

MORTAR MIX

PRODUCT NO. 1102

PRODUCT DESCRIPTION

QUIKRETE® Mortar Mix is a construction grade mortar mix designed for laying brick, concrete masonry units and stone.

PRODUCT USE

QUIKRETE® Mortar Mix is a construction grade mortar mix designed for laying brick, concrete masonry units and stone. QUIKRETE® Mortar Mix is a pre-blended, sanded product. The standard formulation meets ASTM C 270 and C 1714 for Type N mortar.

COLORS

QUIKRETE® Mortar Mix is available in gray and additional colors by special order. Color can also be added to the product as it is mixed by adding QUIKRETE® Stucco and Mortar Color (#1319) to the mixing water. Twenty standard colors are available.

SIZES

- QUIKRETE® Mortar Mix -
 - 60 lb (27.2 kg) bags
 - 80 lb (36.2 kg) bags

YIELD

• Each 80 lb (36.2 kg) bag of QUIKRETE® Mortar Mix will lay up to 37 standard bricks or 13 standard (8 in x 8 in x 16 in [200 mm x 200 mm x 405 mm]) blocks.

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

QUIKRETE® Mortar Mix meets or exceeds the property requirements of ASTM C 270 and ASTM C 1714 for the type selected. Refer to Appendix XI of ASTM C 270 for guidance in selecting the proper mortar type. See Table 1.

INSTALLATION

SURFACE PREPARATION

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

DIVISION 4

Masonry Mortaring

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MIXING

- For each 80 lb (36.2 kg) bag, add 5 qt (4.7 L) of fresh water to mixer; for each 60 lb (27.2 kg) bag, add 4 qt (3.8 L)
 - Turn the mixer on and begin adding bags of Mortar Mix
 - If the material becomes too difficult to mix, add additional water until a workable mix of trowelable consistency is obtained
- Note - Maximum water content is expected to be 6 qt (5.7 L) for each 80 lb (36.2 kg) bag and 5 qt (4.7 L) for each 60 lb (27.2 kg) bag.

INSTALLATION

- Apply a full bed of mortar onto the base, approximately 1/2 in to 3/4 in (13 mm to 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

Table 1

| Hydraulic Cement- Lime Mortars or Cement Mortars | | | |
|--|---|---------------------------|-----------------------|
| Type | Minimum Compressive Strength, PSI (MPa) | Water Retention Minimum % | Air content Maximum % |
| M | 2500 (17.2) | 75 | 12 |
| S | 1800 (12.4) | 75 | 12 |
| N | 750 (5.1) | 75 | 14 ¹ |
| O | 350 (2.4) | 75 | 14 ¹ |
| Masonry Cement Mortars | | | |
| Type | Minimum Compressive Strength, PSI (MPa) | Water Retention Minimum % | Air content Maximum % |
| M | 2500 (17.2) | 75 | 18 |
| S | 1800 (12.4) | 75 | 18 |
| N | 750 (5.1) | 75 | 20 ² |
| O | 350 (2.4) | 75 | 20 ² |

¹When structural reinforcement is included, the maximum air content shall be 12%

²When structural reinforcement is included, the maximum air content shall be 18%

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.

PRECAUTIONS

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

www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.

WARRANTY

NOTICE: Obtain the applicable LIMITED WARRANTY: at

** Refer to www.quikrete.com for the most current technical data, SDS, and guide specifications*