

# INSTALLATION INSTRUCTIONS

## Preparation:

We always recommend diamond grinding. By grinding any contaminants off the surface and providing a scratch to the surface, you are guaranteeing a good bond to the substrate. Make sure surface is vacuumed well after grinding to remove all loose dust etc.

## Repairs:

Repair cracks and spalls using CFS-343 fast set epoxy. After the repairs are made, grind over the area to apply a scratch to the surface of the repairs for the epoxy to bond to.

## Installation:

Always install a primer. Primers are designed to penetrate into the surface of the concrete so that it is fused into the floor. Therefore every coat after that is bonded to a material that is locked into the substrate.

## Mixing:

Always mix complete batches. Epoxy needs to be mixed to the correct ratio or else you risk epoxy not curing properly. When mixing, move mixing paddle around the edges of the bucket so all material gets mixed. Mixing time is +/- 2 minutes with a mixing paddle to insure proper mix.

## Epoxy Primer Application (CFS-707LVP):

While wearing spiked shoes, pour properly mixed epoxy primer onto the floor in 4"-6" wide ribbons running perpendicular across the floor. You have +/- 20 minutes before the epoxy will start to set in the bucket, the quicker you pour the epoxy on the floor, the longer working time you have. After the epoxy is poured out, use a squeegee parallel to the poured ribbons to push the epoxy puddle uniformly covering the floor. After the epoxy is squeegeed out, backroll with a 3/8" nap roller perpendicular to the way you squeegeed. Allow material to harden +/- 16hrs but not more that 30hrs before applying next coat.

## Epoxy Intermediate / Top Coat Application (CFS-707):

While wearing spiked shoes, pour properly mixed epoxy onto the floor in 4"-6" wide ribbons running perpendicular across the floor. You have +/- 20 minutes before the epoxy will start to set in the bucket, the quicker you pour the epoxy on the floor, the longer working time you have. After the epoxy is poured out, use a squeegee parallel to the poured ribbons to push the epoxy puddle uniformly covering the floor. After the epoxy is squeegeed out, backroll with a 3/8" nap roller perpendicular to the way you squeegeed. Above system complete.

OR If applying flakes, refer to Flake Application below. Allow material to harden +/- 16hrs but not more than 30hrs before applying next coat.

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## Optional Flake Application:

Apply flakes evenly by tossing them in the air and letting them shower down on the wet epoxy floor. I would recommend going over the whole floor lightly and once the whole floor is flaked, repeat the process until you either run out of flake or achieve the desired look. Allow floor to cure +/- 24hrs, sweep or vacuum 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.

## Epoxy Top Coat Application (CFS-137MUV):

While wearing spiked shoes, pour properly mixed epoxy onto the floor in 4"-6" wide ribbons running perpendicular across the floor. You have +/- 20 minutes before the epoxy will start to set in the bucket, the quicker you pour the epoxy on the floor, the longer working time you have. After the epoxy is poured out, use a squeegee parallel to the poured ribbons to push the epoxy puddle uniformly covering the floor. After the epoxy is squeegeed out, apply optional aluminum oxide by tossing it in the air (pinches of material at a time) onto the wet epoxy, backroll with a 3/8" nap roller perpendicular to the way you squeegeed. Allow material to harden +/- 72hrs before opening up to traffic. Use the "nail test" if you push your thumbnail into the epoxy and it leaves an indent, wait longer. Temperature plays a huge part in this, the colder the temps, the longer the cure.

NEVER apply any products below 40°F.

## Urethane Top Coat Application (CFS-356 OR CFS-359):

Properly mix material, depending on which product you are using. Pour Urethane into a roller tray. Dip a quality 3/8 nap roller into the material and apply uniformity over entire floor. These materials are designed to go down thin, +/- 400 sq.ft. per gallon. Do not puddle the material. If a heavy coat is desired, apply two coats of material. Allow 72hr cure time before opening up to traffic.

## Polyaspartic Top Coat Application (CFS-444X)

This material can set quicker in warmer temperatures, so don't waste much time applying this.

Properly mix material and pour 4"-6" wide ribbon on the floor.

Immediately start squeegeeing. Add optional aluminum oxide and backroll to interlock the aluminum oxide in the CFS-444X. Backroll with a  $\frac{3}{8}$ " nap roller perpendicular to the way you squeegeed. Allow 72hr cure time before opening up to traffic.