ZIRCONIA™
Ending Concrete Corrosion

BulletProof™ Mixing and Installation Instructions

Substrate Preparation

BulletProof must only be applied over fully bonded, cured, and clean, and dry CeramycGuard™. **Ensure that CeramycGuard is free of all foreign or unsound materials, including oils, detergents, residues, dirt, debris, or any other bond breakers.**

Perform all necessary QC procedures for CeramycGuard prior to any application of BulletProof. Refer to CeramycGuard TDS and installation instructions.

CeramycGuard may be swept, mopped, power washed, or auto scrubbed with hot water. If water is introduced for cleaning, then CeramycGuard must be allowed to fully dry prior to application of BulletProof. If incidental contamination occurs due to oil, lubricant, detergent, or introduction of other foreign materials, then these areas must be properly cleaned with all residues from cleaning agents removed.

CeramycGuard must be clean and dry prior to application BulletProof. If you have questions, please consult with a Zirconia technical representative.

Mixing and Application Instructions

Mixing:

1. Thoroughly clean intended application surface, removing all contaminants and loose debris.
2. Allow application surface to fully dry.
3. Ensure that application surface does not exceed 85 °F (27 °C)
4. Using clean pail or appropriate mixing container, empty entire contents of Part A. If mixing multiple gallons at once, pour in Part A of every gallon.
5. Pour entire contents of Part B into Part A. If mixing multiple gallons at once, pour in Part B of every gallon.
6. Using wooden stir stick, or other stirring tool, slowly and gently mix combined solution for 120 seconds and let stand for 45 minutes prior to application for pre-polymerization process (the mixed components will begin chemically interacting with each other).
7. If using Zirconia's integral ceramic slip resistance additive, add predetermined amount just prior to application. *Add rate and grit size should be determined prior to ordering.*
8. Mix slowly and gently with drill and mixing attachment for 60 seconds until particles have been fully dispersed.
9. Due to difference in density, slip resistance particles will begin to float to the surface after mixing. Material should be remixed and continually agitated as it is poured out or loaded onto roller covers.

Application:

1. A Zirconia representative should be onsite, or virtual technical training should be completed, prior to applying product for the first time.
2. BulletProof must only be applied over fully cured and clean CeramycGuard.
3. Verify that the application surface is still clean and free of loose debris and contaminants.
4. Material should be applied by dip and roll application or by pouring a ribbon directly onto substrate and back rolling. Using recommended roller cover, apply BulletProof evenly to surface such that surface is completely saturated, achieving a wet film thickness of 2-3 mils. Please note:

    a. Only light pressure should be applied to the roller during application, as this will help with achieving even application and reducing excessive material consumption.
    b. Touchups should be applied wet on wet, being sure not to exceed 3 mils WFT. Otherwise, material should be allowed to dry until tack-free before recoating.
5. When using integral slip resistance, material must be continuously mixed or agitated to maintain particle dispersion. ***If slip resistance particles are allowed to float and congregate at surface, uneven distribution of slip resistance will likely occur on application surface.***
6. Evenly saturate entire surface area, lightly re-wetting areas as needed where early matting occurs. Spikes must be worn if coated areas need to be traversed prior to initial cure (hardening).
   Matting will occur in more highly porous areas, causing material to absorb more heavily and rapidly
7. Protect BulletProof from water for a minimum of 24 hours. Keep coated areas free of foot traffic and equipment until fully cured.
8. Monitor temperature and humidity during cure time to be sure of proper curing conditions.