

## TECHNICAL BULLETIN Epoxy Sand Broadcast

Prior to the application of ProSpec® Level Set® Underlayments and Overlay

An epoxy priming system is usually used when optimal performance is required from self-leveling underlayments and overlays that can be subjected to high stress levels. When your project is requiring the highest standards in performance, ProSpec recommends that you use the ProSpec® Epoxy Primer sand broadcasting system. This will ensure the highest degree of crack resistance and surface finish.

The ProSpec® Epoxy Primer is a two component 100% solids epoxy for the installation of ProSpec® Level Set® overlay and underlayments. This is the required primer when installing the ProSpec® Level Set® Wear Topping as a decorative or polished finish. When using the epoxy in this fashion it does not require and additional priming, the sand broadcast is your primer.

The substrate in which you will be installing on will require some substrate preparation, the following are necessary:

- Substrates must be structurally sound, completely clean, dry, solid, and dimensionally stable
- Mechanically prep the concrete substrate to obtain an ICRI CSP 3 to 5
- Non-porous substrates, such as epoxy coatings, ceramic tile and quarry tile, should be well-bonded and should always be mechanically cleaned and roughened
- Abrasive blasting to a white metal finish when installing over a metal substrate, and wipe it clean with a residue-free solvent (such as acetone)

Mixing of the epoxy primer is very simple, pour **Part B** into a 5 gallon bucket and then add **Part A** and mix thoroughly for 3 minutes using a low-speed mixer with a jiffy (paint) style mixing paddle.

Installing the sand broadcast system requires less time than it takes to prep the substrate for a successful installation. The steps below will assist you in how the sand broadcast system works best:

- Apply a smooth even 8 – 10 mil coating over the prepped substrate using a flat squeegee followed by a 3/8" nap roller, use a nylon paintbrush for those hard to reach areas
- While the epoxy is still wet (within 30 minutes), broadcast the sand to refusal. You want to use clean, oven dried sand that has a mesh size from 20 to 35 and is free of fines. Usually this will take 2/3 lb. to 1 lb. of sand per square foot
- After a 6 hour cure time remove all the loose sand by sweeping and vacuuming with an industrial vacuum
- Check for any bald spots and reapply to those areas

As the industry is moving towards overlays being polished, the ProSpec® Level Set® Wear Topping is used over the epoxy sand broadcast primer for the highest levels of performance. Once all the steps have been followed above and the published technical data sheets have been reviewed the Level Set® Wear Topping is installed at a minimum depth of 3/8" after the polishing is completed from the highest point. Polishing of the Level Set® Wear Topping can take place in 24 – 72 hours, depending on the conditions of the job site.