



How to.....

Repairing Concrete Surfaces using *top'n bond* or *swift-set*

Concrete surfaces that are deteriorating damaged and uneven may pose serious safety hazards. Also if neglected you could end up replacing the entire structure. KING offers 2 concrete products to facilitate repairs.

top'n bond - Self bonding cement

Trowel on to smooth uneven/deteriorating concrete surfaces. Also repair masonry joints, and for setting dense surfaced stone, marble, or slate. Apply from a featheredge up to ½" thick per layer. Sets in 30 minutes approx. and may be opened to light traffic in 12 to 24 hours. Just add water.

STEP 1: Preparation: All surfaces must be structurally sound and clean. Using a stiff wire brush and/or a hammer and chisel clean surface of loose particles, dirt, sand, dust, etc. Remove all paint. Grease and oil should be scrubbed vigorously with a strong detergent. Flush area clean with water.

STEP 2: Mixing: Thoroughly saturate the area with clean water, and remove all freestanding water. Porous concrete may require several applications of water to ensure complete saturation. Mix the amount of top'n bond that can be used in 30 minutes.

STEP 3: Application: For filling shallow areas, up to ½" deep. Trowel in a thin layer, forcing the mix into the pores of the old dampened concrete. Then immediately spread more mix to required thickness. Level off and finish smooth with a damp trowel. Avoid over trowelling. For filling deeper areas, exceeding ½" depth proceed to step 4.

STEP 4: Application: For filling deeper areas, exceeding ½" depth. Trowel in a thin layer, forcing the mix into the pores of the old dampened concrete. Then immediately spread more mix to ½" thickness and allow to harden 24 hours. Do not finish smooth. Then repeat if necessary until required thickness is reached, allow each ½" layer to harden 24 hours. When required thickness is reached, level off patch and finish smooth with a dampened trowel. Avoid over trowelling.

STEP 5: Curing: No special curing under normal conditions. When exposed to direct, hot sunlight, cover or shade patched area for 24 hours. At temperatures 21C (70F) and above repair can be used for light traffic after 12-24 hours and heavy traffic after 48 hours.

swift-set Fast concrete repair

Quick patch repairs to concrete sidewalks, curbs, driveways, floors, steps, parking garages, highway structures, pre cast, pipe and loading docks. Apply up to 2" thick per layer. Sets in 10 minutes approx. and may be opened to light traffic in 1 hour. Just add water.

STEP 1: Preparation: All surfaces must be structurally sound and clean. Using a stiff wire brush and/or a hammer and chisel clean surface of loose particles, dirt, sand, dust, etc. Remove all paint. Grease and oil should be scrubbed vigorously with a strong detergent. Flush area clean with water.

STEP 2: Application: Thoroughly saturate the area with clean water, and remove all freestanding water. Porous concrete may require several applications of water to ensure complete saturation.

STEP 3: Application: Mix a small amount of swift-set with cold water to a batter consistency. Brush or broom this slurry coat over the dampened repair area to act as a prime coat. Mix additional material to a heavy mortar consistency. Mix no longer than 1 minute and avoid a soupy mix.

STEP 4: Application: For filling areas up to 2" deep. Use a trowel and apply over the slurry coat while it is still wet. Force the mixture into the roughened repair area. Tamp deep repairs to eliminate voids in the patch. Level and trowel smooth the patched area at once.

STEP 5: Curing: Keep the patch damp by spraying with a fine mist or covering with wet cloth for at least 30 minutes. On hot summer days shade the surface from direct rays of the sun and protect the patch from rapid drying. Repair can be used for light traffic after 1 hour.

Tips for repairing concrete surfaces.

- 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 our Data sheets.



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