FlexKrete ™
Detailed Non-Skid Broadcast Application Instructions

This process is used for a coating over the concrete surface, where you apply a coat of FlexKrete with rollers, and immediately broadcast sand, quartz, or aluminum oxide onto the wet FlexKrete. After the FlexKrete sets up, you will broom off any loose aggregate, and then seal the decorative finish with FlexSealer1000.

Site Preparation

Ensure that Surface is Clean and Dry: As with all FlexKrete applications, you need clean concrete. Many broadcast applications are done on interior floors that have been previously sealed, painted, or may contain contaminants like hydraulic fluid. You must ensure clean white concrete by bead blasting and/or grinding, brushing and brooming or vacuuming clean.

Tape Area: You will want to use duct tape to symmetrically tape off the area accurately. Anything not taped will end up being very hard to remove, and anywhere misaligned tape is on an area to be covered it will look sloppy.

Mixing and Applying FlexPrime

Estimate Amount of FlexPrime: You are going to mix enough FlexPrime to paint a VERY THIN coat that completely covers the concrete within the repair area. A simple way to estimate the amount needed is to estimate approximately 300 square foot of coverage per gallon. (38 sf. a pint) (75 sf. a quart).

Mix and Apply FlexPrime: Mix equal parts of A & B for 3+ minutes, and apply a VERY THIN COAT with a roller. Make sure that the FlexPrime is not puddled at all, a good policy is to roll a dry roller over the area after applying. If you are priming a lot of area on a hot day, try to only mix up enough FlexPrime that can be applied within 15 minutes. If the FlexPrime starts to thicken up DO NOT apply it DISCARD.

After rolling it on you can lightly sprinkle some sand onto the FlexPrime which will help you on the next step with a high build coat of FlexKrete.

Mixing and Applying FlexKrete

Estimate FlexKrete Coverage: The goal is to apply the thickest coat of FlexKrete you can, without having puddles or ridges. Typically, you should try to apply the FlexKrete at about 65 to 75 square foot a gallon. Since you won't know how much EXACTLY the concrete will accept, when you pour out the ribbons – hold back on pouring about 10% to the end of the roll area.

Pre-Mix FlexKrete Before Using: Even if you are using Clear FlexKrete, you must pre-mix the bucket.

Broadcast Application: Catalyze FlexKrete, then pour out ribbons, then roll out the FlexKrete thickly and evenly without leaving uneven ridges or puddles. You should IMMEDIATELY

Have Questions?
Call Greg: (817) 808-8970

broadcast aggregate to refusal, onto the wet FlexKrete. It is a good idea to have the "thrower" start the broadcast on the first portions of the rolled areas as soon the "roller" gets ahead a few feet. When you broadcast the quartz, sand, or aluminum oxide, ensure to initially throw the sand up in the air so it lands flat upon the surface and does not create any ridges from the broadcasting. Two coats are recommended for extreme traffic or a richer color and the most durable finish.

Finishing

Remove Tape: If possible, remove the tape before FlexKrete completely sets up or the tape may be stuck to the pavement in spots. A utility knife or multi-tool comes in handy to remove stubborn tape.

Broom Clean: When the FlexKrete is sufficiently set up, usually within 30 minutes to 1 hour, you should use a stiff broom and leaf blower/shop vacuum to remove any and all loose aggregate.

Apply FlexSealer 1000: When the exposed broadcast is completely free of loose particles, you will seal the new floor with FlexSealer1000. You may use an airless sprayer or a roller. If using a roller, use a ¼" to 5/8" knap. Pour out small puddles of FlexSealer onto the floor starting at one end of the area and lightly and slowly pull the FlexSealer1000 puddles toward you. Do not overwork the material or you will create air bubbles. Do not leave the sealer on thick. If you want a high shine thick coating it is better to do 2 or 3 thin coats with sufficient drying time between them.