



The Pro's Choice Since 1936

5000 Plus High Strength Concrete Mix

PRODUCT # 10380

Sakrete® 5000 Plus Concrete Mix is a professional high early strength blend of portland cement, sand and gravel that is formulated to attain high early strengths and superior durability. For repair and building jobs where concrete thickness exceeds 2 inches (50 mm). Ideal for building walks, drives, patios and steps, as well as pouring footings and setting posts and poles. Just add water and mix.

FOR COUNTERTOP APPLICATIONS ONLY the concrete can be applied to a minimum thickness of 1 1/2". Endorsed by CHENG Concrete, the leading innovator in the design and creation of concrete countertops by Fu-Tung Cheng.

SAFETY:

READ and UNDERSTAND the Material Safety Data Sheet (MSDS) before using this product. WARNING: Wear protective clothing and equipment. See HMIS block. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

PREPARATION:

When repairing concrete, remove all loose and foreign material. Dampen adjoining concrete surfaces.

MIXING:

Empty the contents into a mortar box, wheelbarrow or mechanical mixer. When mixing by hand, form a crater for adding water. Add approximately 4 quarts (3.7 L) of clean water per 80 lb. (36.2 kg) bag or enough to achieve a workable mix. If too stiff, add more water a little at a time. Avoid a soupy mix. Excess water reduces strength and durability and can cause cracking. In cold weather use warm water to accelerate the set. Use cold water to slow the set in hot weather.

PLACEMENT:

Place and consolidate the SAKRETE® 5000 Plus Concrete Mix. Work the material into voids, then level the surface with a straight edge board. Allow freshly placed concrete to set about 1 hour or until the surface water has begun to disappear before finishing. Time will vary with weather conditions.

FINISHING:

Level with a screed and allow the bleed water to evaporate. Use a float to remove surface imperfections and trowel to a smooth finish. For a rougher surface, use a broom. Refer to ACI 302. Finishing cementitious materials too early, or over-working the materials can cause dusting, cracking, scaling and a weak surface.

CURING:

Curing means maintaining proper moisture and temperature. Account for local environmental conditions when selecting the curing method. High heat, low humidity or wind will increase the evaporation of water. Keep the surface damp using a sprinkler, wet burlap, Sakrete Cure 'N Seal or cover with plastic for several days as needed. In cold weather adequately cover and keep from freezing for a minimum of 24 hours. Refer to ACI 308.

When used as directed and in accordance with ASTM C 387 Specification, SAKRETE® 5000 Plus Concrete Mix exceeds 5,000 psi after 28 days.

STORAGE:

Store in a tightly closed container off the floor in a dry place.

TECHNICAL DATA:

Exceeds ASTM C 387 when used as directed

Compressive Strength

3 day 2,500 psi (17 MPa)

7 day 3,500 psi (24 MPa)

28 day 5,000 psi (34 MPa)

How Much Concrete Do You Need? Estimate of the number of whole 80lb. (36.2 kg) bags of Sakrete 5000 Plus Concrete Mix to place a slab						
Area in Sq. Ft. (sq. m.)	3 (.03)	6 (.06)	9 (.08)	15 (1.4)	24 (2.2)	45 (4.2)
Slab 4" thick (100 mm)	2	4	5	9	14	25
Slab 6" thick (150 mm)	3	5	7	13	20	38

To determine coverage: Multiply Length x Width x Thickness all in feet (meters) = cubic feet (cubic meters); divide by 0.60 cubic feet (0.016 cubic meters) per bag = Number of 80 lb. (36.2 kg) bags needed for given job.

NOTE: Convert all measurements in inches (mm) to feet (meters). 4 inches (100 mm) = 0.33 feet (0.1 m)

PACKAGING:

80 lb. bag (36.2 kg) - UPC: 7-64661-10380-6



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ENVIRONMENTAL ADVISORY:

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

WARNING! CAUSES IRRITATION - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Exposure may result in irritation of the skin, eyes or nasal passages from alkali in Portland cement. When wet, contact with the skin or eyes may result in irritation or burns. **FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get prompt medical attention; for skin, wash thoroughly with plenty of soap and water. If irritation persists, get medical attention. **WARNING! HARMFUL IF INHALED** - Avoid breathing dust. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen.

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 date 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 of defective product or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

The SAKRETE Companies
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