



## CFS-METALLIC FLOOR WITH HIGH SOLIDS URETHANE TOPCOAT INSTALLATION INSTRUCTIONS

### **Preparation:**

We always recommend diamond grinding. By grinding any contaminants off the surface and providing a scratch to the surface, you are guaranteeing a good bond to the substrate. Make sure the surface is vacuumed well after grinding to remove all loose dust etc.

### **Repairs:**

Repair cracks or large spalls using our CFS-fast set epoxy or mix with sand to create an epoxy mortar. After all of the repairs are filled, grind over the area to apply a scratch to the surface which will allow the epoxy to bond properly.

### **Mixing/Prime Coat: CFS-Low Viscosity Primer (Typically black for metallic floors):**

Always mix complete batches. Epoxy needs to be mixed to the correct ratio or else you risk epoxy not curing properly. When mixing, move the mixing paddle around the edges of the bucket so all material gets mixed. Mixing time is +/- 2 minutes with a mixing paddle to ensure proper mix. While wearing spiked shoes, pour properly mixed epoxy primer onto the floor in 4" - 6" wide ribbons running perpendicular across the floor. You have +/- 15 minutes before the epoxy will start to set in the bucket, the quicker you pour the epoxy on the floor, the longer working time you have. After the epoxy is poured out, use a squeegee parallel to the poured ribbons to push the epoxy puddle uniformly covering the floor. You can work the epoxy into the floor to seal any micro-holes. This will help prevent bubbles in the metallic epoxy. After the epoxy is squeegeed out, backroll with a 1/4" nap roller perpendicular to the way you squeegeed. Allow material to harden +/- 16 hours but not more than 24 hours before applying the next coat.

### **Pigment/Build Coat Mixing CFS-Clear Metallic Epoxy:**

Always mix complete batches. Epoxy needs to be mixed to the correct ratio or else you risk epoxy not curing properly. When mixing, move the mixing paddle around the edges of the bucket so all material gets mixed. Mixing time is +/- 2 minutes with a mixing paddle to ensure proper mix. After epoxy is fully mixed, slowly pour the metallic pigment into the epoxy while continuing mixing until it's uniform. It is imperative that the powdered pigment gets mixed into the epoxy thoroughly to avoid bubbles and/or comet trails in the final product.

### **Pigment / Build Coat Metallic Epoxy Application CFS-Clear Metallic Epoxy:**

While wearing spiked shoes, pour properly mixed epoxy onto the floor in 4" - 6" wide ribbons running perpendicular across the floor. You have +/- 15 minutes before the epoxy will start to set in the bucket, the quicker you pour the epoxy on the floor, the longer working time you have. This coat needs to be heavy, approximately 60-90 sq. ft per gallon. The thicker the metallic epoxy is placed, the more defects it will cover and the better your finished product will look. After the epoxy is poured out, use a squeegee or magic trowel, to push or pull the epoxy puddles uniformly covering the floor. Pour accent colors out and redistribute as needed for the look you are going for. NEVER apply any products below 40°F. It is advised to wait at least 30 minutes after installation to monitor for air bubbles. If air bubbles form, you can either use denatured alcohol (in a hand sprayer) or torch them lightly or use a spiked roller to remove them. Allow to cure at least 24 hours. before applying topcoat

### **Optional Urethane Top Coat CFS-High Solids Urethane:**

It is recommended to apply a urethane topcoat on top of a metallic floor to help prevent scratching. We recommend CFS-High Solids Urethane. If there are surface defects after the metallic epoxy application, sand to remove the defects before applying urethane topcoat.

\*The surface of the metallic floor needs to be lightly sanded prior to installing the Urethane topcoat. This can be a walk behind sander (from home depot) or drywall sanders on a pole. Just a light scratch is needed +/-220 grit.

This is a two component Urethane, Mix A&B thoroughly and pour into a roller tray or tub large enough to dip the roller into. (Use a respirator, it does have an odor.) Use in a well ventilated area. Dip a quality ¼" nap roller into the material and apply uniformity over the entire floor. This material is designed to go down thin, +/- 600 sq.ft. per gallon. Do not puddle the material. Allow 72 hour cure time before opening up to traffic.

**IF YOU HAVE ANY QUESTIONS AT ALL, PLEASE CALL JASON AT 610-972-5247.**