FLOOR COATINGS ETC., INC.

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PREPARATION AND INSTALLATION SPECIFICATIONS FOR:

ES-2125 125-MIL DOUBLE BROADCAST SHOP FLOOR

ES-2425 125-MIL DOUBLE BROADCAST DECORATIVE QUARTZ 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, "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 NOTES:

The difference between a 125-mils solid color Shop Floor and a 125-mils Decorative Color Quartz floor is that the shop floor utilizes a blend of silica sand and pigmented top coats while the decorative color quartz utilizes a blend of colored quartz particles and clear top coats.

It is also important to note that with either of these systems ALL moving joints are honored. They can be filled before the system is installed to create a seamless floor or ANY other point in the process. Consult your Econo Surf technical representative for descriptions and explanations of the different methods.

If a 4" integral cove base is being installed, it is done prior to the installation of the flooring.

PRODUCT INSTALLATION: 125-MIL DOUBLE BROADCAST SHOP FLOOR (WITH 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 or Garamite.
2. Notch squeegee apply a coat of 100% solids epoxy (Econo Surf 2200 Receiver Coat) filled with Sil-Co-Sil 125 at the rate of 30-mils or 53.3 sq. ft./gal and back roll to level using a 3/8" nap, 18" wide, roller sleeve.
3. Seed (broadcast) to excess (rejection) with a specially blended silica aggregate at the rate of 0.67 lbs. per sq. ft.
4. Sweep and /or vacuum to remove all excess silica aggregate.
5. Steps 2, 3, 4 are repeated.
6. If an "orange peel" texture is desired, power sand the exposed aggregate at the rate of approximately 2,000 sq. ft./hour using a slow speed floor buffer equipped with a sanding head and 60-grit paper.
7. Saw cut all moving joints as required and fill them with a flexible epoxy joint material.

8. Sweep and /or vacuum to remove dust, debris, contamination etc. resulting from the sanding/cutting process.

9. Notched or flat squeegee apply 20-mils (80 sq. ft./gal) of pigmented, 100% solids epoxy (Econo Surf 3150 Epoxy) and back roll to level using a 3/8" or 1/2" nap (depending on the desired finished texture), 18" roller sleeve.

10. Roller apply one (1) finish coat of a pigmented, V.O.C. compliant, chemical resistant aliphatic urethane (Econo Surf 5322 CRU) using a 3/8" nap, 18" wide, mohair roller at approximately 5 mils (300 sq. ft./gallon).

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

- ❑ 12.5 gallons of ES-2200 Epoxy for 1st Receiver Coat
- ❑ 50-lbs of Sil-Co-Sil 125
- ❑ 667 –lbs. Silica aggregate for Receiver Coat
- ❑ 12.5 gallons of ES-2200 Epoxy for 2nd Receiver Coat
- ❑ 50-lbs of Sil-Co-Sil 125
- ❑ 667 –lbs. Silica aggregate for Receiver Coat
- ❑ 12.5 gallons of ES-3150 Epoxy for Dress Coat
- ❑ 3.3 gallons ES-5322 CRU for Finish Coat

PRODUCT INSTALLATION: 125-MIL DOUBLE BROADCAST DECORATIVE COLOR QUARTZ (WITH 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 or Garamite.

2. Notch squeegee apply 20-mils (80 sq. ft./gallon) of Sil-Co-Sil125 filled 1st Receiver Coat of 100% solids epoxy (Econo Surf 3150-Epoxy) and back roll to level using a 3/8" nap, 18" wide, roller sleeve. (Approx. blended thickness is 30-mils).

3. Seed (broadcast) to excess (rejection) with color quartz aggregate at the rate of 0.67 lbs. per sq. ft.

4. Sweep and /or vacuum to remove all excess color quartz aggregate.

5. Steps 2, 3, 4 are repeated.

6. Notched or flat squeegee apply another 20-mils (80 sq. ft./gal) of a clear, 100% solids epoxy (Econo Surf 3150-Epoxy) and back roll to level using a 3/8" or 1/2" nap (depending on the desired finished texture), 18" roller sleeve.

7. Saw cut all moving joints as required and fill them with a flexible epoxy joint material.

8. Sweep and /or vacuum to remove dust, debris, contamination etc. resulting from the sanding/cutting process.

9. Roller apply one (1) finish coat of a clear, V.O.C. compliant, chemical resistant aliphatic urethane (Econo Surf 5322 CRU) using a 3/8" nap, 18" wide, mohair roller at approximately 5 mils (300 sq. ft./gallon).

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

- ❑ 12.5 gallons of ES-3150 Epoxy for 1st Receiver Coat
- ❑ 50-lbs. Sil-Co-Sil 125
- ❑ 667–lbs. Color Quartz aggregate for 1st Receiver Coat
- ❑ 12.5 gallons of ES-3150 Epoxy for 2nd Receiver Coat
- ❑ 667–lbs. Color Quartz aggregate for 2nd Receiver Coat
- ❑ 12.5 gallons of ES-3150 Epoxy for Top Coat
- ❑ 3.3 gallons clear ES-5322 CRU for Finish Coat

TEXTURED AND NON-SKID SURFACES STATEMENT:

❑ The degree or amount of texture or non-skid that is used in a given coating is a relative decision. 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.