



## **UNIVERSAL WHITE CEMENT'S** **NEW & IMPROVED**

# **BOND COAT**

**1 COMPONENT DRY MIX**

### **Description and Instruction for use:**

Universal White Cement's (UWC) Bond Coat 1 Component system is a bonding system that uses the best acrylic resins mixed with a unique proprietary formulation that includes the finest cement and sand particles to give a durable layer ideal for allowing firm bonding between a properly prepped substrate and new plaster material. Specially designed and formulated to use as a bond coat when re plastering swimming pools and spas.

**UWC's Bond Coat 1 Component is sold in 55# bags.**

- Long term bonding capabilities.
- Reduced Labor and Equipment Costs.
- Reduces material usage during plaster process.
- Allows for a smoother finish compared to conventional chip outs by providing a smoother substrate.
- Reduces mottling caused by uneven plaster thickness.
- Eliminates the need for total pool chip outs.
- Compatible with all interior finish applications.
- Little to no re-emulsification after the initial 24-hour cure.
- Greatly reduces pop outs/ hollow areas.

**SURFACE PREPARATION:** To enhance the finest dry ACRYLIC polymerized bond coat, surface preparation is important. Careful and proper surface preparation is a **MUST**.

### **PREPARATION FOR SWIMMING POOL/SPA:**

- Sound pool surface (walls and floors) and remove ALL hollow areas with hammers and picks.
- Chip out a minimum of 2 inches below the tile line and around all water inlets, return lines and light fixtures.
- Sandblasting is the best method to remove all rust, copper sulfate, soft flaky plaster, algae, paint, and other foreign materials. If straight sandblasting is not available, then use of a water-sand blaster (minimum 3,500 psi) is permissible. Acid etching is only acceptable when performed by a trained and competent technician and is not as desirable as the above methods.
- Wash thoroughly with water-blaster. Let all areas dry out before proceeding with application. (NOTE: Damp surface is desirable, however, absolutely no free-standing ponding water.)
  - **Material:** Mix 55# bag of Dry, add approximately 1½ to 1¾ gallons of clean portable water. On larger sized pools, a 15 gallon special mixing vessel makes for easier mixing. Mix vigorously with a high-speed ½" drill motor (minimum 800 rpm) and UWC's heavy-duty cement mixing paddle for 1-2 minutes, until you achieve uniform consistency with NO lumps (Allow to initially set up for 1-2

minutes). Then re- break with mixing paddle. Small amount of water can be added before re-mixing.

**NOTE: Water demand is extremely important. Do not make too much of a slurry-type consistency. Too much water or too dry can cause a failure.**

UWC's Bond Coat 1 Component may be applied with a 1" to 1¼" nap roller, a textured roller cover, or sprayer (airless or hopper gun) are the most desired methods of application. Test mixed material on small wall area before commencing full application.

Apply immediately to shallow-end steps and then proceed to deep-end walls, working towards the shallow end. Apply floor last, starting at the deep end and working toward the shallow-end steps. This application should be done before you apply material to the bowl of the pools. Be sure to immediately wipe off any material that splashes onto tile. Mask off any tile or glass surfaces prior to application to avoid damage. Rolled or sprayed material should not slump. If this should occur, immediately re-roll affected area. If spraying, have a textured roller available.

During warmer temperatures, misting the entire surface prior to application is mandatory for proper hydrations. DO NOT FLOOD. Application surfaces should have no free-standing water (puddle). Damp to touch is permissible.

Allow UWCs Bond Coat 1 Component to cure for a minimum of 24 hours depending on outdoor temperature. With Bond Coat 1 Component, finished plaster application may be applied sooner, provided outside temperatures exceed 80 degrees Fahrenheit. IMPORTANT: Indoor pool and spas require special curing times. Depending on humidity and indoor temperature, allow a minimum curing time of 48 hours prior to applying finish coat. We recommend UWC's Bond Coat 1 Component which requires much less initial curing time. No need to reapply Bond Coat 1 Component regardless of how long it was applied prior.

COVERAGE: Each 55# bag of UWCs Bond Coat 1 Component will provide 150 to 250 square feet of one-coat coverage. Surface porosity, surface irregularities and means of application will affect coverage.

LIMITATIONS: Do not apply below 50 degrees Fahrenheit or falling, OR 115 degrees Fahrenheit and rising. Do not apply material if precipitation is expected with 24 hours of application.

STORAGE: Store Bond Coat 1 Component in dry atmosphere with temperatures between 35F and 95F. Shelf life for unopened bags is 12 months from date of manufacture.

WARRANTY: Regular manufacturer's warranty appears on all unopened bags and pails. Limited long-term warranty is available. Please contact UWC for Limited Warranty.

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