

ElectraGuard High Gloss Repair Procedure

Original Release Date: 5/9/2019, Revision date 5/24/19

Like all ESD Flooring materials the ElectraGuard High Gloss System may become damaged by gouges, scuff marks or scrapes. **Note:** ElectraGuard is NOT recommended for chair caster traffic. This is especially true if technicians are working with small nuts, bolts, wire clipping etc. that may get caught between the casters of the chair and the epoxy floor paint. Should this type of wear be encountered consider a [Titanium 2mm thick ESD chair mat](#) for use in these areas. ElectraGuard is not recommended for use with steel casters. Consider replacing steel casters and wheels with those made of nylon or rubber.

ElectraGuard base to catalyst mix ratio: It's always best to repair areas using the same dye lot as the original ElectraGuard Epoxy. This is especially true for all colors other than light gray. United can supply quart containers in the color of your original floor. The color match will be exceptional with light gray. Other colors may slightly vary. Should you have some of the original dye lot in large containers this may be broken down using the following method: Stir base product using a rotary mixer until all solids in the bottom of the pail are broken up and the product has a well-blended creamy looking consistency.

To make a gallon of ElectraGuard: Pour 118.2 ounces of the base into a container and blend with 9.8 ounces of catalyst. Note this mix ratio has a plus or minus of 5%. Quart containers may be catalyzed by dividing these amounts by 4.

Note: For general purpose scuff mark removal, high speed burnishing generally works well. For detailed instructions on ElectraGuard Floor Care Maintenance please [visit this document](#).

1. Basic Requirements: The flooring should be free of dust, oils, residues, loose paint or underlayments that may interfere with the bonding of ElectraGuard, its associated pre-coats or concrete fillers.

2. Scratch marks and gouges that do not extend through the ElectraGuard: Lightly sand the scratch and surrounding area using a detail sander:



As needed: Blend the surrounding area using a 240 grit or finer open screen rotary sander. Recoat the

area with two coats of ElectraThane and a topical coat of ElectraGlaze. **Note:** Using a fan on the coats will reduce dry time. Should further blending be required allow 24 hours for the coatings to cure and high speed polish with a white or champagne colored pad and [ElectraShine](#).

3. Deep pits and gouges extending through to the concrete or underlayment: Remove loose

paint and any underlayment that is not well bonded using a detail or rotary sander. Use a die grinder equipped with a carbide cutter for deep holes and pits. If pits and gouges are noticeably deep they may be filled using Mapei Plani-Patch or a similar [Portland based](#) concrete patching compound.

If the use of Mapei (or similar) is required sand the finished profile flat, remove the residual dust and apply a coat of ElectraThane using a microfiber mop. Store the mop in an airtight trash bag for ease of reuse. Allow the ElectraThane to dry for approximately 1 hour.

Note: The use of a fan will reduce the dry time.

Reroll the repaired area using one to two thin coats of ElectraGuard. Observe all safety precautions listed in the [SDS sheet for the base](#) and the [SDS sheet for the catalyst](#). Apply the ElectraGuard with a 3/8" nap paint roller (or a brush for very minor touchups). Allow the ElectraGuard to dry. Apply two thin even coats of ElectraGlaze to the repaired and surrounding

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area using a microfiber mop. If blending of the floor finish is required allow the coating to cure 24 hours and burnish the repaired and surrounding areas with a white or champagne colored pad and ElectraShine.

4. Recoating the entire area: ElectraGuard ESD flooring easily accepts another coat of ElectraGuard.

Repair cracks and concrete *only* if needed using the same basic procedures as is shown in section 3 of this document. [See concrete repair for ESD flooring for more information.](#)

Remove any existing floor finish by lightly sanding the floor using a 240 grit (or finer sanding disk). Remove the residual dust using an [oil free sweeping compound](#) and a new soft push broom (shop vac if needed).

Catalyze the amount of ElectraGuard that will be required based on an approximate coverage of 350 to 400 square feet per gallon.

Apply the coating using a 3/8" nap wide boy paint roller following the procedure listed in [section 6.8 of this online document.](#)

Reseal the entire floor by mopping on 2 thin coats of [ElectraThane](#) followed by 1 thin coat of [ElectraGlaze](#) calculating the coverage using 1,500 sf per gallon per coat. Use a microfiber mop such as an O-Cedar Hardwood Floor N More for good results.

Contact United Tech support for assistance with these instructions by calling 719 676 3928 (extension 7000).

Notes:

- For areas that require extensive concrete repair apply a single coat of ElectraBond to the entire floor prior to rolling with the ElectraGuard Epoxy – this will help hide the repair.
- Do not apply masking tape to the area being repaired.

- This same basic repair procedure may be used on isolated gouges, dings and divots however the best aesthetics are achieved when rolling large areas or the entire floor.
- Store mops, rollers and brushes in airtight plastic bags for ease of re-use.
- ElectraGuard should be used within six hours of catalyzing the product. However, many clients report that it has successfully been stored overnight in an airtight container, re-stirred and reused the next day.
- Be SURE to order the same color as was originally applied. Light Gray ElectraGuard is very consistent from dye lot to dye lot – all other colors may vary slightly. Contact United should you not be able to recognize your color from the [color chart located here](#) and on the [shopping cart.](#)

End of Document

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