



**CONCRETE  
FLOOR  
SOLUTIONS**

## **CFS-CTR SERIES 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 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- CTR Polyurea Coating:**

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

Mix entire 3 gallon kit together (A&B plus desired pigment) in supplied bucket.

Make sure all edges are mixed well. Mix until consistent in color +/- 2-3 minutes.

Potlife +/-30 minutes

**(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-CTR Polyurea Coating 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-CTR Polyurea Coating 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 15-20 minutes before the CFS-CTR Polyurea Coating will begin to set on the floor and 25-30 minutes before it sets in the bucket.

Next, using a +/-10mil notched squeegee, push the CFS-CTR Polyurea Coating 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-CTR Polyurea Coating perpendicular to the direction it was squeegeed. It is recommended to use a ¼" nap 18" "Epoxy Glide" roller cover. This must be done within the 20 minute window or the material will gel and not soak into the concrete.

### **2. Decorative Flake Application:**

Immediately after the CFS-CTR Polyurea Coating 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-CTR Polyurea Coating. It is recommended to fully broadcast the entire floor. 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-CTR Polyurea Coating to cure +/- 2-3hrs 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-CTR Polyurea Coating is still in a delicate stage.

### **3. Clear Polyaspartic Topcoat Application CFS-2C Polyaspartic (Slow Set Two Component):**

It is recommended to wear spiked shoes during the application steps. Spike 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.

This is a medium set time material. Based on the technical data sheet the actual usable working time is +/- 30 minutes, depending on environmental conditions and volumes.

Begin by pouring the properly mixed polyaspartic topcoat across the floor in 4"-6" wide ribbons. The ribbons should be poured parallel to each other leaving approximately two-three feet between each ribbon pour. Only pour out what can be squeegeed and backrolled with 30-35 minutes. The mixed material will last in the bucket (unlike epoxy) for 30-40 minutes depending on environmental conditions.

Next, using a flat flexible 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.

(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.) Finally, back roll the polyaspartic topcoat perpendicular to the direction it was squeegeed. It is recommended to use a 1/4" nap 18" "Epoxy Glide" roller cover.

Allow 72 hour cure before returning to full traffic.