

# Surface Preparation



## BOND KOTE Surface Preparation System

SGM Bond Kote is a specially formulated two part cementitious coating, designed to be used as an ideal substrate to mechanically bond pool plaster over existing plaster finishes.

### MANUFACTURER:

SGM, Inc.  
1502 SW 2nd Place  
Pompano Beach, FL 33069-3220  
(800) 641-9247  
(954) 943-2288  
Fax: (954) 943-2402  
www.sgm.cc  
sales@sgm.cc

### TECHNICAL DATA

To date, no specifications have been industry approved. Our material is tested and certified by independent laboratories. All data is given in good faith, however, we reserve the right to change products and specifications without notice. SGM advises interested parties to satisfy themselves as to the accuracy of any data and seek certification if appropriate.

### CHARACTERISTICS:

- Superior bonding capability
- High flexural strength
- Eliminates excessive substrate preparation
- Virtually eliminates delamination problems
- Saves labor and equipment costs
- Provides even hydration while plastering

### LIMITATIONS:

All materials and surfaces to be coated should remain between 50°F to 120°F 24 hours prior and 24 hours after installation. Do not apply in rain or extremely high humidity. Protect "Liquid Resin" from freezing. Plaster should be applied to Bond Kote within 14 days or reapply Bond Kote.

DO NOT USE OVER PAINTED OR PLASTIC FINISHES.

### PACKAGING:

SGM Bond Kote is formulated in units consisting of (2) two 65lb. bags of a factory blended dry cement mix and (1) one 5 gallon container of liquid resin.

### SURFACE PREPARATION:

Check completely for hollow areas and remove all loose plaster. Remove all mildew, algae, fungus and rust by either sand blasting or with an acid wash which must be followed by neutralization with soda ash. If surface is unusually soft, painted, peeling or flaking, then surface must be heavily sanded or water blasted. Regardless of method used, thoroughly wash down with "jet nozzle" hose and let pool drain until there is no standing water present. Substrates should be prepared in a manner that leaves the CSP concrete surface profile rough and porous enough to ensure that Bond Kote can achieve a good chemical and mechanical bond to the substrate. Well prepared surfaces shall have the ability to absorb water prior to the application of Bond Kote. **NOTE: Special attention is required on pools below water table and or leaking.**

### MIXING:

Make sure "liquid resin" is mechanically agitated before use to disperse all settled solids. Then pour "liquid resin" (5 gallon) into a clean mixing container with flat bottom. Add Bond Kote (two 65 lb. bags) while continuously mixing with mechanical mixer. Continue mixing for 2-4 minutes until Bond Kote

is completely dispersed. NEVER USE LESS THAN 115 lbs. OF DRY MIX PER 5 GALLONS OF LIQUID RESIN.

### APPLICATION:

To check consistency of material, apply Bond Kote with 1-1/4" nap roller onto a vertical test area. Let material set for 1 minute; then, using a clean textured roller, rough up surface to desired finish. Material thickness can be adjusted by adding a small amount of "cement mix" if too thin or "liquid resin" if too thick, adjust only 1 time. DO NOT RE TEMPER MIX. Once Bond Kote is mixed to correct consistency, apply immediately, do not let material stand unused. Apply, mixed Bond Kote with 1-1/4" nap roller to steps at shallow end of pool and let material set for approximately 1 minute; then, rough up surface to desired finish with clean textured roller as done in test area. Continue this same process with the wall areas and then proceed to the floor surface last. Starting at deep end of pool make sure application is uniform in thickness and texture. The wet membrane thickness needs to be at least 80 mil .08 (2.023mm). While applying Bond Kote, check the depth of the coating occasionally with a wet film thickness gauge.

### CURING:

Minimum cure is reached in 6 hours; setting and drying time may vary according to atmospheric conditions. For best results wait 24 hours before plastering.

**PLASTERING:**

Mist Bond Kote with clean cool water prior to plastering to permit proper hydration. Make sure Bond Kote is free of any foreign matter before plastering.

**COVERING:**

One unit covers 450-500 square feet of surface area. The wet membrane thickness needs to be at least 80 mil .08 (2.023mm). While applying Bond Kote, check the depth of the coating occasionally with a wet film thickness gauge.

**CLEAN UP/STORAGE:**

Clean hands, tools and containers with warm soapy water. NOTE: USE NEW ROLLER WITH EACH APPLICATION.

**WARRANTY:**

SGM Inc. warrants this product will perform in accordance with its intended use for a period of one year from the date of manufacture. Any claim for defective product must be submitted in writing to SGM Inc. and samples of defect must be provided. EXCEPT AS PROVIDED HEREIN, SGM INC. MAKES NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. IN NO EVENT SHALL SGM INC. BE LIABLE FOR DAMAGES OF ANY KIND OR NATURE, WHETHER ARISING BY CONTRACT, TORT OR OTHERWISE. SGM INC.'S SOLE OBLIGATION WILL BE TO REPLACE ANY PRODUCT DETERMINED BY SGM INC. TO BE DEFECTIVE.

**CAUTION - WARNING EYE IRRITANT CONTAINS PORTLAND CEMENT:**


Product is alkaline on contact with water. Use paddle for mixing to avoid splashing into eyed or contact with skin. During mixing or application, avoid contact with eyes. In case of such contact, flood eyes repeatedly and CALL A PHYSICIAN. Wash thoroughly after handling and before eating or smoking. Do not take internally. Contains free silica. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung disease (silicosis). Wear NIOSH approved mask for silica

dust. WARNING: This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information go to **www.P65Warnings.ca.gov**. Wear NIOSH approved mask for Silica dust. KEEP OUT OF REACH OF CHILDREN.

**TECHNICAL SERVICES:**

Technical assistance, including more detailed information, product literature, test results, project list, samples, assistance in preparing project specifications and arrangements for job site inspection and supervision, is available by contacting Technical Services Department.

(800) 641-9247  
(954) 943-2288  
Fax: (954) 943-2402  
www.sgm.cc  
ts@sgm.cc

 **WARNING:** This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information go to **www.P65Warnings.ca.gov**.