

WT-113

WATER-BASED

4:1 Mix Ratio

2 COMPONENT WATER BASED EPOXY PREPARATION AND APPLICATION INSTRUCTIONS

BARE CONCRETE

1. Make sure the concrete is **sound: no chalking, sealers, curing compounds, water repellents, or old coatings** are present on the surface.
2. Dampen the surface with water then **scrub** the surface using tsp, a heavy-duty degreaser, or other strong detergent. Rinse thoroughly. Repeat if needed.
3. **Kill** all mold, mildew, and algae with a 4:1 water/bleach solution and rinse thoroughly.
4. **Pressure wash** the surface thoroughly with a minimum of 3000 psi to remove all embedded dirt and loose material.
5. If the surface does not have a profile (feel of a 100 grit sandpaper or rougher) **Acid etch** the concrete with a solution of 2 parts water to 1 part muriatic acid. Follow all safety precautions listed on the acid bottle. Add the acid to the water, mix and apply evenly to the surface. A plastic flower watering can with a shower head works well. Do not brush or broom the acid, allow it to remain undisturbed for 10 to 15 minutes. Rinse thoroughly with plenty of water, lightly scrub the surface with a stiff push broom.
6. **Repeat the above(#5) until a medium (100- 120 grit) "sandpaper-like" texture is achieved, or to ICRI CSP-2 standard** . Then thoroughly pressure wash the surface to remove all residue from the etching process. Remove all standing water and allow the surface to dry a minimum of 36 hours under favorable conditions. Areas with poor air movement may take longer to dry. The use of air circulation fans is suggested. **Mop the floor using clean water to remove all residue from etching.**
7. **Make sure the surface is completely dry, and free from any chalk, dust, dirt, or other contaminants**, (wipe with a black cloth to check for residue) .
8. **Mix 1 part "B" to 4 parts "A" by volume**. Mix thoroughly for several minutes. Mechanical mixing is suggested. Working time (pot life) is approximately 1 ½ hours at 70 degrees F. Mix only enough material that can be used within 1 hour. Apply the first coat evenly, at the rate of 200 square feet/gallon. Try to work in defined areas (between saw or expansion joints). Allow to dry a minimum of 12 hours (maximum of 36 hours) before applying the second coat. Immediately clean all tools with warm soapy water.
9. Apply a second coat evenly, at right angles to the first coat at the rate of 200-225 square feet/gallon. Immediately clean all tools with warm soapy water. *The second, and any additional coats, must be applied within 36 hours of the previous coat or the surface will need to be sanded prior to re-coating.*

ALLOW TO DRY A MINIMUM OF 5-7 DAYS UNDER FAVORABLE CONDITIONS BEFORE ALLOWING VEHICLE TRAFFIC.** Full cure is in 7-10 days
Park on carpet squares or cardboard to allow for a full cure and to limit tire marks.

** FOR EXTREMELY POROUS SURFACES, A THIRD COAT MAY BE NECESSARY

** FOR GREATER CHEMICAL RESISTANCE IN COMMERCIAL SETTINGS, CLEAR COAT WITH TPU-188 OR TPU-122 NOMAR URETHANE CLEAR SEALERS

***NOT RECOMMENDED FOR EXTERIOR USE, OR USE IN AREAS THAT RECEIVE FULL SUN. CHALKING MAY RESULT

PREVIOUSLY COATED SURFACES

1. Dampen the surface with water, then apply a degreaser and scrub the surface. Pressure wash the surface using a minimum of 3000 psi. Take care not to get too close to the surface with the pressure washer wand. This could damage the old coating. Allow to completely dry. Any areas of bare concrete should be profiled to an approximately 100 grit appearance by acid etching or diamond grinding. Remove all residue from the profiling process to provide a clean surface.
2. All previous coatings should be sound and adhering well. If the existing coating has a sheen scuff-sand the surface with an 80-100 grit sandpaper. Remove all dust and residue, from sanding, with a mop and clean water.
3. **MAKE SURE THE SURFACE IS COMPLETELY DRY**, and free from any dust, chalk and all contaminants. Apply the first coat evenly at the rate of 200-225 square feet per gallon. Try to work in defined areas (between saw or expansion joints). Allow to dry a minimum of 12 hours, maximum of 36 hours. Immediately clean all tools with warm soapy water.
4. Apply a second coat evenly, at the rate of 200-225 square feet per gallon. Immediately clean all tools with warm soapy water. **ALLOW TO DRY A MINIMUM OF 5-7 DAYS UNDER FAVORABLE CONDITIONS** BEFORE ALLOWING VEHICLE TRAFFIC.** Full cure is in 7-10 days. Park on carpet squares or cardboard to allow for full cure and to limit tire marks. *The second, and any additional coats, must be applied within 36 hours of the previous coat, or the surface will need to be sanded prior re-coating.*

CAUTION

BE AWARE THAT COATED SURFACES MAY BE SLIPPERY WHEN WET. IT IS THE SOLE RESPONSIBILITY OF THE APPLICATOR AND/OR PROPERTY OWNER TO DETERMINE THE SUITABILITY AND SAFETY OF APPLYING THIS PRODUCT IN AREAS OF PEDESTRIAN TRAFFIC.

*****This coating though resistant, is not a guarantee against tire staining/markings. All tires have the potential to leave rubber stains under certain conditions. To avoid this, park on Plexiglas, lexan, masonite or carpet squares to avoid staining.**

THIS COATING WILL NOT WITHSTAND HYDROSTATIC PRESSURE. A CALCIUM CHLORIDE TEST, TO CONFIRM THE AMOUNT OF MOISTURE PRESENT, IS RECOMMENDED PRIOR TO APPLICATION, OR TAPE A 2'X2' PLASTIC SHEET TO THE BARE CONCRETE FLOOR. TAPE ALL 4 EDGES TO COMPLETELY SEAL THE PLASTIC TO THE FLOOR. ALLOW TO REMAIN FOR 36-48 HOURS. IF THE CONCRETE DARKENS, IS WET, OR IF CONDENSATION IS VISIBLE ON THE PLASTIC THERE IS A MOISTURE SOURCE UNDER THE CONCRETE SLAB AND THE FLOOR SHOULD NOT BE COATED UNTIL THE CONDITION HAS BEEN CORRECTED.

COVERAGE & TOOLS

3/8 to 1/2 in. nap sheepskin or shed proof microfiber roller cover.

Bare & Previously coated Concrete -- 200 to 250 sq. ft. per gallon per coat. **2 coats are required.**

Note: Actual coverage rates vary depending on surface texture and method of application.

