

South Fork CHIP Flooring System



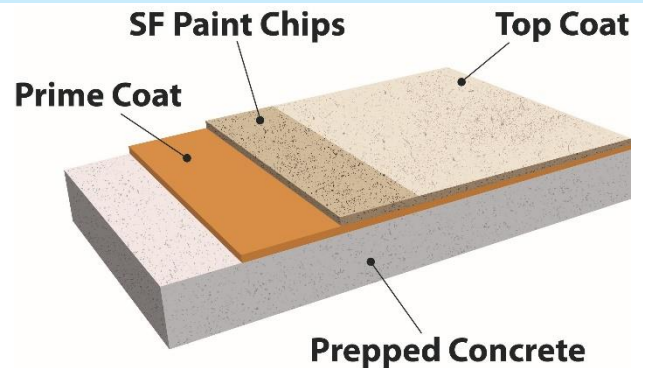
APPLICATION GUIDE

This document describes the application instructions for applying the South Fork Chip Flooring System using the following products from South Fork Concrete Coatings.

REQUIRED PRODUCTS

- SF Water Chip Epoxy Fast or Slow
- SF Paint Chips
- SF Polyaspartic 70
- SF Epoxy Crack Repair

Coat	Product	ft ² /gal.	WFT
Prime Coat	SF Epoxy Water Chip	200 ft ² /gal.	8 mL
Broadcast	SF Chip	300 ft ² /box	
Top Coat	SF Polyaspartic 70	165 ft ² /gal.	9.70



CONCRETE ASSESMENT

Moisture Content: A dry concrete slab is required for this system. Testing for moisture should be done with either a Calcium Chloride test. A Calcium Chloride test should have a moisture vapor transmission lower than 9 lbs/1000 ft²/24 hours. If the moisture content is lower than this reading 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 Epoxy Water Chip A side Fast or Slow
- 1 Part SF Epoxy Water Chip 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 8 mL.

Mix the SF Epoxy Water Chip 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.

- 1 Parts SF Polyaspartic 70 A side
- 1 Part SF Polyaspartic 70 B Side

Only mix as much as you can spread in 15 minutes at a rate of 165 ft²/gal. or a WFT of 9.70 mL.

Mix the SF Polyaspartic 70 A side with the B side. Mix only enough material so that it can be spread in 15 minutes. 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.

PRIME COAT

Ribbon & Squeegee: Use the "Ribbon & Squeegee" method for the SF Epoxy Water Chip. 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 a 3/8" nap non shedding roller skin.

BROADCASTING SF PAINT CHIPS

While the Prime coat is still wet staying as close to the back roll as possible broadcast the SF Paint Chips into the wet broadcast coat. Do so by throwing them into the air and letting them flutter down to assure an even coat. Do this to refusal or until you can no longer see the shine from the wet products. Let the Prime coat cure. This should take from 4 to 12 hours. To assess whether or not it is cured place your thumb on top of the paint chips with mild pressure. Then turn your thumb back and forth. If the paint chips do not move it is cured and you may move onto the next step.

Once the broadcast coat is cured sweep up the paint chips using a leaf blower. Bag and keep the left over chips for the next job making sure to tie the bag shut tight to keep out moisture.

SCRAPING

Using a 12 inch flexible metal floor scrapper held at about a 30 degree angle scrape the paint chips in a north/south direction, then an east/west direction and finally at a diagonal. Do not put too much pressure on the floor scraper.

Once the scraping is finished sweep the floor with a leaf blower. Throw the leftovers away as these paint chips are not reusable.

TOPCOAT

Dip & Roll: Use the dip and roll method. Put the amount of mixed SF Polyaspartic 70 Gloss A and B into a large enough container to be able to immerse the size roller you have chosen.

Use a 3/8" nap non shedding roller skin.

Dip your roller into the container and then roll out in an East/West or North/South direction applying the product at 165 square feet per gallon or a wet film thickness of 9.70 Millimeters. Then back roll the area in the opposite direction. Make sure that the coat is even and there are no roller marks, puddles or evidence of an uneven coat.

SECOND TOP COAT

An optional second top coat is advised over the first top coat. Apply this coat in the same manner as the first top coat except at a rate of 300 square feet per gallon or a wet film thickness of 5.33 millimeters.

RECOAT WINDOW

All of the coats in this system must be laid down within 24 hours of the previous coat.

CLEANUP AND DILUTION

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