

# Faux Brick® Deck Coat

## Overlay System

### Installation Instructions



#### PRODUCT DESCRIPTION

The Faux Brick® Deck Coat overlay system is a 2-part highly modified polymer-based resurfacing material. It has proven to be extremely successful for resurfacing existing driveways, walkways, patios, pool decks, balconies, and walls, as well as creating decorative finishes on new concrete surfaces. It can be used on both horizontal and vertical concrete surfaces.

Faux Brick® Deck Coat is economical, fast-setting and durable. It can be applied as thin as a feather's edge or up to 1/8" inch thick. Thicker applications or installation over wood substrates are not recommended.

Faux Brick® Deck Coat has many advantages:

1. If sealed properly—resists food and liquid spillage, oils, grease, stain, mildew and de-icing salts
2. Strength and permanence—tensile, compressive and flexural strength almost twice that of standard concrete
3. Beauty—gives rich appearance to old surfaces, as well as attractive colorful finishes on new installations
4. Bonding—adheres to any sound concrete substrate
5. Almost limitless combination of colors and patterns

**POWDER COMPONENT:** A polymer modified white or gray Portland cement, blended with silica quartz aggregates and powdered iron oxide pigments. Pails should be kept sealed and dry prior to use. Avoid exposure to rain or other moisture.

**Packaging:** Available in fifty pound pails.

**Colors:** Integrally mixed in 25 standard colors, plus Natural Gray and Natural White.

**RESIN COMPONENT:** A modified acrylic latex resin, milky in appearance. Store material between 40°F and 85°F. Once opened use quickly. Do not dilute or add additional water to resin.

**Maximum shelf life: 6 months. Keep from freezing. Avoid extreme heat.**

**Packaging:** Available in five-gallon and one gallon containers.

**Mix Ratio:** Four to five quarts per fifty-pound pail of powder, depending upon desired consistency and application techniques.

#### SURFACE PREPARATION

Surface preparation is of paramount importance. Faux Brick® Deck Coat can be no stronger than the concrete substrate to which it is applied. Coatings, curing compounds, grease, oil, dirt or other contaminants should be removed. Faux Brick® Deck Coat should not be used on surfaces that are subjected to steel wheel loads, point impact, continually submerged in water or exposed to corrosive chemicals.

**Repairs:** Faux Brick® Deck Coat must be applied to a clean and structurally sound surface. All stress cracks, spalls, pop-outs, and other deterioration must be repaired, utilizing high quality concrete repair compounds and procedures recommended by their manufacturer. Refer to ICRI guidelines for acceptable repair methods. Faux Brick® Deck Coat will not bridge moving cracks or joints and may reflect through the finished surface. Faux Brick® Deck Coat should not be used as a repair material for deep cracks, spalls, and pop-outs. Faux Brick® Deck Coat should not be applied to new concrete less than 28 days old.

**Cleaning:** The surface must be thoroughly cleaned, taking care that all residual coatings, dirt, or organic contamination is removed to create a porous or wettable substrate. Refer to ICRI guidelines for acceptable cleaning and preparation methods. Curing compounds, as well as laitance and efflorescence, must be removed from the surface of new concrete. Shot blasting, sand blasting, or high pressure water blasting is the preferred method of cleaning. If unable to blast or mechanically scarify the surface, preparation may be achieved by chemical cleaning. Use degreasers for dirt and oil stains. Use 50% chlorine to remove mildew stains. Muriatic Acid is not a recommended cleaning method. Upon completion of the surface preparation the surface should be free from grit, sand, detergent residue, organic materials and physical defects that will inhibit the long term performance of Faux Brick® Deck Coat.

utilizing a mix paddle on a 600 rpm variable speed drill. Add the balance of the fifty-pound pail and mix 3-5 minutes. (Use no more than four quarts of resin per fifty-pound bag.)

The mixed material should have a smooth lump-free, flowing, pancake-batter consistency, sprayable through a hopper gun. The total volume of resin will vary depending upon temperature, spray pressure, hopper gun configuration, orifice size, mixing efficiency, and applicator experience. Once the mix ratio has been established, it should remain the same throughout the application, in order to maintain color consistency. Allow the mixture to sit for three to five minutes (until initial stiffening occurs) and then re-mix. Now the mixture is ready to apply. Don't let hopper gun run dry, during spray operations. Don't mix more material than can be applied within fifteen to twenty minutes at 75° F. Coverage is approximately 100 square feet per mixed unit depending on application technique.

**High temperatures will shorten the working time with the Faux Brick® Deck Coat overlay system.** Do not allow the pails of material to be stored in direct sunlight or heat for extended periods of time. Consider icing pails to extend working time at high temperatures. Apply products at coolest time of day. Do not apply product when air or substrate temperature is expected to fall below 50° F at any time during installation.

**Base Coat:** A base coat is applied to establish a grout joint color and assure a bond with substrate. A base coat is always recommended, especially when Faux Brick® Deck Coat is used in high vehicular traffic areas, freeze-thaw environments, or when de-icing salts will be applied to the surface.

