

FLOOR MUD

PRODUCT No. 1548-81, -82

PRODUCT DESCRIPTION

QUIKRETE® Floor Mud is designed for flattening and leveling surfaces for travertine, slate, marble, ceramic, and glass floor tile and for shower pan applications. QUIKRETE® Floor Mud consists of a uniformly blended mixture of cement, graded sand, and other proprietary ingredients and requires only the addition of water.

PRODUCT USE

QUIKRETE® Floor Mud is a contractor grade, pre-blended underlayment mortar mix used to level properly prepared concrete and wood floors for setting tiles and installing shower pans. As per ANSI A108.1A,B, or C, QUIKRETE® Floor Mud is nominally proportioned according to ANSI A108.1A.2.3.1. Benefits include:

- Low-sag – supports heavy tile.
- Exterior or interior use.
- Typical 5000 PSI (34.4 MPa) compressive strength at 28 days.

SIZES

QUIKRETE® Floor Mud is available in the following sizes:

- 80 lb (36.2 kg) bags
- 60 lb (27.2 kg) bags

YIELD

- A 80 lb (36.2 kg) bag yields approximately 0.66 cu ft (18.7 L)
- A 60 lb (27.2 kg) bag yields approximately 0.50 cu ft (14 L)

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C150 Standard Specification for Portland Cement
- ASTM C387 Standard Specification for Packaged, Dry, Combined Materials for Mortar and Concrete
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ANSI A108.1A Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar
- ANSI A108.1B Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar
- ANSI A108.1C Contractors Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar
- TCNA Handbook for Ceramic, Glass, and Stone Tile Installation

DIVISIONS 3 & 9

03-54-16 Cement Underlayment
09 32 00 Mortar Bed Tiling



PHYSICAL/CHEMICAL

- QUIKRETE® Floor Mud is nominally proportioned according to ANSI A108.1A.2.3.1.
- QUIKRETE® Floor Mud complies with the compressive strength requirements for high strength mortars per ASTM C387. Typical compressive strengths exceed 5000 PSI (34.4 MPa) at 28 days.

INSTALLATION

SURFACE PREPARATION

Consult ANSI A108.1 specifications. ANSI requires a water barrier for applications over wood and other non-masonry substrates. Remove all loose material and dust. Clean surface thoroughly. Do not leave standing puddles. Not for application over paint or sealers.

MIXING

QUIKRETE® Floor Mud can be mixed in a paddle type mortar mixer. Choose the mixer size most appropriate for the size of the job. Allow at least 1 cu ft (28 L) of mixer capacity for each 80 lb (36.2 kg) bag of QUIKRETE® Floor Mud to be mixed at one time. For each 80 lb (36.2 kg) bag of QUIKRETE® Floor Mud to be mixed, add approximately 8 pints (3.7 L) of potable water to the mixer. For each 60 lb (27.2 kg) bag of QUIKRETE® Floor Mud to be mixed, add approximately 6 pints (2.8 L) of potable water to the mixer. Turn on the mixer and begin adding bags of QUIKRETE® Floor Mud to the mixer. If the material becomes too difficult to mix, add additional water until a workable mix is obtained.

QUIKRETE® Floor Mud may also be mixed by hand. For each 80 lb (36.2 kg) bag of mix, add approximately 8 pints (3.7 L) of potable water into a suitable mixing container. For each 60 lb (27.2 kg) bag of QUIKRETE® Floor Mud to be mixed, add approximately 6 pints (2.8 L) of potable water into a suitable mixing container. Then empty QUIKRETE® Floor Mud bag(s) into the mixing container. Work the mix with a shovel, rake, or hoe. Add additional water as needed to obtain a workable plastic-like consistency.

Note – Do not exceed a total volume of 11 pints (5.2 L) for each 80 lb (36.2 kg) bag or 8-1/4 pints (3.9 L) for each 60 lb (27.2 kg) bag.

For improved bond strength and water resistance, replace part of the mixing water with QUIKRETE® Concrete Acrylic Fortifier (No. 8610) or CUSTOM® Thin-Set & Mortar Admix. The recommended amount of QUIKRETE® Concrete Acrylic Fortifier (No. 8610) or CUSTOM® Thin Set & Mortar Admix is 4 pt (1.9 L) for each 80 lb (36.2 kg) bag or 3 pt (1.4 L) for each 60 lb (27.2 kg) bag.

APPLICATION

Refer to ANSI A108.1A, A108.1B, and A108.1C regarding application for the installation of ceramic and natural stone tiles, reinforcing requirements when used over wooden substrates, and for non-bonded mortar bed applications. When installing QUIKRETE® Floor Mud in a shower receptor, steam room, or wet areas requiring waterproof membranes, QUIKRETE® Floor Mud must be tamped and sloped towards the drain at 1/4 in per foot and have a waterproof membrane and flanged drain installed prior to floor mud installation. Refer to TCNA Handbook for Ceramic, Glass, and Stone Tile Installation for other methods and shower pan applications. Contact Technical Services for additional information: QUIKRETE (800) 282 5828 CUSTOM (800) 272-8786

CURING

Curing is an important step in the application of QUIKRETE® Floor Mud. Proper curing increases strength and durability. 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 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® Floor Mud from freezing during the first 48 hours.
- Do not apply when weather is forecast to be above 100 °F (38 °C) or below 40 °F (4 °C) within 24 hours without adopting appropriate hot or cold weather precautions.
- Cold Weather: In cool weather use warm water to speed the setting time. Protect from freezing for 49 hours.
- Hot Weather: Work in cool parts of the day and use cold water to slow down the setting time. Keep concrete or masonry substrates damp prior to application.

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. © 2024 Quikrete International, Inc.