



Countertop Mix

No. 1106-80

Uses: QUIKRETE® Countertop Mix is a flowable high strength commercial grade concrete mix designed for use in precast and cast-in-place concrete counter tops, requiring only the addition of water.

Composition and Materials: QUIKRETE® Countertop Mix consists of a uniformly blended properly proportioned mixture of Portland cement, 3/8" (10 mm) aggregate, graded sand, super-plasticizer and other proprietary additives.

Packaging: Available in 80 lb (36.3 kg) bags.

Yield:

Each 80 lb. (36.3 Kg) bag of Countertop Mix will yield approximately 0.60 cu. ft. (0.017 M³).

Technical Data:

QUIKRETE® Countertop Mix meets and exceeds the performance requirements of ASTM C 387 for normal-weight concrete, and will achieve the following typical properties when tested in accordance with that specification:

Property	Result
Water Demand (per 80# bag)	7-8 pints (3.3 – 3.8 L)
3 days	2,500 psi (17.7 MPa)
7 days	3,500 psi (24.1 MPa)
28 day Strength	5,000 psi (34.5 MPa)

Preparatory Work:

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 48-72 hours after pouring.

Mixing:

For a decorative touch, add QUIKRETE® Liquid Cement Color directly to the mixing water following the directions on the bottle. QUIKRETE® Liquid Cement Color is available in five colors: red, brown, buff, charcoal and terra cotta.

MACHINE 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 to be done. Allow at least 1 cu ft (28 L) of mixer capacity for each 80 lb (36.3 kg) bag of QUIKRETE® Countertop Mix to be mixed at one time. Mix only enough countertop mix as can be placed in 1 hour.

• For each 80 lb (36.3 kg) bag of QUIKRETE® Countertop Mix to be mixed, add approximately 7 pt (3.3 L) of fresh water to the mixer. Turn on the mixer and begin adding the bags of concrete to the mixer

- If the material becomes too difficult to mix, add additional water until a flowable mix is obtained.
- Machine mix for a minimum of 3 minutes after the final water addition.

Note - Final water content should be approximately 7-8 pt (3.3-3.8 L) per 80 lb (36.3 kg) bag

Installation:

Pour into prepared forms, paying particular attention to consolidate material around mold inclusions. Fill the mold to full depth at one end, then work toward the other end. Once the mold is filled, use a straight board to strike off excess Countertop Mix, moving the edge back and forth with a saw-like motion. Mechanically vibrate the material to remove any entrapped air around the mold.

Note - Entrapped air will leave unsightly bubbles on the surface which must later be grouted.

Curing:

Proper curing increases the strength and durability of concrete. Curing should be started as soon as possible and should continue for a period of 48-72 hours.

Countertop Mix should be moist cured by covering with plastic sheeting.

Finishing:

Properly cured concrete countertops may be removed from their molds in 48-72 hours. Use

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extreme caution removing inserts or knock-outs as the countertop is still fragile. The finished countertop may be sanded or polished as desired.

Note – for sanitary reasons and improved acid resistance (citric acid, vinegar, etc.), concrete countertops intended for kitchens should be sealed with a suitable high-solids acrylic sealer or food-safe wax. Consult manufacturers' recommendations for application to finished countertops.

Warranty

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions 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 at Atlanta, GA 30305. The limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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