

Water-Based Polyurethane Sealer

Note: This system is designed for application over Direct Colors Water-Based Acrylic Concrete Sealers to allow for breathability and as a protective sealer for other Direct Colors coatings. Water-Based Polyurethane is to be applied at temperatures between 65 °F and 95 °F and when relative humidity is no more than 80%.

COMPONENTS

DC Water-Based Polyurethane Sealer - Part "A" Clear Urethane
DC Water-Based Polyurethane Sealer - Part "B" Hardener
(Mix ratio is 3 parts "A" to 1 part "B" by volume)

RECOMMENDED CLEAR COAT COVERAGE RATE

Average - 35 sq. ft. per kit per coat

NOTE: Consumption rate will be dramatically higher on a porous substrate

PREPARATION

Wet sand the surface with a medium grit sanding pad, clean the sanded area, then let dry completely before applying this sealer.

CAUTION:

DC Solvent-Based Polyurethane Sealer contains DC solvent and requires adequate ventilation. Make certain all personnel has read and fully understood all safety precautions on product labels and Safety Data Sheets.

INSTALLATION

Step 1. Mixing

Carefully mix Part "A" Resin with Part "B" Hardener. Mixing should be done for at least 2 minutes (instead of by hand you may use a drill at low speed with a mixing attachment). Be sure to premix Part "A" before mixing with Part "B" as settling may occur during shipping and storage.

Step 2. Priming or First Coat

DC Solvent-Based Polyurethane Sealer can be dipped and rolled or squeegee and back rolled. To apply by squeegee, pour entire contents of mix onto floor in a continuous ribbon. Slowly move and level the mixture with a squeegee, then back roll with a 3/8th nap non-shedding roller cover to remove any squeegee marks. A standard 1-gallon mix should cover approximately 320 sq. ft., a mini kit mixture should cover approximately 35 sq. ft. but this will vary depending upon the porosity and texture of the concrete.

Note: The Water-Based Polyurethane will turn white when mixed. Once applied the product will turn clear as it cures. Do not re-roll once material has started turning clear as foaming (milky appearance) can occur. Although the pot life for **PM 550** is longer than one hour, we recommend that the mixed material be used in less than one hour for best durability and performance. Do not re-seal product once it has been mixed.

(Optional) Second Application of Urethane Topcoat- When urethane is hard and no longer tacky, carefully mix Part "A" with Part "B" and apply as noted above. Although sanding is not normally required between coats, application techniques may make it necessary to sand the surface to eliminate any irregularities or high points. This process will also achieve a slightly smoother finish. If Water-Based Polyurethane has cured more than 48 hours before additional topcoat can be applied, a light sanding of the surface is recommended for best adhesion.

For skid resistance- fine transparent slip resistant aggregate can be used in the final coat of urethane like our Slip Resistant Sealer Additive. Water-Based Polyurethane should be mixed thoroughly before adding slip resistant aggregate.

Return to Service- Water-Based Polyurethane should cure for twenty-four (24) hours at 75 °F, 50% RH after the final coating step before opening the area to foot traffic, seventy-two (72) hours before driving across and should cure for ninety-six (96) hours before parking vehicles on the surface. Low temperatures and high humidity levels can retard these cure times dramatically.

Clean Up - While wet, the Water-Based Polyurethane can be cleaned using hot soapy water. Fully dried Water-Based Polyurethane can only be removed by mechanical means such as sanding or grinding. Leftover mixed Water-Based Polyurethane will fully harden and can be discarded according to your local area regulations