

COUNTERTOP MIX

PRODUCT NO. 1106-80, -81

DIVISION 3

Structural Concrete
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PRODUCT DESCRIPTION

QUIKRETE® Countertop Mix is a flowable, high strength commercial grade concrete mix designed for use in concrete countertops, requiring only the addition of water.

PRODUCT USE

QUIKRETE® Countertop Mix is designed specifically for casting concrete countertops. Countertop Mix is available in standard gray (-80) and as a light colored tint-base (-81) for use with QUIKRETE® Liquid Colors. Add QUIKRETE® Liquid Cement Color or QUIKRETE® Stucco & Mortar Color directly to the mixing water, following the directions on the bottle. QUIKRETE® Liquid Cement Color is available in red, brown, buff, charcoal and terra cotta. QUIKRETE® Stucco & Mortar Color is available in twenty custom colors.

SIZES

- QUIKRETE® Countertop Mix - 80 lb (36.3 kg) bags

YIELD

- Each 80 lb (36.3 kg) bag of QUIKRETE® Countertop Mix will yield approximately 0.6 cu ft (17L) of mixed concrete.

TECHNICAL DATA

QUIKRETE® Countertop Mix exceeds the performance requirements of ASTM C387, "Standard Specification for Packaged, Dry, Combined Materials for Mortar and Concrete." A properly handled mix will achieve the following typical properties when tested in accordance with that specification:

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Compressive strength, ASTM C39

Age	Typical Values
24 hours	2000 psi (13.8 MPa)
7 days	4000 psi (27.6 MPa)
28 days	6000 psi (41.4 MPa)

INSTALLATION

SURFACE PREPARATION

Prepare all forms, inserts and knockouts with a light application of form-release agent. Support forms in such a fashion that they may remain undisturbed for 18 or more hours after pouring. Be certain to clean any debris or dust from the mold surfaces prior to pouring.



MIXING

QUIKRETE® Countertop Mix can be mixed in a barrel type concrete mixer or a 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 (36.3 Kg) bag of Countertop Mix to be mixed at one time.

For each 80 lb (36.3 Kg) bag of Countertop Mix to be mixed, add approximately 1 gallon (3.8 L) of fresh water to the mixer. Turn on the mixer and begin adding the bags of concrete. If the material becomes too difficult to mix, add water sparingly until a flowable mix is obtained. Machine-mix for a minimum of three minutes after the final water addition. The recommended slump is 5" - 7" (127-178 mm). Do not exceed recommended slump range. Note: Final water content should be 8-9 pints (3.8 – 4.3 L) per 80 lb (36.3 Kg) bag.

For a decorative look, glass or colored stone can be added to the mixture. Do not add more than 20 lb (9 Kg) of glass or stone per 80 lb (36.3 Kg) bag. Conduct trial pours when using decorative additions or colors to ensure the final pour meets expectations.

APPLICATION

Pour into prepared forms, paying particular attention to consolidating material around mold inclusions. Fill the form to full depth at one end, then work toward the other end. Place the repair material quickly and continuously, using light rodding to eliminate bubbles. Mechanical vibration may assist in the placement process, if the forms permit. Once the mold is filled, use a straight board (screed), moving the edge back and forth with a sawing motion to smooth the surface. Use a darby or bull float to float the surface; this levels any ridges and fills voids left by the straight edge. Bubbles from entrapped air may be grouted after demolding. Apply a trowel finish once the poured concrete achieves thumbprint-hardness.

CURING

Proper curing increases the strength and durability of concrete. Curing should be started as soon as possible and should continue until removed from the molds at 18 hours or later. QUIKRETE® Countertop Mix should be moist-cured by tenting with plastic sheeting

– exercise caution to prevent the tent from contacting the fresh concrete as it will leave surface imperfections.

FINISHING

Properly cured concrete countertops may be removed from their molds in 18 or more hours. Use extreme caution in removing inserts or knock-outs. The finished countertop may be sanded or polished as desired.

Note: For sanitary purposes and improved acid resistance (citric acid, vinegar, etc.), concrete countertops intended for kitchens should be sealed with a suitable high-solids acrylic sealer; epoxy coating or food-safe wax. Consult sealer manufacturer's recommendations for application to finished countertops. A high-density foam roller has been found to provide a satisfactory finish on countertops.

PRECAUTIONS

- Mix no more than can be used in 30 minutes

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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** Refer to www.quikrete.com for the most current technical data, MSDS, and guide specifications*

