

## SAKRETE Sand Mix

SAKRETE Sand Mix topping and bedding mix is a pre-blended, ready to use mixture of Portland Cement and well graded natural sand. It is designed for new concrete construction projects, concrete overlays and repairs where a thickness of 5 cm (2") or less is required. Can be finished smooth by trowel or textured using a broom or brush. Can be opened to foot traffic in 24 hours. Meets or exceeds strength requirements ASTM C 387 strength requirements.

### FEATURES & BENEFITS

- general purpose applications
- ready to use- just add water

### USES

Ideal for thin applications from 1.3 cm (1/2") to 5 cm (2") in thickness. Use for overlaying concrete repairs, filling cracks in concrete, parging and as a base for shower stalls. Can also be used as a bedding mix or joint grout for flagstone, slate, brick walkways and patios.

### PROCEDURES

Mix and substrate temperatures should be maintained between 5 and 30°C (40 and 86°F) for at least 24 hours prior to and 48 hours after.

#### Surface Preparation:

**New construction:** Prepare the area as required for the project.

**Repairs:** Surfaces to be repaired must be sound and clean. Remove all delaminated or unsound concrete by chipping with a hammer and chisel or using a stiff wire brush. Clean the area to be repaired with potable water, leaving the concrete saturated but free of standing water. Some very porous concretes may require several applications of water to ensure complete saturation. If required, construct forms around the old sidewalk or slab. Use a level to ensure the forms are set at the correct height and there is adequate slope for water drainage. For best results, apply SAKRETE Concrete Adhesive to the existing dampened substrate before pouring.

**Mixing:** Empty contents of bag into mortar box, wheelbarrow or mechanical mixer. When mixing by hand form a crater for adding water. Add approximately 4 L (4 1/4 quarts) of clean water per 30 kg (66 lb) bag or enough to achieve a workable mix. 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.

**Placing:** After mixing, place and consolidate inside the area. Level, moving a straight edged board in a sawing motion across SAKRETE Sand Mix removing any excess and filling low areas. Allow freshly placed material to set or until the surface bleed water evaporates before finishing. Time will vary with weather conditions.

**Finishing:** After bleed water evaporates, finish as desired. It is recommended to use a wood, magnesium or aluminum float trowel for a smooth surface. For a textured surface use a broom or brush. Use an edger tool to finish edges. Finishing cementitious materials too early, or over-working the materials can cause dusting, cracking, scaling and a weak surface.

Note: Stress control joints are placed to control where slabs crack, along a pre-determined path. Use either a hand jointer while the mix is soft or saw cut 6-18 hours after hardening. The joint should be 1/5 of the full thickness of the slab and every 2.4 m (8 ft.) in both directions. Adjust down for appearances (centering). Should the repair overlay be placed over an existing concrete joint or break, it is important to tool a joint into the soft mix over the existing joint or break. Use a jointer tool to form a joint half the depth of the repair.

### FILLING CRACKS:

After mixing, work the SAKRETE Sand Mix into the crack with a rod or stick then level the surface with a straight edge. Finish as desired.

**Curing:** Curing means maintaining proper moisture and temperature. Allow newly placed material to set until surface is hard to the touch. SAKRETE Sand Mix will set in approximately 6 hours. Then keep material damp or cover with plastic to prevent evaporation of mix water for at least three (3) days. Protect from freezing for at least 24 hours. Can be opened to foot traffic in 24 hours.

### TECHNICAL DATA

<b>Compressive Strength</b>	3 day 15 MPa (2175 psi)
	7 days 20 MPa (2900 psi)
	28 days 35 MPa (5000 psi)

Meets or exceeds strength requirements of ASTM C 387 when used as directed.

### PAINTING

Concrete must be fully cured (approximately 28 days) and dry before painting. Refer to paint manufacturer directions for application instructions.

### YIELD

30 kg (66 lb) yields approximately 0.014 m<sup>3</sup> (1/2 ft<sup>3</sup>)

### SLABS

A slab 0.7 m<sup>2</sup> at 2 cm thickness (12 ft<sup>2</sup> at 1/2") requires 30 kg (66 lb)

**Slab Calculator:** 5 cm (2") or less

Length (ft) \_\_\_ x Width (ft) \_\_\_ x Depth (in) \_\_\_ ÷ 12 = cubic feet \_\_\_  
x 2 = # of 30kg bags required \_\_\_.

Length (m) \_\_\_ x Width (m) \_\_\_ x Depth (cm) = \_\_\_ ÷ 100 = cubic meters  
÷ 0.014 = \_\_\_ # of 30kg bags required.

### PACKAGING      UPC

30 kg (66 lb) bag      055226130666

### STORAGE & SHELF LIFE

Material should be stored in a dry covered area protected from the elements.

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### SAFETY PROCEDURES

CAUSES BURNS. Do not swallow. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Handle with care. Keep out of reach of children. Wear safety glasses, protective clothing and dust mask. Use only in a well-ventilated area.

**FIRST AID TREATMENT:** Contains cement, when wet forms a calcium hydroxide solution. If swallowed call a poison control center or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for at least 15 minutes. If on skin, rinse well with water. If on clothes remove clothes. If breathed in, move person to fresh air.

### WEBSITE

For more information and other projects, visit us at [www.king-products.com](http://www.king-products.com) or call us at 866-725-7383.

Warranty: This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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