

DECK MUD

PRODUCT No. 154-50, -76

DIVISION 3

03 54 16 Hydraulic Cement Underlayment

PRODUCT DESCRIPTION

QUIKRETE® Deck Mud is a uniformly blended, mixture of portland cement meeting ASTM C150/C595, washed and graded sand meeting ASTM C144, and other proprietary ingredients that is proportioned according to American National Standard Specifications for the Installation of Ceramic Tile - Installation Standards A108.1A.2.2.1. It requires only the addition of water.

PRODUCT USE

QUIKRETE® Deck Mud is a contractor grade, pre-blended underlayment mortar mix used to level properly prepared substrates such as concrete, wood floors, and countertops for setting stone, pavers, and ceramic tile.

SIZES

- 50 lb (22.6 kg) bags
- 75 lb (34 kg) bags

YIELD

- A 50 lb (22.6 kg) bag of QUIKRETE® Deck Mud will yield approximately 0.41 ft³ (11.6 L) of material at the recommended consistency.
- A 75 lb (34 kg) bag of QUIKRETE® Deck Mud will yield approximately 0.62 ft³ (17.5 L) of material at the recommended consistency.

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C150 Standard Specification for Portland Cement
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ANSI A108 American National Standard Specifications for the Installation of Ceramic Tile - Installation Standards
- TCNA Handbook for Ceramic, Glass, and Stone Tile Installation

PHYSICAL/CHEMICAL

QUIKRETE® Deck Mud is proportioned according to ANSI A108.1A.2.2.1. Mix ratios can vary depending on local materials.

INSTALLATION

SURFACE PREPARATION

ANSI A108.01 surface preparation instructions should be followed prior to the application of QUIKRETE® Deck Mud. Additional recommendations include ensuring that smooth surfaces are scarified (roughened), removing all loose material and dust, and cleaning surface thoroughly. Do not leave standing puddles of water after cleaning.

MIXING

QUIKRETE® Deck Mud can be mixed by hand or machine mixed using a paddle style mortar mixer.



Mixing by Hand

Empty QUIKRETE® Deck Mud bag(s) into a suitable mixing container such as a mortar tub or wheelbarrow. Add initial water (see Table 1) and work the mix with a shovel, rake, or hoe until a homogeneous mixture is achieved. If the material becomes too difficult to mix, add additional water until a workable mix is achieved. Do not exceed the maximum water content listed in Table 1. This may cause a reduction in performance of the product.

Machine Mixing

Allow at least 1 ft³ (28 L) of mixer capacity for each 75 lb (34 kg) bag of QUIKRETE® Deck Mud to be mixed at one time. Add initial water according Table 1 to the mixer. Then slowly pour the contents of QUIKRETE® Deck Mud bag(s) into the mixer. If the material becomes too difficult to mix, add additional water until a workable mix is achieved. Do not exceed the maximum water content listed in Table 1. This may cause a reduction in performance of the product.

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Package Size lb (kg)	Starting Water Content pt (L)	Maximum Water Content pt (L)
50 (22.6)	5-1/4 (2.45)	7-1/4 (3.4)
75 (34)	8 (3.8)	11 (5.2)

Bonding Agents

For applications of ½ inch to 1 inch (13 mm to 25 mm) in thickness, replace half of the mixing water with QUIKRETE® Concrete Acrylic Fortifier (No. 8610) and mix as described above. For applications from 1 inch to 2 inches (25 mm to 50 mm) thick, coat the substrate with QUIKRETE® Premium Concrete Bonding Adhesive (No. 9902). Allow the bonding adhesive to dry before proceeding. Acrylic Fortifier and Concrete Bonding Adhesive are not to be used in conjunction.

APPLICATION

Consult the current ANSI A108.1 specification prior to application of QUIKRETE® Deck Mud. ANSI requires lath for applications over wood

and other masonry surfaces. Installations must conform to the specifications in the TCNA Handbook. When installing mud beds requiring reinforcements, place wire mesh reinforcement in the center of the mortar bed; reinforcements shall not butt against vertical surfaces.

CURING

Curing is an important step in the application of QUIKRETE® Deck Mud. Proper curing increases the strength and durability and poor curing can ruin an otherwise well-done project. Proper water content and temperature are essential for good curing. In near freezing temperatures, the hydration process slows considerably. When conditions are too hot, dry, or windy, water is lost by evaporation from the repair and hydration stops, resulting in finishing difficulties and cracks. The ideal circumstances for curing are ample moisture and moderate temperature and wind conditions. Curing should start as soon as possible and should continue for a period of 5 days in warm weather at minimum 70 °F (21 °C) or higher, or for 7 days in colder weather at 50 °F to 70 °F (10 °C to 21 °C).

PRECAUTIONS

- Protect QUIKRETE® Deck Mud from freezing during the first 48 hours.

SAFETY

IMPORTANT: Read Safety Data Sheet carefully before using. **WEAR IMPERVIOUS GLOVES**, such as nitrile, mask, and eye protection.

DANGER: Causes severe skin burns and serious eye damage. Prolonged or repeated inhalation of dust may cause lung damage or cancer.

KEEP OUT OF REACH OF CHILDREN

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. © 2022 Quikrete International, Inc.