SF SOLID COLOR FLOORS

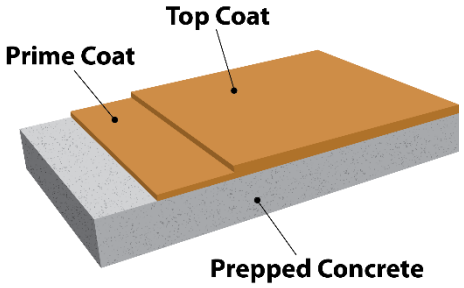
APPLICATION GUIDE

This document describes the application instructions for applying the SF Solid Color Floor system using the following products from South Fork Concrete Coatings.

REQUIRED PRODUCTS

- SF 100% Solids Epoxy Fast or Slow
- SF Urethane
- SF Epoxy Crack Repair

Coat	Product	ft²/gal.	WFT
Prime Coat	SF Water Chip Epoxy	150 ft²/gal.	11 mils
Top Coat	SF Urethane	500 ft²/gal.	3.2 mils



CONCRETE ASSESMENT

Moisture Content: A dry concrete slab is required for this system. Testing for moisture should be done with either a Calcium Chloride or a Relative Humidity test. A Calcium Chloride test should have a moisture vapor transmission lower than 3 lbs/1000 ft²/24 hours. A Relative Humidity Test should be higher than 75% RH. If the moisture content is lower than either of these two readings use SF Epoxy Primer Water Slow to mitigate the effects of moisture.

Hardness: A concrete slab of at least a minor hardness is required for this system. Test the concrete hardness with a Mohs Hardness Kit. The concrete should show a hardness of a 3 or higher to properly accept this system.

Other Conditions: Concrete must be structurally sound, free from oil, grease, silicones and other contaminants. Green slabs must have cured for at least 28 days prior to coating.

PREPARATION

Grinding/Shot Blasting: Concrete must be ground with a concrete grinder prior to the application of this system. Use 15-40 grit diamonds and achieve a profile of a CSP 2 to a CSP 3. Smooth out any grinder marks prior to system application. Shot Blasting may be used to achieve a profile of a CSP 3.

Vacuum: Once the grinding is finished vacuum the entire floor to make sure all dust has been removed.

Crack Repair: Repair all cracks using SF Epoxy Crack Repair. Do not cover saw cuts and expansion joints with either this system or the crack repair.

MIXING

Mix the following:

- 2 Parts SF Water Chip Epoxy A side Fast or Slow
- 1 Part SF Epoxy Primer B Side

Mix as many gallons as you will need for the area you are coating at a rate of 200 ft²/gal. or a Wet Film Thickness (WFT) of 9 mils.

Mix the SF Epoxy Primer A side with the B side. Mix thoroughly for 2 minutes scraping both the bottoms and sides of the container. You may use a stir stick or a slow moving drill powered paddle mixer being careful not to whip air into the products.

- SF Urethane A side
- SF Urethane B Side
- SF Urethane C Side

The SF Urethane comes in 1-gallon kits with 3 components, an A side and a B side that are liquid and a C side that is powder. The kit comes prepackaged and all three components should be mixed together in their entirety and not broken down. Thoroughly mix the A side with the C side and let it stand for 30 minutes, then mix again. Now mix the B side into the mixed A and C sides using a stir stick or slow-moving paddle on a drill for two minutes scraping all sides and bottom of the container. The kit is designed to be mixed in the containers that it came in.

PRIME COAT

Ribbon & Squeegee: Use the "Ribbon & Squeegee" method for the SF Water Chip Epoxy. Mix enough SF Water Chip Epoxy so that the entire floor will be covered at 200 ft²/gal. or 9 mils. Immediately pour the mixed Epoxy out on the floor in long ribbons. If the Epoxy stays in the bucket for longer than 5 minutes it will start to get hot and set up. **It is very important to get the Epoxy out of the bucket very quickly.** Spread the ribbons using an SF Squeegee so that the floor is entirely and evenly covered.

Use an SF Squeegee.

Back Roll:

Evenly and carefully back roll the Epoxy that has been squeegeed out. Overlap each back roll being careful not to leave roller marks in the finish.

Use an 18", 3/8" nap, non-shedding roller skin.

In the case of White and Safety Yellow it will take two prime coats.

SAND AND WIPE

Sand: Using 100 grit sand paper sand the entire Prime Coat. You may use either a mechanical sander being careful not to sand thru the prime coat or a hand sander be careful to thoroughly sand the entire floor.

Wipe with Acetone: Once the entire floor is sanded, wipe the entire floor down with Acetone and a micro-fiber mop.

TOPCOAT

Pour and Roll: Using the same color as the prime coat pour about a cup of SF Urethane out on the floor. Use an 18", 3/8" nap, non-shedding roller skin. Stretch the cup of urethane out so that it covers an area about 4'x8' or 32 ft². Repeat this process until the entire floor is covered. The floor should be covered at 500 ft²/gal. or 3.2 mils.

Back Roll:

Evenly and carefully back roll the product that has been Rolled out. Overlap each back roll being careful not to leave roller marks in the finish.

Use an 18", 3/8" nap, non-shedding roller skin

CLEANUP AND DILUTION

Use Xylene for cleanup. You my cut any of the wet products with up to 5% Xylene.