved. Do not exceed a total volume of 1.78 gallons (6.7 L) of water for each 80 lb (36.3 Kg) bag.

Application Instructions

The application of QUIKRETE® Natural Stone Veneer Mortar is intended for use over galvanized, expanded metal lath (2.5 or 3.4 lbs per sq.yd., 1.4-1.8 kg/m²) and two layers of grade D water resistant building paper or over solid bases such as masonry, stone, cast-in-place or pre-cast concrete. Installation over these surfaces shall be in accordance with ASTM C 926 or local governing building codes.

Concrete & Masonry Surface Preparation

Prior to application over unpainted and unsealed concrete and masonry surfaces, all loose material, dirt, dust, grease and efflorescence must be removed. Paint and sealers must be completely removed or galvanized metal lath and grade D building paper must be secured over the surface.

Wood Frame Construction Preparation

A ½" (13 mm) scratch coat of QUIKRETE® Natural Stone Veneer Mortar must be applied over metal lath to provide a rigid backing for the natural stone. The scratch coat must be allowed to cure for minimum of 48 hours prior to installation of stone with additional QUIKRETE® Veneer Stone Mortar as described below.

Installation

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" (13 mm) mortar base of QUIKRETE® Natural Stone Veneer Mortar or completely cover the back of the stone with ½" (13 mm) of mortar. Stone must be set within 30 minutes of applying mortar bed. Press the stone firmly into the mortar bed in a twisting motion. Joints between stones should be a consistent ½" (13 mm) or less.

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. Remove all dry, loose mortar with a dry masonry brush.

Curing

Curing of masonry mortars is required only if conditions are very 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.

Note: Variations in mix water amount, mixing time, curing conditions and finishing will cause color variations

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.

The QUIKRETE® Companies
One Securities Centre
3490 Piedmont Rd., NE, Suite 1300, Atlanta, GA 30305
(404) 634-9100 • Fax: (404) 842-1425