

DBC Deck Coat Overlay

Concrete Deck Coating

Product Description

Deck Coat Overlay is a polymer modified Portland cement based decorative coating designed as an economical method to enhance the appearance of any concrete surface. **Deck Coat Overlay** is mixed with water only to produce a tough, durable finish, which will accept most commercially available color stains and sealers.

Area of Use

Deck Coat Overlay is, trowel applied over stencils or carved to give the deck a stone, tile and brick look.

Deck Coat Overlay is used over properly prepared concrete decks, driveways, patios, and sidewalks.

Limitations

Do not apply when the temperature, materials or substrates are below 55°F before and for 48 hours after installation. Do not apply in hot windy or rainy conditions; use sunscreens. Do not use for installations requiring acid and industrial chemical resistance. **Deck Coat Overlay** can be mixed with standard universal colorants.

Preparatory Work

All surfaces must be structurally sound and free of grease, oil, dirt, mildew, dust, wax, curing compounds, paints, sealers, efflorescence and any loose material.

Cleaning may be accomplished via mechanical sanding, scraping, or chipping. If surface is cleaned with muriatic acid, it must be thoroughly flushed and neutralized with a solution of baking soda and water. Smooth steel troweled concrete must be roughened to insure a good bond.

Re-level or patch small areas up to ¼-inch thick using **Deck Coat Overlay** mixed to a heavy paste consistency, if necessary.

Structural cracks and cracks due to continuing movement of substrate may telegraph through the **Deck Coat Overlay**.

Expansion Joints

Do not fill existing expansion and control joints with **Deck Coat Overlay**.

Mixing

First pour five to six quarts of water to a clean pail. Next slowly pour 50 lbs. of **Deck Coat Overlay powder**. Add the powder slowly while stirring to avoid lumps.

Faster mixing can be achieved by using a drill and paddle mixer. Mix until lump free, about 3-4 minutes. Let stand for 2-3 min., then remix. Add universal colorant at this time if an internal color is desired. Add

the same amount of colorant for each batch to assure uniformity.

Application

All decks to be installed must be primed using a commercially available acrylic resin based primer by brush, spray or roller, following manufacturers recommendations. When the primer becomes tacky, a base coat of **Deck Coat Overlay** tinted to desired color, can be applied. When this coat is dry, a second coat is trowel applied over stencils, which are commercially available in brick, tile and stone patterns, or carved to achieve desired look.

After the **Deck Coat Overlay** has dried, 12-24 hours depending on temperature, an approved concrete grade sealer/color coat can be applied following the manufacturers recommendations.

Properties

White Powder: 50 pounds consisting of Portland cement, specially graded silica and mineral fillers and powdered latex admixture.

Coverage: 25 sq. ft. @ 1/4 inch thick

Note coverage will vary depending on smoothness of substrate and texture of finish desired

Bucket life @ 72° F: 3 hours

Dry Time @ 72° F, at ¼-inch thick: 12 hrs. min.

Storage Life: One year if kept in dry sealed bag.

Compressive strength

ASTM C-109, 28 Day: >3750 psi

Flexural Strength

ASTM C348, 28 Day: 775 psi

Tensile Strength

ASTM D190, 28 day: 375 psi

Safety—CAUTION: may cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water, and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

KEEP OUT OF REACH OF CHILDREN

Because handling and use is beyond the control of the manufacturer, our responsibility is limited to replacement of defective product.