FLOOR COATINGS ETC., INC.

P.O. Box 784 • New Castle, DE 19720

Phone: 302-322-4177 • Fax: 302-322-4457

PREPARATION AND INSTALLATION SPECIIFICATIONS FOR:

30-MILS HIGH BUILD COATINGS (WITH URETHANE TOPCOAT)

SURFACE PREPARATION:

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, "Diamond Grinder" (Photo #1).

2. Using a 15", 480-volt "Shot Blast" unit (Photo #2), profile the bare concrete floor surface to affect an approximate 80-grit sand paper finish to achieve a sound mechanical bonding surface for the squeegee applied, 100% solids epoxy.

3. Power sand and/or hand grind (using vacuumized diamond grinders) all edges, perimeter areas, etc. that are inaccessible to the shot blast equipment.

4. If necessary, clean out ALL expansion, isolation and control joints using a concrete saw.

5. Power sweep and/or vacuum the surface to remove all laitance, dust and excess shot.

Photo #1

Photo #2

PRODUCT INSTALLATION: 30-MILS HIGH BUILD COATINGS (WITH URETHANE TOPCOAT)

Description: A (3) coat, 30 dry mils, high build 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.

2. Notch squeegee apply 14-mils (114 sq. ft./gallon) Sil-Co-Sil 125 filled 100% solids epoxy (Econo Surf 3150 Epoxy) and back roll to level using a 3/8" nap, 18" wide, mohair roller.

3. Notch squeegee apply 12-mils (133 sq. ft./gallon) of a pigmented 100% solids epoxy (Econo Surf 3150) and back roll to level using a 3/8" nap, 18" wide, mohair roller.

4. Power sand/screen the entire area (if necessary) to remove surface defects such as grit, air bubbles, etc. and tack rag clean to remove fine dust.

5. Sweep and/or vacuum to remove residual epoxy dust and other contaminates.

6. If required, broadcast #24 or #36 aluminum oxide safe walk grit onto the cured epoxy basecoat at a rate designated by the customer's representative (typically one-lb. per 1,000 sq. ft.) See statement on textured and non-skid surfaces below.

7. Roller apply one (1) finish coat of a pigmented, V.O.C. compliant, chemical resistant aliphatic urethane (Econo Surf 5322 CRU) using a 1/2" nap, 18" wide, mohair roller at approximately 5 mils (300 sq. ft./gallon).

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

   - ❑ 16.25 gallons of ES-3150 Epoxy
   - ❑ 5.5 quarts UR-4 Colorant (if pigmented)
   - ❑ 3.3 gallons ES-53220 CRU

NOTATION ON SMOOTH SURFACES:

- ❑ ANY coating system that is meant to be smooth (no non-skid or texture) WILL HAVE some degree of surface defects – especially if a solvent or water based urethane is the finish coat. All coatings that are less than 100% solids are subject to out gassing bubbles resulting from heat, cold humidity, air movement, etc. It is virtually impossible to install a roller applied coating devoid of these types of surface defects.

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.