

# Cement Based Multi-Coat Acrylic Decking



## APPLICATION GUIDE

### SURFACE PREPARATION

Clean and degrease first by using Kover Krete Citra-Klean SB™, pressure wash off residue, next profile concrete using Kover Krete Concrete Profiler™, followed by an aggressive pressure washing off of entire area using a 3000-3500 psi (4-10 GPM) pressure washer.

### MIXING EQUIPMENT

A 1/2" (13mm) drill and a mixing paddle with a 5 gallon (19L) pail is sufficient. The 1/2" (13 mm) drill must be a slow or variable speed drill to control the shear and mixing speed.

### MIXING KOVER KRETE™ DRY / KOVER KRETE™ INSTANT

Mix ratio is 50 pounds (22.7kg) of KOVER KRETE™ DRY SPRAY MIX to 1.0-1.2 gallons (3.8-4.5L) of ACTIVATOR™ (an acrylic polymer emulsion that adds adhesive properties, water repellence and more flexural strength to the system). Always add dry products to liquids.

Mix ratio is 50 pounds (22.7 kg) of KOVER KRETE™ INSTANT to 1.0-1.2 gallons (3.8-4.5L) of water. KOVER KRETE™ INSTANT is a one-part self-bonding acrylic cement mix packaged as a dry powder requiring only the addition of clean potable water.

The KOVER KRETE™ DRY MIX is mixed proportionally with the ACTIVATOR™ and KOVER KRETE™ INSTANT is mixed proportionally with water in the mixing container with a drill and paddle. (ACTIVATOR should be mechanically stirred or agitated before removing from pail. DO NOT DILUTE OR ALTER ACTIVATOR™ IN ANY WAY.) Keep lid closed on unused product.

Pour measured amount of liquid into clean mixing container. While mixing, slowly add 1/3 of total powder used. Coloring may or may not be added to the wet mix at this time.

Add remainder of dry material and mix for 2 to 4 minutes until the material is fluid and free of lumps. If the sides of the mixer develop dry powder buildup, scrape sides and continue mixing until powder and lumps break up in the mix.

Adjust liquid, more or less, to obtain desired mortar consistency. Let stand approximately 2 minutes.

Check for premature hardening of "false set". This must happen first before adding RELAXER. Failure to allow this step will result in relaxer not performing as designed. Should KOVER KRETE™ mix be too stiff, add 1 fluid ounce (30 ml) of RELAXER™ and spin into mix. Do not exceed 4 fl oz. (120 ml) per each 50 pound (22.5 kg) bag of dry KOVER KRETE™. Once consistency is attained repeat formula on next batch. RELAXER™ is a liquid retardant formulated to prevent mixed KOVER KRETE™ from hardening prematurely and will increase the open time of mixed KOVER KRETE™.

### APPLICATION OF BASE/SKIM COAT

Apply undiluted ACTIVATOR™ as a coat of paint, using a brush, roller, or spray to form a continuous film over entire surface to receive base coat. Base coat should be applied when ACTIVATOR™ is tacky. If allowed to dry, IT MUST BE RE-APPLIED AGAIN, YOU MUST MAINTAIN A "WET-TO-WET" APPLICATION PROCESS.

### FLEX STONE

Add up to 6-8 qts of activator to 50 lbs of Kover Krete™ Dry Cement Mix to attain a workable slurry (milkshake consistency). If using Kover Krete™ Instant you must add 3 qts of activator to 3-4 qts of water. Apply using hopper gun. Variations in the size of air nozzle orifice opening, trigger adjustments and air pressure can be adjusted to get desired pattern.

### TEXTURE COAT

This coat is applied with a hopper gun. The hopper gun used is similar to the type used in the drywall industry. Variations in the size of air nozzle orifice opening trigger adjustments and air pressure can be adjusted to get desired pattern. Approximately 14 lbs of pressure is needed when the mixtures is 1.2 gallons of liquid per 50 lbs of KOVER KRETE™ mix.

### KNOCKDOWN

Allow applied KOVER KRETE™ material to stiffen sufficiently and let the moisture leave surface. Textured surface should be tested by touch to determine proper conditions for "KNOCKDOWN" troweling. Walk over sprayed surface with spiked shoes and trowel lightly to create texture and knock down high spots. Coarseness of texture can be controlled by trowel pressure. Allow to dry.

