



CFS-ONE DAY FLAKE FLOOR INSTALLATION INSTRUCTIONS

****Please read and understand all installation instructions prior to beginning your flooring project.****

Preparation:

We always recommend diamond grinding the concrete surface prior to installation. Grinding the concrete will help to remove any contaminants from the surface and will provide a good scratch profile guaranteeing the required bond to the substrate. Since this system is only using one base / prime coat, dust removal from the surface is imperative. Make sure you vacuum thoroughly.

(Please be aware that contaminants such as oil, which have penetrated into the concrete, in most cases cannot be fully removed and may cause materials to not bond to the surface.)

After the grinding is completed, the surface must be vacuumed to remove all loose dust and debris.

(It is also advised to not wash or rinse the floor with water unless there is additional time allowed for the concrete, joints and cracks to fully dry.)

Repairs:

Repair cracks and spalls using our CFS-Fast Set Epoxy Crack Filler/Spall Repair. After the repairs are completed, grind over the repaired areas to apply a scratch to the surface. This scratch will allow the materials to properly bond to the repaired surface areas.

Mixing The CFS- Poly Prime:

It is advised to always mix materials in the complete batches as received.

CFS-Poly Prime must always be mixed to the correct ratio as stated on the label. You will risk having the materials not fully cure if this step is not followed.

To properly mix the CFS-Poly Prime it is advised that you use a slow speed drill with a minimum 3" mixing paddle. During the mixing process, and with the drill on slow speed, move the mixing paddle around the edges of the bucket to ensure that all of the material gets mixed properly. Mixing time is +/- 2 minutes with a mixing paddle to ensure proper mix.

It is critical to review and understand the POT LIFE/CURE SCHEDULE prior to mixing and working with any of these materials. Most materials cannot be mixed and left in the bucket for any length of time.

Be advised, use of the CFS-Poly Prime Accelerator will reduce working time of the material.

(READ EACH MATERIALS TECHNICAL DATA AND SAFETY DATA SHEETS PRIOR TO INSTALLATION)

Installation:

A critical step when applying coatings is to ensure the proper coverage rates are followed. This is especially important when utilizing multiple flooring kits on larger flooring projects. It is advised that a mark/note is made, prior to installation, to show how much floor each mix should cover. This will ensure the materials are being put down at the correct rate.

1. CFS-Poly Prime Installation:

It is recommended to wear spiked shoes during the application steps. Spiked shoes will allow the installer(s) to work the entire area of the floor where the material has been poured, squeegeed or back rolled. Always take caution when wearing and walking in spike shoes. Do not drag spikes while walking as this may leave marks on the finished floor.

Begin by pouring the properly mixed CFS-Poly Prime across the floor in 4"-6" wide ribbons. The ribbons should be poured parallel to each other leaving approximately three feet between each ribbon pour. You have approximately 15 minutes before the CFS-Poly Prime will begin to set in the bucket. The working time is extended once the mixed material is poured onto the floor.

Next, using a notched squeegee, push the CFS-Poly Prime puddle while moving parallel with the ribbon pour to uniformly cover the floor. A 6" roller and 2" brush can be used to address edges and corners.

Finally, back roll the CFS-Poly Prime perpendicular to the direction it was squeegeed. It is recommended to use a ¼" nap 18" "Epoxy Glide" roller cover.

2. Decorative Flake Application:

Immediately after the CFS-Poly Prime has been back rolled, begin broadcasting flakes evenly across the floor by tossing them in the air and letting them shower down on the wet CFS-Poly Prime. It is recommended to first lightly broadcast the entire floor and then to repeat the process

until all of the available flake has been distributed or the desired look has been achieved. PRO TIP- Keep a battery operated leaf blower available, If you over broadcast in the beginning of the floor, you can blow the pile of excess flakes across the floor carefully to the area in need of flake.

Allow the CFS-Poly Prime to cure +/- 3hrs (without accelerator) before sweeping or vacuuming any excess flakes off the floor. A wide floor scraper may be necessary to knock down sharp edges or vertical chips if heavy or full flake was applied. Take care not to damage the underlying floor as the CFS-Poly Prime is still in a delicate stage.

