

**APPLYING TS-100 1 PART EPOXY FLOOR SYSTEMS TO CONCRETE FLOORS (2/15/07)**

This information has been prepared for use with TS-100 1 Part Epoxy. This system produces a high performance, low film build finish. It is a low VOC low odor system that produces a non toxic film approved for food service and institutional applications. Allow new concrete to cure 30 days or more before application. All floor applications will require the use of TS-160 Accelerator/Hardener so if you have not included it in your purchase get it before you proceed! TS-160 A/H is very effective in speeding the dry and cure, it hardens, increases chemical resistance and prevents hot tire pick up. Our guaranty is void without the use of TS-160 A/H on floors! You DO NOT want to seal your concrete floor before application because sealants can inhibit adhesion. Please be sure to follow all directions and labeling instructions.

1. PREPARATION: Use a degreaser such as TSP to remove stubborn oil or grease. Rinse thoroughly. Power-washing, sanding or blasting is recommended but not required on clean well prepared surfaces. Next wash surface with an etching cleaner; strongly recommend TS-695 Etching Cleaner. Our guaranty is void without the proper use of TS-695 Etching Cleaner! Concrete continues to leach lime even after it has cured so etch before proceeding. Mix TS-695 Etching Cleaner on a 1:1 Basis with water, broom in for 15 minutes, rinse thoroughly.

2. ALLOW TO DRY THOROUGHLY: Wait at least 48 hours or test for moisture to ensure dryness. Simply duct tape clear plastic to the floor and wait a few hours. If moisture is evident it is too wet. Wait until there is no sign of moisture before proceeding.

3. APPLY PRIMER COAT: First coat of 1 Part Epoxy serves as primer coat. Stir thoroughly then dilute 25% with TS-101 Thinner. Add TS-160 A/H, stir again thoroughly. Paint may be brushed, rolled or sprayed. Recommend hand brushing the edges then roll the rest. Apply evenly avoiding heavy build up. Allow first coat to dry 12–48 hours before recoating.

4. APPLY SECOND COAT: Stir TS-100 Epoxy thoroughly. Add ½ pint TS-160 A/H to one gallon of undiluted TS-100 1 Part Epoxy. Stir again thoroughly. Apply evenly avoiding ponding and heavy build up. If you will be adding Super-Fleck Chips you will want to hand sprinkle them on the still wet surface as you proceed with this coat. Hold your hand head high allowing chips to float down to the wet surface. Allow to dry before proceeding.

5. APPLY CLEAR COAT: Stir TS-100 Epoxy Clear thoroughly. Add ½ pint TS-160 A/H to one gallon of undiluted Epoxy Clear. Stir again thoroughly. Apply evenly avoiding ponding and heavy build up. A second coat of clear may be applied (wait 12-24 hrs) according to individual application requirements. Let stand 24-48 hours before allowing foot traffic on the new surface and 7-10 days before allowing motorized traffic.

Repairs may be made with a brush since it blends well. Maintenance coats may be done according to the directions as stated above. We are available to answer application questions at 360-651-9050 M-F 9 AM to 5 PM PST. See us online at: [www.topsecretcoatings.com](http://www.topsecretcoatings.com).

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