C² PIN FIX™

Step-by-Step Application Instructions – Interior / Exterior Applications

Before beginning, always read SDS and Product Data Sheet for complete instructions and safety information. Always prepare a test panel before proceeding.

Application

1. Begin metals grinding at appropriate level.
2. Insure that surface is clean and free of dust and debris prior to applying C² Pin Fix™
3. Dilute C² Pin Fix™ up to 33% with clean water and mix well. 1-part water, 2-parts C² Pin Fix™.
4. Immediately prior to the final metal grind (100/120 metal), apply C² Pin Fix™ (to a clean floor) with sprayer in front of a grinder and distribute with a soft push broom to work the product into the pores of the concrete. When surface temperatures are warmer (27-32°C), applying C² Pin Fix ™ to a slightly water damped floor will also help to distribute C² Pin Fix™ evenly and prevent premature drying. Do not apply C² Pin Fix™ to surface temperatures below 10°C or above 32°C.
5. Apply C² Pin Fix™ generously so concrete is saturated but with no puddles. Use standard pump-up sprayer. Apply up to 3 meters in front of the grinder.
6. While C² Pin Fix™ is still wet, grind with 100/120 metals (No Vacuum) until the floor is dry immediately behind the machine. One or two passes are needed (depending on surface conditions) to set C² Pin Fix™. Do no allow C² Pin Fix™ to dry on surface before going over with the grinder. Not using your vacuum at this point is critical. C² Pin Fix™ needs the dust to bond with into the pin holes & cracks.
7. Typical coverage for concentrated (non-diluted) C² Pin Fix™: 5-10 m2/L.
8. Allow to dry 2-12 hours for maximum curing before continuing on grinding/polishing process. This is the critical point! If C² Pin Fix™ is not completely cured, it could smear on the surface at next resin polishing level. Dry times all depend on moisture and temperature levels. “Do not clean up slurry/residue left behind from this process”. Let it cure with C² Pin Fix™.
9. If C² Tint™ or C² Color Hard™ is “NOT” being applied, you should densify concrete either after last metal grind (100/120 metal) or after first resin polish (50 resin). This will help to lock in C² Pin Fix™ into the pores. If applying C² Tint™, densify only after the C² Pin Fix™ last coat.

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Note: If you have larger holes (about 1 centimeter) in concrete due to aggregate pop out, add a little Portland cement directly over those areas, filling them up. Then apply C² Pin Fix™ generously over area (insuring it does not dry) and mist with water if needed. Then grind per steps above. The extra Portland cement will help to insure those larger holes will fill in and stay filled.

Note: If you find before your final metal grind there are "Many" visible pin holes you will find best results if you add Portland cement or any repair motor to the application process. Saturate the slab heavily in front of the grinder with C² Pin Fix™. Immediately lightly shake-on the Portland over the C² Pin Fix™ and grind over it. This method may require more C² Pin Fix™ then the standard application.

Cleaning: C² Pin Fix™will accumulate with the dust and adhere to the undercarriage of your grinding machine. This should be cleaned properly before continuing on to the next resin level.

- Use C² Remove™ diluted 3-1 with water (3 parts water, 1 part C² Remove).
- Spray on undercarriage of machine and let dwell for 2-3 minutes.
- Scrub undercarriage with stiff hand brush to remove build up.
- Rinse thoroughly with clean water.

The above instructions are guidelines that can be modified for specific equipment, jobsite conditions or personal experience.

Disconnecting the vacuum prior to grinding the C² Pin Fix™ will facilitate incorporation of dust into the product and pores. Reconnect vacuum prior to continuing grinding. Longer dry times are recommended for maximum cure. Test areas are recommended to determine best practices for job site conditions.