A base coat is also recommended on extremely porous concrete, new concrete that has a minimal profile or is smooth, or when high temperatures, wind, low humidity or other conditions may cause premature drying of the base coat or top coat. The concrete surface can be lightly moistened to minimize rapid drying of the applied material.

The Faux Brick® Deck Coat and Faux Brick® Resin are used to mix the base coat. Mix according to instructions for the top coat, except that five quarts of Resin must be mixed with a fifty-pound pail. The mixed material should have a fluid consistency. Coverage rate is approximately 100 to 135 square feet per mixed pail depending on surface texture, porosity, and method of application.

Faux Brick® Resin should not be diluted with water, nor should water be used to thin Faux Brick® Deck Coat once it has been mixed with resin.

## **APPLICATION**

**Base Coat:** The base coat can be applied with a squeegee or trowel up to 1/16 inch thick. Thicker applications are not recommended. Do not over trowel material. Let the base coat dry completely (approximately two to eight hours depending on air and concrete temperatures) before installing Faux Brick® Stencils.

**Stencil Installation:** Faux Brick® Stencils are measured, cut to fit, and are adhered to the substrate with mounting putty. If adhesive stencils are used, placement can be enhanced by applying light pressure with a paint roller. If there are buckles in the stencil that cannot be rolled out, cut the stencil in two at the spot of the buckle and press the two loose ends down.

**When using adhesive stencils at high temperatures, avoid placing more stencil than can be top coated in a few hours. Adhesive stencils should be removed as soon as the top coat is sufficiently set so as not to be damaged by stencil removal.** Avoid placing adhesive stencils on extremely hot surfaces if application of the top coat may be delayed. Minimize foot-traffic on stencils prior to application of top-coat.

**Top Coat Application:** The top coat is mixed to a flowing, mortar-like consistency. Spray on Faux Brick® Deck Coat using a hopper gun. Adjust air pressure (maximum 35 lbs.) and nozzle size (largest orifice is preferable) on hopper gun to achieve a splatter finish. Avoid using excessive air pressure. Always maintain a wet edge. If the application must be interrupted, stop application at a joint or other natural break or edge.

Once Faux Brick® Deck Coat has been sprayed, additional colors and/or a knock-down finish using a trowel can be applied. Trowel in one direction. Keep trowel clean and free from residue.

After Faux Brick® Deck Coat has hardened sufficiently, remove the stencils. Stencils should never be left on the surface until the next day, as removal will be difficult. After stencils have been removed, sweep or blow away loose debris. Adhesive residue left behind on substrate may be removed by products like or similar to Bean-e-doo by Franmar Chemical Inc.(www.franmar.com) Test small area first and follow manufactures instructions. Do not use solvents that may soften Faux Brick® Deck Coat. Use a stiff broom to remove overspray, if any, on grout lines. If color has bled under the stencil, this discoloration may be lightly scratched out and repaired with a slurry mixture of the base coat color.

**Sealer Application:** Apply multiple light coats of a quality high solids water-based or solvent-based sealer per manufacturer's specifications depending on level of gloss and protection desired. Over applications of sealer may be slippery and should be avoided.

## MIXING

The Faux Brick® Deck Coat overlay system is a mixture of Faux Brick® Deck Coat powder and Faux Brick® Resin.

**Top Coat:** Pour four quarts of Faux Brick® Resin into a clean five gallon plastic container. Empty 1/2 of a fifty-pound pail of Faux Brick® Deck Coat into the container. Mix materials until the powder is completely moistened,

## SAFETY GUIDELINES

- Safety glasses and respirators should be worn at all times during any job function.
- Heavy duty rubber boots, gloves and protective clothing must be worn when pressure washing any surface.
- All Containers must be tightly closed. Protect containers against physical damage. Outside or detached-storage is preferred.

REFER TO MSDS SHEET FOR PROPER HANDLING.

**Quality Control:** Adequate size mock-up samples must be made and approved by owner or owners agent prior to installation. Use the same installation personnel, preparation, repair and installation techniques that will be used on the project.

**Technical References:** The International Concrete Repair Institutes, Guideline No. 03732, "Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays" for preparation of concrete surfaces

**Maintenance:** Periodically clean with a mild detergent, let dry and reseal as needed. Resealing frequently will extend the life of the overlay and add to its long-term durability. Clean up spills as quickly as possible.

## WARRANTY

These products are warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over their use, no warranty, express or implied, is made to the effects of such use. Seller and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.

## **Suggested Short Form Specification for Deck Coat Overlay**

1. Prepare surfaces according to *The International Concrete Repair Institutes*, Guideline No. 03732, "Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays" for preparation of concrete surfaces.
2. Select Deck Coat color to be used as base-coat and grout color. Mix according to manufactures instructions and apply by trowel or squeegee to a uniform thickness of 1/16 inch. Let dry.
3. Select Artcrete Stencil Pattern from Stencil Pattern Sheet brochure (optional).
4. Select Deck Coat color to be used as top-coat. Mix according to manufactures instructions and apply by hopper-gun. When top coat has dried sufficiently, remove stencils, mounting putty if used, and all residual debris.
5. Seal all surfaces with multiple light-coats of Artcrete DC2500 or AS 3000 Acrylic Sealer according to manufactures instructions. Check for slip resistance.