CoverShield Flooring System

CoverShield is an industrial self leveling resinous flooring system with extreme, wear resistance. This system creates an ultra durable, stain resistant, sanitary and seamless surface that can be installed with quick turn around times and Zero VOC. These systems combine the benefits of Epoxy resins and Polyaspartic technology providing superior adhesion, abrasion resistance, UV stability and chemical resistance. Finished floor meets ADA, USDA and OSHA standards.

**CoverShield System Applicable Products**

- **CoverShield Primer WB** A fast cure penetrating water based epoxy primer.
- **CoverShield E900** is a high wear resistant, pigmented, gloss, epoxy coating with excellent light reflectivity and adhesion. (Not UV Stable)
- **CoverShield U270 VOC** (UV STABLE topcoat) is a high wear resistant, clear or pigmented, gloss, polyurethane coating with excellent light reflectivity, hot tire resistance and adhesion. available in multiple colors.
- **CoverShield E130** (Clear) is a water clear two component high wear resistant, self leveling, epoxy coating with UV resistance for interior use (NOT UV STABLE).
- **CoverShield Aggregate** (optional) Self leveling aggregate additive for high build applications.

**Where To Use**

- Aircraft Hangers
- Auto Dealerships
- Banquet Halls
- Bars, Pubs & Taverns
- Basements
- Bathrooms
- Bowling Alleys
- Cafeterias
- Churches
- Clean Rooms
- Garage Floors
- Grocery Stores
- Hallways
- Hospitals
- Industrial Hallways
- Laboratories
- Locker Rooms
- Lunch Rooms
- Night Clubs
- Offices
- Pet Stores
- Pharmaceutical Plants
- Public Municipalities
- Restaurants
- Restrooms
- Retail Stores
- Schools
- Show Rooms
- Stadium Hallways
- And more...

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Substrate Preparation

Proper preparation is critical to ensure adequate adhesion. The substrate must be dry and free of all wax, grease, oils, fats, loose particles and laitance. Laitance and unbonded cement must be removed by mechanical methods, i.e., abrasive blasting or scarifying. The surface must show open pores throughout and have a surface profile of approximately 10 mils or CSP 3. For recommendations or additional information regarding substrate preparation, refer to CoverTec's Surface Prep Guide.

Tools Needed

- Flat Blade Squeegee
- Notched Squeegee
- Shed Free Short Nap Rollers and Frames
- Mixing/Measure Containers
- Mixing Drill with Mixing Blade
- Spiked Shoes
- Masking Tape
- Plastic
- Spiked roller

Mixing Area & Mixing

Select a convenient mix area and protect the surface from spillage by covering with a layer of cardboard and/or sheet of plastic. Make ready all necessary tools, mix and measure containers, etc. DO NOT MIX EPOXY UNTIL READY FOR IMMEDIATE USE. Once hardener and resin are combined, it must be used without delay. Apply masking tape wherever coating is intended to stop. Thoroughly mix parts A and B using a mixing blade for several minutes. Avoid whipping air into the material by mixing at too high a speed or to vigorously. Make sure to scrape any unmixed material from the sides of the mixing container.

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.

Priming

Priming is required in the CoverShield System. Use CoverShield WB low viscosity primer to avoid out-gassed bubbling and improve adhesion.

Temperatures

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

Application Instructions

1. Prime the substrate with CoverShield Primer WB. The primer ensures maximum adhesion to the substrate and prevents out-gassing and air bubbling in the finished system.
2. E900 is mixed 2 parts A to one part B and immediately poured out onto the floor in ribbons.
3. Using spiked Shoes evenly spread with a flat or V-notched squeegee and back roll with a short nap roller at a coverage rate of 200 ft²/gallon or less depending on film thickness requirements.
4. After a minimum of 15 minutes but no longer than 30 minutes set time, material should be rolled with a spiked roller to remove any entrapped air. Do not spike roll after 30 minutes.
5. Optional Broad cast CoverGrip Aggregate while the material is still wet. Broadcast by hand in an upward motion until the aggregate is applied to excess. Do not throw the sand downward, as this might cause uneven ridges to form.
6. U270 Top Coat is mixed and then applied with a squeegee and rolled with a shed free medium nap roller. Coverage rate will vary depending on desired texture (200-260ft²/gallon). If a second top coat is desired after the first coat apply within the recoat window in the same manner as the first.