Roof Tile Mortar FL 15

No. 1140-80

PRODUCT DESCRIPTION

Basic Uses: QUIKRETE® Roof Tile Mortars are to be used for the installation of clay and concrete flat, low profile, and high profile roof tiles over granular roofing paper or other approved underlayment material.

QUIKRETE® Roof Tile Mortar FL 15 is for installing flat and low profile clay and concrete tile on roofs up to 15' (4.6 M) high. It provides excellent adhesion for these tiles and is prepackaged in the proper proportions. Just add water and use.

Limitations: QUIKRETE® Roof Tile Mortar FL 15 is not to be used at heights above 15 ft. (4.6 M).

Composition and Materials: QUIKRETE® Roof Tile Mortar FL 15 is a high cement content Type M masonry mortar prepared from a proprietary mix which exceeds ASTM Type M masonry mortar requirements.

Sizes: QUIKRETE® Roof Tile Mortar FL 15 is packaged in 80 lb (36.3 kg) bags.

Color: QUIKRETE® Roof Tile Mortar FL 15 is cement gray in color.

Yield: One 80 lb. (36.3 Kg.) bag of QUIKRETE® Roof Tile Mortar FL 15 will yield approximately 0.75 cu. ft. (0.021 m^3) of mortar.

TECHNICAL DATA

QUIKRETE® Roof Tile Mortar FL 15 complies with the physical property requirements for Type M Masonry Mortar as defined in ASTM C 270. Additionally QUIKRETE® Roof Tile Mortar FL 15 has been tested in accordance with approved test procedures for static uplift resistance. Typical results obtained with QUIKRETE® Roof Tile Mortar FL 15 when tested in accordance with the appropriate ASTM standards are shown in tables 1 and 2.

INSTALLATION

Preparation: Cover Roof with Granular Roofing Paper in accordance with manufacturer's instructions and local building code requirements.

Mixing: Product will require about 1 1/4 gal (4.7 L) of fresh potable water per 80 lb. (36.3 kg) bag of QUIKRETE® Roof Tile Mortar. Add about 3/4 of the required water to a mortar mixer. Add the Roof Tile Mortar while mixing. Mix at least 3 min. Add the rest of the mixing water as required to achieve the proper consistency.

Installation: Presoak the tile until saturated with water. Apply mortar to the roof in accordance with tile manufacturer's recommendations and local building code requirements for the installation of concrete or clay roof tile.

Coverage: For a typical installation expect to use about 5 bags of QUIKRETE® Roof Tile Mortar per 100 sq. ft. (9.3 sq. m.) of roof.

Curing: Spray mist the roof starting as soon as the mortar hardens and continuing for 72 hr thereafter.

Working Time: Varies with temperature. In hot weather the product will stiffen in about hr. Do not mix more than can be used in hr. and do not retemper the mix more than once.

Temperature: Do not apply in sub-freezing weather. In hot weather keep the product in the shade and use cool water for mixing.

Warranty

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions 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

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One Securities Centre
3490 Piedmont Road, Suite 1300
Atlanta, GA 30305
404.634.9100

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 Atlanta, GA 30305. The limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

Table 1: Typical Test Results for QUIKRETE Roof Tile Mortar FL 15

Physical Properties	Test Method	Typical Results	Specification
Unit Weight	ASTM C 91	128 lb./ft^3 (2018 Kg/M^3)	
Air Content	ASTM C 91	10 %	<18 %
Water Retention	ASTM C 91	90 %	>75 %
Compressive Strength	ASTM C 109		
7 Day		2,500 psi (17.2 MPa)	
28 Day		3,500 psi (24.1 MPa)	>2,500 psi (17.2 MPa)

Table 2: Static Uplift Resistance (1)

Concrete and Clay Tile	Flat	F' = 56.1
Concrete and Clay Tile	Low Profile	F' = 33.3

(1) F'= Minimum Characteristic load as calculated by the approved Static Uplift Resistance method for tiles.

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