3. Epoxy Top Coat Application (CFS-UV Clear Epoxy Topcoat):

It is recommended to wear spiked shoes during the application steps. Spiked shoes will allow the installer(s) to work the entire area of the floor where the epoxy has been poured, squeegeed or back rolled. Always take caution when wearing and walking in spike shoes. Do not drag spikes while walking as this may leave marks on the finished floor.

(If a more textured surface profile is desired, the included Aluminum Oxide additive can be broadcast onto the dry flake. To broadcast the aluminum oxide, take small pinches between your fingers and toss them in the air letting them shower down on the dry flakes. The broadcast of the aluminum oxide MUST be done prior to the back roll step. The back roll step will encapsulate the aluminum oxide into the topcoat.)

Begin by pouring the properly mixed epoxy topcoat across the floor in 4"-6" wide ribbons. The ribbons should be poured parallel to each other leaving approximately three feet between each ribbon pour. You have approximately 20 minutes before the epoxy will begin to set in the bucket. The working time is extended once the mixed material is poured onto the floor.

Next, using a squeegee, push the epoxy topcoat puddle while moving parallel with the ribbon pour to uniformly cover the floor. A 6" roller and 2" brush can be used to address edges and corners.

Finally, back roll the epoxy topcoat perpendicular to the direction it was squeegeed. It is recommended to use a ¼" nap 18" "Epoxy Glide" roller cover.

4. (Optional Upgrade) CFS-High Performance Urethane Application:

It is recommended to wear spiked shoes and respirator during the application steps. Spiked shoes will allow the installer(s) to work the entire area of the floor where the epoxy has been poured,

squeegeed or back rolled. Always take caution when wearing and walking in spike shoes. Do not drag spikes while walking as this may leave marks on the finished floor.

(If a more textured surface profile is desired the included Aluminum Oxide additive MUST be broadcast onto the dry flake prior to pouring the urethane topcoat onto the floor. To broadcast the aluminum oxide, take small pinches between your fingers and toss them in the air letting them shower down on the dry flakes. The back roll step will encapsulate the aluminum oxide into the urethane topcoat and allow for even distribution across the floor.)

Pour the properly mixed urethane into a watering can. Next, pour approximately 3” wide parallel stripes across the floor approximately 16” apart. Back roll the urethane topcoat perpendicular to the direction it was poured on the floor. It is recommended to use a ¼” nap 18” “Epoxy Glide” roller cover.

This material is designed to go at approximately 166 sq.ft. per gallon. A second coat can be applied if a heavy topcoat is desired. Allow 72-hour cure time before opening up to traffic.

5. Clear Polyaspartic Topcoat Application (CFS-1C Polyaspartic):

It is recommended to wear spiked shoes and respirator during the application steps. Spiked shoes will allow the installer(s) to work the entire area of the floor where the polyaspartic has been poured, squeegeed or back rolled. Always take caution when wearing and walking in spike shoes. Do not drag spikes while walking as this may leave marks in the finished floor.

(If a more textured surface profile is desired, the included Aluminum Oxide additive can be broadcast onto the dry flake. To broadcast the aluminum oxide, take small pinches between your fingers and toss them in the air letting them shower down on the dry flakes. The polyaspartic application and back roll step will encapsulate the aluminum oxide into the polyaspartic topcoat.)

Begin by pouring the clear CFS-1C Polyaspartic across the floor in 4”-6” wide ribbons. The ribbons should be poured parallel to each other leaving approximately three feet between each ribbon pour. You have approximately 30-45 minutes before the polyaspartic will begin to tack up.

Next, using a flat EPDM squeegee, push the polyaspartic topcoat puddle while moving parallel with the ribbon pour to uniformly cover the floor. A 6” roller and 2” brush can be used to address edges and corners.

Finally, back roll the polyaspartic perpendicular to the direction it was squeegeed. It is recommended to use a ¼” nap 18” “Epoxy Glide” roller cover.