### INTEGRAL COLOR KNOCKDOWN

If applying a one color integrally colored knock down, the finished product will show variations in mixing procedures and also will take on a mottled effect which is common for any concrete based application. If this type of application is to be used, the above results should be expressed to the buyer.

## RAIN DAMAGE

If after applying product, and BEFORE IT IS ALLOWED TO DRY/CURE, rain, sprinklers, gutter leaks, etc. damage the area, the resulting effects are blistering, flaking, thin spots that MUST BE pressured off and reapplied PRIOR to applying the next application or topping. Failure to follow this procedure will result in a bonding failure.

## PREP FOR COLOR AND SEALER

When texture is completely dry, brush vigorously with stiff push broom to knock off burrs. Blow off surface with leaf blower. Tape off area not to be colored. Apply KOVER GARD™ WB OR SB SEALER using a 1 1/4" - 1 1/2" lambs-wools roller or airless sprayer. Let dry and apply second coat. KOVER GARD™ is a special coating developed for use in areas of high foot traffic where a tough, longer wearing coating is desirable. It is manufactured with raw materials that gives the coating a coarse slip-resistant feel when applied to a light broomed or textured finish.

## DRY TIME

Dry time for each coat is approximately 1-2 hours at 70° F. Keep walking traffic off finished area for 6 to 8 hours and furniture, heavy objects, vehicular traffic off finished area for 2 to 4 days.

## DESIGN AND COLOR OPTIONS

The KOVER KRETE™ SYSTEM is a white colored product. It can be colored in a variety of other colors with the addition of DRY CEMENT COLOR PACKS. SEE KOVER KRETE™ COLOR CHART.

## MAINTENANCE

1. KOVER KRETE™ surfaces should be hosed with water regularly (every 1-2 weeks) with a high-pressure nozzle to prevent dirt and stains from getting into the surface.
2. Stubborn stains can be removed by using a stiff brush with mild detergent, scrubbing well and hosing off.

## PROBLEM STAINS

**CALCIUM DEPOSITS:** Whitish stains in areas where water puddles. Remove by using Kover Krete™ Concrete Profiler. Allow to soak for several minutes or until foaming has stopped. Agitate lightly with a brush or broom, then rinse completely to remove residue. Stubborn stains may require a second application or use naval jelly.

**ALGAE STAINS:** Red, black, or green stains in areas where water puddles. Remove with a 50-50 mixture of water and pool chlorine. Allow mixture to sit 10-20 minutes, then hose off completely with water.

**RUST STAINS:** Remove by using Kover Krete™ Concrete Profiler. Allow to soak for several minutes or until foaming has stopped. Agitate lightly with brush or broom, then rinsing completely to remove residue. Stubborn stains may require a second

application or use naval jelly.

**PAINT, ACID etc.:** Can be touched up with KOVER GARD™ SEALER. Touch up clean, dry surface as you would water based paint.

**CAUTIONS:** KOVER KRETE™ DRY CEMENT MIX and KOVER KRETE™ INSTANT contains some silica sand that can cause Silicosis. Avoid overexposure to the airborne dust. Practice good housekeeping and protect food and drink.

**PRECAUTIONS:** Prevent contact with skin and eyes. Prevent inhalation of dust. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or if used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state, and local regulations.

## FIRST AID

**DRY CEMENT MIX:** Cement powder or freshly mixed concrete may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention.

**ACTIVATOR™:** Eye and skin contact - promptly wash eyes with plenty of water for 15 minutes. Wash skin with soap and water.

**INGESTION:** Drink plenty of water, may cause irritation of the mouth, throat, or stomach. DO NOT induce vomiting. Seek medical attention immediately.

## CLEAN UP

**ACTIVATOR™:** In case of spillage, flush area with large amounts of water, place into appropriate container, and dispose of in accordance with applicable local regulations. Uncured ACTIVATOR™ can be removed with water. Cured ACTIVATOR™ can be liquefied with lacquer thinner.

Manufactured by

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