KING

top'n bond®

DESCRIPTION

King top'n bond is a scientifically formulated cement mix specifically designed for repairing concrete surfaces quickly and easily. The chemicals "spring into action" when water is added, yielding a grey plastic workable mix that is easy to use. King top'n bond is self-curing and forms a bond that is 8 to 10 times stronger than that of regular cement mix.

USES

- For smoothing uneven concrete surfaces. May be feather edged. Single applications should not exceed ½" thickness.
- As a block filler or parge coating for basement walls.
- As a mortar for repairing masonry and setting dense surfaced stone, marble or slate.
- As a setting bed for quarry tile, flagstone, brick, patio block units, etc.

Initial Set — approximately 2–3 hours.

SURFACE PREPARATION

Surfaces to be topped must be structurally sound and clean. Remove any dirt, sand, dust, paint, etc. by sweeping, vacuuming, scraping or wire brushing as required. If small amounts of grease or oil are present, scrub vigorously with a strong detergent solution and flood with large volumes of water. Do not use King top'n bond on surfaces in which large amounts of oil or grease are present. THOROUGHLY SATURATE THE AREA TO BE RESURFACED WITH CLEAN WATER AND REMOVE ALL FREE STANDING WATER. SOME VERY POROUS CONCRETES MAY REQUIRE SEVERAL APPLICATIONS OF WATER TO ENSURE COMPLETE SATURATION.

MIXING

Water should be added at the rate of 140 millilitres per kilogram of top'n bond.

Put the dry mix into a waterproof box or other container, or onto a non-absorbent surface for mixing. Add the water in small amounts until the desired consistency is obtained. Use a trowel, scoop or hoe, and mix to uniform consistency, making sure that all pockets of dry material are thoroughly blended in. Small amounts of water may be added if the mix is on the dry side. Mix only the amount of King top'n bond that can be used in 30 minutes.

APPLICATION

1. For filling shallow areas, up to 1.25 cm (½ inch) deep, trowel in a thin layer to prepared surface, forcing mix into the pores of the old concrete. Then immediately spread more mix to required thickness. Level off and finish smooth with dampened trowel.
2. For filling deeper areas, exceeding 1.25 cm (½ inch) depth, trowel in a thin layer to prepared surface, forcing mix into the pores of the old concrete. Then immediately spread more mix to 1.25 cm (½ inch) thickness and allow to harden for 24 hours. Do not finish smooth. Then apply another 1.25 cm (½ inch) thick layer of King top'n bond, if necessary, and allow to harden for 24 hours. Repeat if necessary. When required thickness is reached, level off and finish smooth with dampened trowel.

During cold weather, it is advisable to store King top'n bond at room temperature for a 24 hour period prior to use. For application under cold conditions, use warm water, 37°C (100°F), for mixing and ensure that temperature of both the mix and floor surface remain well above 4ºC (40ºF) for at least 24 hours.

KING TOP'N BOND

COVERAGE

20 kg (44 lb) approximately 1.86 m^2 at .6 cm thickness (20 sq. ft. at ¼ inch)

10 kg (22 lb) approximately .93 m^2 at .6 cm thickness (10 sq. ft. at ¼ inch).

Coverage indicated varies with the irregularity of the surface coated.

CURING

Because of high water retention properties, King top'n bond requires no special curing under normal conditions. When exposed to direct, hot sunlight, cover or shade patched area for 24 hours. Do not wet the surface with water after troweling operation has been completed. Under normal conditions, at temperatures 21°C (70°F) and above, repaired surface can be used for light traffic after 12 to 24 hours and heavy traffic after 48 hours.

SPECIFICATIONS

Design strength exceeds ASTM-C-387 for High Early strength concrete, and in addition has excellent Shear Bond and Tensile Strength.

Typical Compressive Strength

3 days	3,000 PSI	20 MPA
7 days	3,400 PSI	23 MPA
28 days	4,000 PSI	27 MPA

CLEAN UP

Clean all tools with water immediately after use.

IMPORTANT

Store in a dry place.

CONTAINERS	SHIPPING WEIGHT
2.5 kg pail	5 lb
5 kg pail	11 lb
10 kg bag	22 lb
20 kg bag	44 lb

CAUTION

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.

WEB SITE

For more information and other projects, visit us at www.king-products.com.