

TOP SECRET COATINGS

APPLICATION INSTRUCTIONS FOR AQUAPOXY (TS-905)

PRODUCT DESCRIPTION: Aquapoxy (TS-905) is a two component catalyst-cured water based epoxy floor coating system intended for commercial, industrial and residential applications. It is a self-priming two-coat system typically applied by roller-coat however it is sprayable. It is eco-friendly, low odor and zero VOC. Aquapoxy is exceptionally easy to apply.

ACCEPTABLE SURFACES: Aquapoxy (TS-905) can be applied directly to properly prepared concrete, masonry and similarly cement-like surfaces. Additionally, Aquapoxy can be applied to previously coated surfaces, with sound adhesion, when these surfaces have been properly cleaned and sanded before application. Aquapoxy products are not recommended for use on wood, metal or fiberglass substrates.

REQUIREMENTS: New concrete must be allowed to cure a min of 28 days before application. All applications will require the removal of all grease, oil, glue and contaminants and the use of either TS-695 Etching Cleaner or the equivalent. Recommend removing existing coatings or sealers for best results. Existing coatings in sound condition must be thoroughly cleaned and sanded. Failing floor coating surfaces should be completely removed before application. While blasting or grinding before application is always beneficial such resurfacing is not typically required (where conditions allow) and when TS-695 Etching Cleaner, or the equivalent is used, to etch the surface before application. Recommend eliminating the possibility of hydrostatic pressure by using a properly adjusted moisture meter, VaporGauge calcium chloride moisture test, or the equivalent. Where hydrostatic pressure has been found, or suspected to be present above 5LBS recommend using TS-104 Seal-it! (see product data for details). May be applied as low as 50F however best results are obtained between 60F and 75F. Avoid applying above 90F or in hot direct sunlight.

TOOLS REQUIRED: Brushes for edging, roller tray, roller covers, roller frame, and threaded handle or extension handle. Use a 3/8" roller cover for smooth surfaces or 1/2" – 5/8" nap roller cover for rough surfaces. Painters tape, drop cloths and masking equipment as needed. Safety equipment may include eye protection and gloves. Respirators are not typically required as Aquapoxy is low odor and zero VOC.

STEP 1- PREP-WORK: All repairs should be completed and allowed to fully cure prior to application. Substrate resurfacing including sanding, grinding or blasting is always beneficial but often not required where circumstances and conditions permit. You must be the judge, carefully assess surface conditions before committing to your application. Be sure all repair materials are paintable. We recommend using either TS-695 Etching Cleaner or muriatic acid in all applications. We recommend using TS-104 Seal-It! when there is evidence of effervescence, seepage problems, or hydrostatic pressure is found to be in excess of 5LBS. Aquapoxy is self-priming so the use of Aquapoxy Primer (TS-910) is strictly optional (Aquapoxy Primer is typically used in applications where higher film build is desired. Apply Aquapoxy Primer as outlined in step 2.

STEP 2- APPLY FIRST COAT: Stir Aquapoxy (TS-905) A&B components together using a high speed mixer for 30 -60 seconds. Allow to stand 30 minutes, stir again for 1 minute. POT LIFE: 3-4 hours (temp dependent), stir regularly and add water as necessary to extend pot life. Recommend hand brushing the edges then roller-coat the remaining area. Apply evenly avoiding heavy build up and overlaps. Best results will be achieved by always keeping a wet edge when rolling to avoid lap marks and always finishing your roller-strokes in the same direction. Recommended Wet Film Thickness (WFT) is 4-5 mils. We recommend using 3/8" – 1/2" non-shedding roller cover on smooth surfaces, use higher nap roller covers on rough surfaces. We recommend allowing first coat to stand a minimum of 12 hours before applying next coat. Aquapoxy should be recoated within 12-48 hours. Sand between coats after 48 hours.

NOTE: If using chips you will want to roll in 2' strips (arm length). As you proceed you want to broadcast the chips evenly onto the still wet surface so they adhere. Continue process until entire area has been treated equally and completed. Aquapoxy Clear coat will be required to seal in and protect the chips.

STEP 3- APPLY TOP COAT: Stir Aquapoxy (color or clear) A&B components together using a high speed mixer for 30 -60 seconds. Allow to stand 30 minutes, stir again for 1 minute. POT LIFE: 3-4 hours (temp dependent), stir regularly and add water as necessary to extend pot life. Recommend hand brushing the edges then roller-coat the remaining area. Apply evenly avoiding heavy build up and overlaps. Best results will be achieved by always keeping a wet edge when rolling to avoid lap marks and always finishing your roller-strokes in the same direction. Recommended Wet Film Thickness (WFT) is 4-5 mils. We recommend using 3/8" – 1/2" non-shedding roller cover on smooth surfaces, use higher nap roller covers on rough surfaces.

NOTE: Allow to stand a minimum of 24 hours before allowing light foot traffic and 4-7 days (weather, ventilation, thickness and color dependent) before allowing motorized traffic, as circumstances allow. Do not allow moisture on uncured surfaces for a minimum of 48 hours. High temperatures or low humidity conditions may require thinning with water. Actual times may vary. Never apply Aquapoxy where there is hydrostatic pressure exceeding 5 LBS PSI. Use TS-104 Seal-It! to stop hydrostatic pressure. Dry and cure time vary with the weather, temperature, ventilation, thickness of application and color. Allow extra dry and cure time for dark colors. All recommendations, written and verbal directions, label instructions and standard industry practices must be strictly followed or guaranty is voided. We hope this information helps you achieve the results you expect and years of problem free service. We are available to answer questions at 360-651-9050 M-F 9 AM to 5 PM PST.