CoverStain Flooring System

CoverStain is an economical resinous alternative to stained polished concrete. This system creates an ultra durable, stain resistant, sanitary, and seamless surface that can be installed with quick turn around times and Zero VOC. CoverStain produces vibrant, translucent colors that enhance a concrete surface and create unique hues unattainable through other methods. This system combines the benefits of water based Polyurethane technology providing superior adhesion, abrasion resistance, UV stability and chemical resistance. Finished floor meets ADA, USDA and OSHA standards.

CoverStain System Applicable Products

CoverColor Concrete Stain UV-stable stain concentrate that is diluted with acetone or water to add a decorative finish to ordinary concrete without the hassle of harsh chemicals and a tedious application process.

CoverShield StrongSeal Plus is a two component, high performance water based clear polyurethane sealer. StrongSeal Plus is easy to maintain and has high scratch and abrasion resistance. StrongSeal Plus is non yellowing and resistant to staining and a wide range of chemicals. The product is odorless and can be applied internal or external concrete. Also avialable in Matte and Satin

CoverSeal U100 is a fast drying high gloss water based acrylic modified urethane sealer for concrete and terrazzo. When cured the product will produce a hard wearing clear bright surface that provides protection against stains and exceptional water resistance. UV stable and chemical resistant can be used inside or outside.

Where To Use

- Aircraft Hangers
- Auto Dealerships
- Banquet Halls
- Bars, Pubs & Taverns
- Basements
- Bathrooms
- Bowling Alleys
- Churches
- Garage Floors
- Grocery Stores
- Hallways
- Hospitals
- Hotels
- Night Clubs
- Offices
- Public Municipalities
- Residential Flooring
- Restaurants
- Restrooms
- Retail Stores
- Schools
- Show Rooms
- Stadium Hallways
- And more...

Substrate Preparation

Proper preparation is critical to ensure adequate coloring and adhesion. The substrate must be dry and free of all wax, grease, oils, fats, laitance and loose particles. Laitance and unbonded cement must be removed by mechanical methods, i.e. abrasive blasting or scarifying. The surface must show open pores throughout.

Determine if the concrete is porous with a simple water test. If the water drops in and darkens the concrete immediately, then prep may not be necessary. If the surface is a troweled surface, mechanically grind, sand, or chemically etched the concrete to open the pores for better penetration of the stain. If there is a sealer present and in good condition, apply a drop of acetone on the surface and rub with a finger to determine if the stain will penetrate when mixed in acetone. Surface will get sticky or tacky when rubbed, indicating that it can be penetrated with acetone. Water is not recommended when applying to overlay systems that are commonly high in polymer.

Tools Needed

- Pump up sprayer with conical tip
- Tbar and applicator pad
- Shed Free Short Nap Rollers and Frames
- Mixing/Measure Containers
- Mixing Drill with Mixing Blade
- Blower
- Masking Tape
- Plastic

Color

All the colors have been specially formulated to produce most durable UV and alkali resistance. All the colors are totally compatible with one another in both the wet and dry stage. See CoverColor Concrete Stain color charts for available colors.

Dilution/Mixing

CoverColor Concrete is supplied as a concentrate. The recommended dilution ratio for base colors applied to concrete is 1 part concentrate to 7 parts water, acetone, or denatured alcohol.

Spread Rates

All coverage rates are theoretical. Variables include, but are not limited to: substrate conditions, installation techniques, material temperature, surface temperature and air temperature at the time of application. Verify spread rates early on to avoid material shortages. Approximately 500 square feet per gallon for smooth concrete, depending on depth of color desired. More material will be required for more porous surfaces or deeper coloration.

Temperatures

Temperatures of both the floor and the product must be at least 65℉/18℃. Do not attempt to install the material if the temperature of the components is above 85℉/30℃. High temperatures will not allow enough working time as the product will cure prematurely. Conversely, if the temperature of the components is 65℉/18℃ or lower, the system will be stiff and difficult to level.

Application Instructions

Stain Application:
Apply with an acetone-resistant pump-up sprayer using a conical, fine-spray tip. Small areas can be brushed using a circular motion to avoid brush strokes. Take care to maintain a wet edge to avoid lines, and avoid puddling stain. Avoid drips: Prior to application, tape a piece of cloth or a small container to the sprayer body to catch drips while not spraying the material. Place the tip of the spray wand on the cloth or into the small container immediately after releasing the spray handle. Apply the stain uniformly to obtain a more uniform final appearance. Apply in a random, circular motion with some overlapping to generate a more mottled look and more closely resemble acid stain. Colors may be blended to produce a large palette or applied over a base color for a unique look. Depending on the depth of color that is desired, coverage rates will vary

Sealer Application:
Stain can be sealed with most any CoverTec sealer or topcoat pending application. Sealer may be applied via T-Bar micro-fiber applicator, roller, or pump sprayer with a conical tip that sprays at .05 to .15 gpm at 40 psi.

Refer to individual data sheet for detailed instructions.