

# ROOF TILE MORTAR FL-15

PRODUCT NO. 1140-80, -83

## DIVISION 7

Roof Tile Fasteners  
07 32 05

### PRODUCT DESCRIPTION

QUIKRETE® Roof Tile Mortar FL-15 is a preblended mortar designed to be a primary or secondary attachment system for roof tiles.

### PRODUCT USE

QUIKRETE® Roof Tile Mortar FL-15 is designed for installing flat, low, and high profile clay and concrete tile on roofs over granular roofing paper or other approved underlayment materials. It is approved for use in the HVHZ (High Velocity Hurricane Zone). It provides excellent adhesion for these tiles and is prepackaged in the proper proportions. Just add water and use.

### SIZES

• QUIKRETE® Roof Tile Mortar FL-15 - 80 lb (36.3 kg) bags, available in Gray and White

### YIELD

• Each 80 lb (36.3 kg) bag of QUIKRETE® Roof Tile Mortar FL-15 will yield approximately 0.75 cu ft (21.2 L) of mixed mortar. For a typical installation, expect to use about 5 bags of QUIKRETE® Roof Tile Mortar FL-15 per 100 sq. ft (9.3 m<sup>2</sup>) of roof.

### TECHNICAL DATA

QUIKRETE® Roof Tile Mortar FL-15 complies with the physical property requirements for Type M masonry mortar as defined in ASTM C270. It meets or exceeds the characteristic resistance load requirements of Florida building code TAS 123, *Standard Requirements for Mortar Used in Mortar Set Tile Systems*. A properly handled mix will achieve the typical properties shown in Table 1 when tested in accordance with the appropriate ASTM standards:

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Physical Property	Typical Results	Specification
Unit Weight, ASTM C91	128 lb/ft <sup>3</sup> (2050 kg/m <sup>3</sup> )	
Water Retention, ASTM C91	85%	>75%
Compr. Strength, ASTM C109		
7 Days	2,500 psi (17.2 MPa)	
28 Days	3,500 psi (24.1 MPa)	2,500 psi (17.2 MPa)

### INSTALLATION

#### SURFACE PREPARATION

Cover roof with granular roofing paper in accordance with manufacturer's instructions and local building code requirements.



### MIXING

Product will require about 1 ¼ gallons (4.7 L) of fresh potable water per 80 lb (36.3 kg) bag of QUIKRETE® Roof Tile Mortar FL-15. Add about ¾ of the required water to a mortar mixer. Add the Roof Tile Mortar FL-15 while mixing. Mix for at least 3 minutes. Add the rest of the mixing water as required to achieve the proper consistency.

### APPLICATION

Presoak the tile until saturated with water. Apply mortar to the roof in accordance with the tile manufacturer's recommendations and local building code requirements for the installation of concrete or clay roof tile. Refer to Florida Building Code RAS (Roofing Application Standard) 120 – *Mortar and Adhesive Set Tile Application* and/or FRSA (Florida Roofing, Sheet Metal and Air Conditioning Contractors Association, Inc.) *Concrete and Clay Roof Tile Installation Manual* for specific application instructions.

### CURING

Spray-mist the roof starting as soon as the mortar hardens, and continue for 72 hr thereafter.

### PRECAUTIONS

Working time varies with temperature. Under standard conditions, the product will stiffen in about 90 minutes. Do not mix more than can be used in one hour, and do not re-temper the mix more than once. 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 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

\* Refer to [www.quikrete.com](http://www.quikrete.com) for the most current technical data, MSDS, and guide specifications

liability for consequential damages.

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