



## How to..... Repair Concrete Surfaces using **SAKRETE fast-patch** or **SAKRETE top'n bond**

Concrete surfaces that are deteriorating, damaged and uneven, may pose serious safety hazards. Also, if neglected, the entire structure may need replacing. KING offers two concrete products to facilitate repairs, **SAKRETE fast-patch** or **SAKRETE top'n bond**.

**SAKRETE fast-patch** is a pre-blended, fast-setting, non-shrinking, high strength, cement mixture designed to facilitate fast and easy concrete and masonry repairs. Use for applications where a thickness of 5 cm (2 inches) or less is required. Sets in minutes and may be driven on in only 2 hours. By adding gravel, SAKRETE fast-patch can be used for repairs exceeding 5 cm (2 inches) thick. Just add water.

### USES

This product is ideal for fast repairs to concrete sidewalks, curbs, driveways, floors, steps, parking garages, loading docks, highway structures, pre-cast units and concrete pipe. It may also be used to anchor posts, parking meters and guard rails.

### ATTENTION: WEAR GLOVES, SAFETY GLASSES AND PROTECTIVE CLOTHING!

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

**STEP 1: Surface Preparation:** Surfaces to be repaired must be structurally sound and clean. Remove all delaminated or unsound concrete by chipping with a hammer and chisel, or by 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.

**STEP 2: Mixing:** Place a small amount of SAKRETE fast-patch in a clean container and add cold, clean water until the mix is like a slurry. Brush or broom this slurry coat over the dampened repair area to act as a prime. Then, place remaining contents into a clean mixing container. Add approximately 120 mL (4 oz) of clean water per 1 KG (2.2 lb), or enough to achieve a workable mix (mortar consistency like putty). Do not mix longer than 1 minute. Avoid a soupy mix. Excess water reduces strength and durability, and can cause cracking. In cold weather, use warm water to accelerate the set. In hot weather, use cold water to slow the set. Discard any product that sets up. For repairs greater than 5 cm (2 inches) in depth, add fine gravel that is 1.25 cm (1/2 inch) or smaller, at a rate of 0.5 KG (1.1 lb) per 1 KG (2.2 lb) of SAKRETE fast-patch. The gravel and SAKRETE fast-patch should be dry mixed together before adding the water.

**STEP 3: Placing:** After mixing, use a trowel and apply over slurry coat while it is still wet. Force the mixture into the roughened repair area. For deep repairs, rod and tamp to eliminate voids in the patch.

**STEP 4: Finishing:** Level and smooth the patched area at once.

**STEP 5: Curing:** Curing means maintaining proper moisture and temperature. Under normal temperatures, keep the repair damp by spraying with a fine mist of water or cover with a plastic sheet for at least 30 minutes. When exposed to high heat, direct hot sunlight, dampen and keep covered for at least 24 hours to protect repair from rapid drying.

### Tips for repairing concrete surfaces with SAKRETE fast-patch:

- 1) Clean concrete.
- 2) Apply to a damp surface.
- 3) Use proper safety equipment (i.e. safety glasses, gloves, etc.).

For additional information, please refer to the Technical Data Sheet.



For more information and other projects, visit [www.sakretecanada.com](http://www.sakretecanada.com)