



CEMENT & CONCRETE PRODUCTS™

BONDED TOPPING MIX

PRODUCT No. 1103

DIVISION 3

Maintenance of Concrete
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PRODUCT DESCRIPTION

QUIKRETE® Bonded Topping Mix is suitable for most concrete repair work, including the installation of fully bonded thin section repairs to concrete slabs, patios and steps.

PRODUCT USE

QUIKRETE® Bonded Topping Mix is a special blend of Portland cement, admixtures, bonding agents and specially prepared sand. The ratios of the components are controlled to give a product with excellent adhesion properties, rapid strength gain and excellent durability. This product is also suitable for use as a leveling course under thin-set mortars in the installation of ceramic tiles or under other porous surfacing materials.

Key advantages include:

- Rapid set – about 1½ hours at 18-24°C (65-75°F)
- Ready for foot traffic in about 2 ½ hours
- Moist curing is normally not necessary

SIZES

- QUIKRETE® Bonded Topping Mix - 18 kg (40 lb) bags
- 4.5 kg (9.9 lb) pails

YIELD

- For trowel applications, each 18 kg (40 lb) bag of QUIKRETE® Bonded Topping Mix will yield approximately 1.7 m² at 6 mm (18 ft² at ¼") thickness
- For broom applications, the yield will vary with the texture and thickness required. For most broom applications, a yield of approximately 7-8 m² (75-85 ft²) per 18 kg (40 lb) bag can be expected.

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Water Requirement	2.6 L / 18 kg bag (0.7 US Gal / 40lb bag)
Flow (ASTM C230)	115-125%
Working Time at 20oC (68oF)	30-40 minutes
Compressive Strength (CAN3-A23.2-1B)	
At 1 day	17 MPa (2460 psi)
At 7 days	34 MPa (4930 psi)
At 28 days	38 MPa (5510 psi)
Tensile Bond to Concrete (ASTM C1583)	
At 7 days	0.8 MPa (116 psi)
At 28 days	1.4 MPa (200 psi)

INSTALLATION

SURFACE PREPARATION

Prepare the surface of the concrete by thoroughly cleaning to remove

all dirt, moss, paint, oil, dust and other contaminants. Saturate the surface with clean water. Remove any puddles and allow the surface to partially dry before applying QUIKRETE® Bonded Topping Mix.

MIXING

Place the dry mix in a clean wheelbarrow or other mixing container. Mix only as much material as can be installed within 30 minutes of the start of mixing. Mix in sufficient water to give the required consistency. For each 18 kg (40 lb) bag, use up to 2.6 L (0.7 US gallons) of water for trowel application. Approximately 500 ml (1 pint) of extra water will bring the mix to a slurry consistency for broom application.

APPLICATION

When mixed to a consistency suitable for trowel application, the product may be applied at thicknesses of up to 12 mm (1/2 inch). Work a thin layer of material into the prepared surface to act as a primer or slurry coat, then build up to the required thickness and trowel to the preferred finish. DO NOT over-trowel. For greater total thicknesses, apply in layers of 12 mm (1/2 inch) each, allowing overnight curing between successive layers. For broom applications or slurry coats, use a stiff bristled broom to work the mix into the surface, then broom lightly to obtain an even surface texture.

PRECAUTIONS

- Mixing and placing temperatures should be in the range of 10-27°C (50-80°F). Protection from direct sunlight is desirable under hot or windy conditions.

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 liability for consequential damages.

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