FLOOR COATINGS ETC. INC.

HANGAR FLOORS- PREPARATION AND INSTALLATION SPECIFICATIONS FOR:

8-MIL EPOXY/URETHANE SYSTEM

20-MIL EPOXY/URETHANE SYSTEM

SURFACE PREPARATION FOR EITHER SYSTEM:

1. If the floor has an existing paint or coating to be removed, grind the entire area using a self-contained, dust controlled, 480 volt 30-amp "Prep Master" diamond grinder" (Photo #1).

2. The existing coating or sealer can also be removed chemically using a methylene chloride based chemical stripper or Xylene or an appropriate aromatic solvent.

3. Reclaim the spent hazardous chemical-solvent waste. Place it in an EPA approved hazardous waste container. Label the container for ultimate disposal by the end user/customer.

4. Power scrub/degrease if required using an industrial grade high pH detergent (Photo#2).

5. Acid etch using a 4% to 8% solution of Hydrochloric (Muriactic) acid (20° Baumé) as recommended by the Portland Cement Association and NACE (Photo#2).

6. Neutralize the surface acid salts if required using an appropriate neutralizing agent such as tri sodium phosphate.

7. High pressure wash/rinse thoroughly with clean potable water and vacuum dry.

Photo #1

Photo #2

PRODUCT INSTALLATION: 8-MIL THIN FILM EPOXY COATING (WITH URETHANE TOPCOAT)

Description: A (2) coat, 8 dry mils, thin film coating system with a chemically resistant, aliphatic urethane topcoat.

1. Pre-patch all large holes, divots, cracks, etc., using an epoxy paste made of Econo Surf 3150 Epoxy and Cab-O-Sil TS-720. Grind smooth where necessary. Sweep and/or vacuum to remove residual epoxy dust and other contaminates.

2. Roller apply one (1) base coat of a pigmented, 65% solids clear or pigmented polyamide epoxy (ES-3144 Epoxy) using a 1/2" nap, 18" wide, mohair roller at approximately 6.5 wet mils (250 sq. ft./gallon). This yields about 4.5-dry mils.

3. If requested by customer, broadcast #36 aluminum oxide non-skid at a rate of approximately one (1) lb per 1,000 square feet into the wet film of the epoxy base coat.

4. Allow to cure minimum 6 hours then roller apply one (1) finish coat of a pigmented, V.O.C. compliant, chemical resistant aliphatic urethane (ES-5322 CRU) using a 1/2" nap, 18" wide, mohair roller at approximately 5.4 wet mils (appr.300 sq. ft./gallon). This yields about 3.5 dry mils.

5. The total dry film thickness will be 8 dry mils depending on roughness of the concrete substrate.

6. Material Requirements per 1,000 sq. ft.:

   - ❑ 4.0 gallons of ES-3144 Epoxy
   - ❑ 3.3 gallons ES-5322 CRU

PRODUCT INSTALLATION: 20-MIL HIGH BUILD EPOXY COATING (WITH URETHANE TOPCOAT)

Description: A (2) coat, 20 dry mils, thin film coating system with a chemically resistant, aliphatic urethane topcoat.

1. Pre-patch all large holes, divots, cracks, etc., using an epoxy paste made of Econo Surf 3150 Epoxy and Cab-O-Sil TS-720. Grind smooth where necessary. Sweep and/or vacuum to remove residual epoxy dust and other contaminates.

2. Notch or flat squeegee apply one (1) base coat of a pigmented, 100% solids clear or pigmented epoxy (ES-3150 Epoxy) and back roll using a 3/8" or 1/2" nap, 18" wide, mohair roller at approximately 16.5 mils (97 sq. ft./gallon).

3. If requested by customer, broadcast #24 aluminum oxide non-skid at a rate of approximately one (1) lb per 1,000 square feet into the wet film of the epoxy base coat.

4. Allow to cure a minimum of 6 hours then roller apply one (1) finish coat of a pigmented, V.O.C. compliant, chemical resistant aliphatic urethane (ES-5322 CRU) using a 1/2" nap, 18" wide, mohair roller at approximately 5.4 wet mils (appr.300 sq. ft./gallon). This yields about 3.5 dry mils.

5. The total dry film thickness will be 20 dry mils depending on roughness of the concrete substrate.

6. Material Requirements per 1,000 sq. ft.:

   - ❑ 10.3 gallons of ES-3150 Epoxy
   - ❑ 3.3 gallons ES-5322 CRU

TEXTURED AND NON-SKID SURFACES STATEMENT:

❑ The degree or amount of texture or non-skid that is used in a given coating is relative. Therefore, it is imperative that our customer determine the degree of non-skid required for his/her particular floor. FCEI cannot and will not accept the liability or responsibility for this decision.

❑ Our supervisor will be happy to inform your representative several hours in advance of when the non-skid or textured finish will be installed. Should you choose not to have one of your representatives present during this process, you are hereby accepting the degree of non-skid that will be installed by our supervisor.