

How-to Apply 550 Water-Based Polyurethane Sealer (Floor Application)

550 Water-based Polyurethane Sealer is a protective clear finish, two-component urethane resin. The Part A component must be thoroughly mixed into the Part B component for the material to properly cure and provide a durable, long-lasting finish.

For best results, apply sealer at temperatures between 60F-95F and when the relative humidity is 80% or less. The sealer itself must be above 60F before installing.

Surface Preparation: All surfaces should be clean, dry and free of any debris prior to application. If previously sealed with a water-based sealer, allow for the manufacturer recommended drying time before applying the polyurethane top coat.

Contents: Kit includes Part A and Part B Polyurethane containers and a wooden stir stick

Required Equipment: One 9" non-shedding 3/8" nap roller and frame with an extension pole, chip brush and a 5 mil notched sealer squeegee.

Coverage: When properly applied to a smooth concrete surface, the 1 gallon kit will cover up to 300 sq. ft. Coverage will vary with surface conditions. If priming the floor with water based or 100% epoxy sealer or a water based acrylic sealer, the kit will cover up to 500 sq. ft.

Mixing Instructions: As a two-part system, Part A must be thoroughly mixed into Part B in order for the material to properly set up for application. Mix three Parts "A" to one Part "B" in a separate container for smaller projects. Immediately replace each lid tightly. For larger projects, Pour Part A into Part B and begin to mix with a wooden stir stick. Mix completely; fold the material over onto itself and carefully scrape the sides of the can to assure nothing is left unmixed. Whenever possible, mix contents with a low speed electric drill with a paint mixing paddle attachment. The contents should

thicken and become whiter as you stir. Stir for 2-4 minutes until totally combined. NEVER mix the product at a high-speed. Once mixed, the pot life for the sealer is approximately 1 hour. Working the material after the recommended time can result in streaking and an uneven finish.

Application: Use a piece of packing or duct tape to "de-fuzz" the roller prior to application. After the sealer has been thoroughly mixed, pour the polyurethane in a thick ribbon directly onto the floor and begin pulling the sealer across the floor using a 5 mil squeegee allowing the tool to set the appropriate depth. Wet a 3/8" nap roller with sealer and gently back roll the polyurethane into place on the floor. Avoid overworking the sealer as it can lead to air entrapment which can cause foaming on the surface. DO NOT apply too thin or an "orange-peel look" will occur. Rolling up and back once should be sufficient for most applications. Working time for the 550 water based polyurethane sealer is 50-60 minutes so having more than one person mixing, pouring and applying would be essential for larger projects.

Note: If a second coat should be deemed necessary, apply within 24 hours of the first coat or wet-sand the surface with a 120-grit pad prior application to insure good adhesion.

Drying Time: Surfaces sealed with 550 Water-Based Polyurethane should cure for 12 hours at approximately 75F before use. Allow for additional drying time if high humidity is a factor. Surfaces should dry for 48-72 hours before allowing vehicle traffic and parking.

Clean-Up: The product can be cleaned prior to cure with isopropyl alcohol and can only be removed from fully-cured concrete surfaces using industrial paint strippers such as the Soy Gel Paint and Sealer Stripper, or by mechanical means. To remove sealer by sanding, wet sand with a 120-220 grit pad or use dry non-loading sandpaper. Leftover product, brushes or roller covers should be responsibly discarded after use.

Maintenance and Cleaning: Surfaces sealed with 550 Water-Based Polyurethane are relatively low maintenance and should be cleaned as needed with a mild dishwashing soap solution and water.

Warning: Safety First! The product should be applied wearing gloves, goggles and a dust mask. Do not apply in an enclosed area without proper ventilation to the outside. Should accidental contact with the skin or eyes occur, flush thoroughly with fresh water for at least 15 minutes. If swallowed, do not induce vomiting and contact a physician and/or the Poison Control Center immediately.

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