



CG HeatShield™ Mixing and Installation Instructions

Substrate Preparation

CG HeatShield 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 CG HeatShield. 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 CG HeatShield. 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 of CG HeatShield. If you have questions, please consult with a Zirconia technical representative.

Mixing and Application Instructions

Note that CG HeatShield Pat A contains materials that may settle and precipitate out of solution over time. Be sure to reincorporate all materials by thoroughly shaking or mixing until uniform dispersion is achieved. It is recommended to use a paint shaker if available, and to mix all materials the day before intended use.

Mixing:

1. Vigorously shake can for at least 1 minute, then open can and scrape the bottom and sides to loosen any agglomerated materials.
2. Mix again until all materials are uniformly incorporated, with no clumping.
3. Add catalyst at 0.5% by mass weight, and mix for 1 minute, or until fully incorporated.

Application:

1. Verify that ambient and substrate temperatures are between 55°F-85°F, and relative humidity is between 30%-85%.
2. Verify cleanliness of substrate prior to application of any mixed CG HeatShield.
3. Using drill at low RPM, quickly remix CG HeatShield just prior to application.
4. Using recommended roller cover, flat brush, or bristle brush cut in perimeter areas as necessary, prior to coating of main section.
5. Using recommended roller cover or flat brush, apply CG HeatShield over intended surface until a thickness of 1-3 mils and hiding power has been achieved. Application rates will vary depending on the porosity of the substrate.
6. Shoe spikes must be worn if coated areas need to be traversed before initial cure (hardening) of material.
7. Protect CG HeatShield 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. We advise the use of a HOBO air temperature and humidity meter or similar for this purpose.