

VENEER STONE MORTAR – POLYMER MODIFIED

PRODUCT NO. 1137-85, -38

PRODUCT DESCRIPTION

QUIKRETE® Veneer Stone Mortar – Polymer Modified is a pre-blended, polymer modified sanded product designed for veneer applications and tuck-pointing of manufactured and thin natural stone where increased bond is needed.

PRODUCT USE

QUIKRETE® Veneer Stone Mortar – Polymer Modified is a construction-grade polymer modified mortar mix designed for veneer applications and tuck pointing of manufactured stone, faux stone, thin brick, and thin natural stone veneers. QUIKRETE® Veneer Stone Mortar – Polymer Modified 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 S mortar. QUIKRETE® Veneer Stone Mortar – Polymer Modified is available in gray; additional colors may be available by special order.

Note: For heavy natural stone veneer applications use QUIKRETE® Natural Stone Veneer Mortar (No. 1137-88)

SIZES

QUIKRETE® Veneer Stone Mortar – Polymer Modified is available in the following bag sizes:

- 80 lb (36.2 kg)
- 36.3 kg (80 lb) available in Canada

YIELD

Each 80 lb (36.2 kg) bag of QUIKRETE® Veneer Stone Mortar – Polymer Modified will yield approximately 0.71 ft³ (20 L) and as a scratch coat will cover approximately 17 ft² (1.6 m²) at ½ inch (13 mm) thickness. Yield for tuck-pointing applications will vary with joint width.

TECHNICAL DATA

APPLICABLE STANDARDS

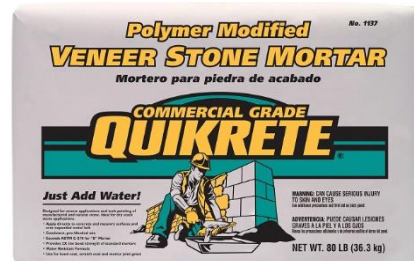
- ASTM C270 Standard Specification for Mortar for Unit Masonry
- ASTM C482 Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
- ASTM C1714 Standard Specification for Preblended Dry Mortar Mix for Unit Masonry
- Masonry Veneer Manufacturers Association Installation Guidelines for Adhered Concrete Masonry Veneer
- ACI 530 Building Code Requirements and Specification for Masonry Structures

PHYSICAL/CHEMICAL

Typical results obtained for QUIKRETE® Veneer Stone Mortar – Polymer

DIVISION 4

04 05 13 Masonry Mortaring
04 20 00 Veneer Masonry



Modified, when tested in accordance with the referenced ASTM test methods, are shown in Table 1.

INSTALLATION

QUIKRETE® Veneer Stone Mortar – Polymer Modified should be installed in accordance with the provisions of the Masonry Veneer Manufacturer's Installation Guidelines for Adhered Concrete Masonry Veneer, ACI 530, 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® Veneer Stone Mortar – Polymer Modified 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. Using a trowel, apply QUIKRETE® Veneer Stone Mortar – Polymer Modified at a minimum of ½ inch (13 mm) thick to surface making sure to embed the mortar into the wire lath (if used). Before the mortar begins to harden, use a notched trowel to "scratch" the mortar surface. Coat the back of each unit with mortar and press it firmly into place in a twisting motion, until the excess material extrudes from the sides of the unit. Stone must be set within 30 minutes

of applying mortar bed. 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® Veneer Stone Mortar – Polymer Modified. 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 ¹ , PSI (MPa)	Water Retention Minimum, %	Air Content Maximum, %
1800 (12.4)	≥ 100 (0.7)	≥ 75	≤ 12

¹Tested 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 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.