



CONCRETE COUNTERTOP MIX

◆ The Pro's Choice Since 1936



Sakrete® Concrete Counter Top Mix Contains uniformly blended aggregates, Portland cement and special additives to produce a flowable mix with high compressive strength and low shrinkage.

Features:

- High Strength 6,000 psi
- Exceeds 2,000 psi in 24 hours
- Full depth applications 2" (51 mm) or greater
- Can be polished
- Can be colored with Sakrete Cement Colors
- Ideal for structural applications requiring a small volume of concrete

Use For:

- Indoor and Outdoor CounterTops
- TableTops
- Patio slabs
- Driveways

Yield/Water/Coverage:

Bag Size	Yield	Water
80 lb (36.3 kg)	0.6 ft ³ (.016 m ³)	4 qt (3.8 L)

To determine coverage: Multiply Length (feet) x Width (feet) x Thickness (inches) and divide by 12. Then divide by the yield in the chart above to determine the numbers of bags needed. See Calculator on Sakrete.com for additional assistance. Yield and water are approximate.

Technical Data:

Sakrete Concrete CounterTop Mix meets or exceeds the compressive strength requirements of ASTM C387 when mixed according to specification.

Compressive Strength ASTM C39

24 hours = 2,000 psi (13.8 MPa)

28 days = 6,000 psi (14.4 MPa)

Slump Range = 5" - 7" (127 - 178 mm)

DIVISION 3

Structural Concrete – 03 31 00

Color:

Gray

Preparation/Application:

For best results all materials should be stored between 40°F (4°C) and 80°F (27°C) 24 hours prior to installation.

Refer to:

- ACI 302.1 Guide for Concrete Flooring and Slab Construction
- ACI 304.1 Guide for Measuring, Mixing, Transportation and Placing Concrete

1. Forms must be coated with a release agent prior to beginning.
2. Forms made from melamine coated boards are easiest to strip.
3. Forms should be constructed and properly supported in a manner that they can remain stable and undisturbed during and after filling with the Sakrete Countertop Concrete Mix. Concrete mix weighs up to 145 lbs (66 kg) per cubic foot.
4. Depending on the size of the countertop, it may be necessary to imbed wire mesh or other reinforcement in the concrete.
5. Assure forms are clean and free of any dust, dirt and foreign materials prior to the start of the pour.

Refer to:

- ACI 305R Guide to Hot Weather Concreting
- ACI 306R Guide to Cold Weather Concreting

Mixing:

1. The use of a mechanical mixer is recommended.
2. Mix only the amount of material that can be placed in 30 minutes.
3. If pigment is used, add the pigment to the water first. Then add the dry concrete and mix.
4. Mix full bag of material with up to 4 qts (3.8 L) of clean potable water. Add 3 qts (2.8 L) of water initially. Then add the remainder as needed.
5. Mix for 2 - 3 minutes, allow mix to sit for a minute and then remix for several more minutes.
6. Excess water reduces strength and durability and can cause cracking, dusting or scaling a 5 - 7" (127 - 178 mm) slump should be achieved.

Placement:

1. Pour the Sakrete Concrete Countertop Mix into the form filling to full depth and taking care to assure all corners are filled full.
2. Evenly disperse material using a float.
3. Lightly vibrate the form using a vibrator or by tapping the sides of the forms to eliminate any voids.
4. Screenshot the surface of the concrete using a clean, straight-edged 2" x 4" (51 - 103 mm) pulled in a slow sawing motion across the top of the mold edges.
5. Use a float over the surface to remove any ridges and fill any voids.

Finishing:

1. The process used for finishing depends upon the desired result. The counter top can be mechanically polished, stained and sealed.
2. Countertops used in kitchens or in areas where food will be present should be sealed with sealers that are specifically designed and FDA approved for that purpose.



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Curing:

1. No special curing is needed. However countertop should not be cured in a very cold or hot environment and stay within 40°F (4°C) and 80°F (27°C).
2. Strip forms at 24 hours.

Precautions:

Air, mix and substrate temperatures should be between 40°F (4°C) and 80°F (27°C) with no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times
- Use only clean mixing container and tools
- Do not over trowel
- Do not overwater
- Do not add any materials other than clean potable water or Sakrete Bonder and Fortifier. See Technical Data Sheet for mixing instructions.
- Protect from freezing for 48 hours

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product.

WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).

KEEP OUT OF REACH OF CHILDREN.

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.