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TECHNICAL BULLETIN

MirrorCoat® Buffing & Polishing Procedure

Introduction:

System Three® has assembled a kit for repairing minor imperfections in a cured surface of MirrorCoat bartop epoxy. Problems such as dust, debris, or fine scratches can be remedied using the **System Three Repair & Restore Kit**. Tools you'll need to use the kit are a 5 or 6-inch dual-action (DA) sander and a polisher. The kit containing sandpaper and compound is available for purchase on our website at www.systemthree.com.

Using the Repair & Restore Kit:

1. Clean the MirrorCoat with water-dampened paper towels and wipe dry.
2. The first cut is done using 1000 grit paper. Lightly spritz a 2'X2' zone with water. Run the sander over the surface at a slow even pace. Outside edges should be gone over 2 times to ensure sufficient abrasion occurs, matching that of the field. Proceed by overlapping each pass by 1/3. If necessary, lightly rewet the surface. Avoid getting too much water on the MirrorCoat. Excess water can over-lubricate the paper, resulting in poor cutting performance. Ideally you want to see a wet, free flowing, semi-translucent, white slurry forming where you've sanded.
3. Once you have sanded the 2'X2' zone, proceed to sand the adjacent 2'X2' zone overlapping by 3-4". Replace the paper after approximately 10 sq. ft. of use. After the entire area has been cut with the 1000 grit paper, remove the sanding slurry with fresh water and paper towels.
4. Now proceed to 1200 grit, implementing the process defined above in steps 2-3.
5. Now proceed to 1500 grit, following steps 2-3.
6. Now proceed to 3000 grit Trizact™ pads, following the same procedure outlined in steps 2-3. Replace the Trizact pad after approximately 15-20 sq. ft. of use.
7. Finish sanding with the 5000 grit Trizact pad, following the steps outlined in steps 2-3.
8. Thoroughly clean the MirrorCoat with plenty of water and paper towels. Make sure the surface is clean and dry before proceeding to the polishing phase.
9. For the polishing phase, you will once again work a 2' x 2' zone. First, clean the polishing pad with a conditioning brush. Now apply Perfect-It™ EX Rubbing Compound to the polishing pad by placing dime size dollops approximately 3" apart. Without starting the polisher spread the Perfect-It evenly over a 1' x 2' area. Now start the polisher with the pad slightly canted to the side (either right or left depending on the layout). **Note: Be careful to move the polisher fairly rapidly over the MirrorCoat. Moving too slowly will overheat the surface resulting in poor polishing.** Move the polisher from end to end over the 1' x 2' area. Continue polishing until the surface reaches a high gloss. Clean the polishing pad with the conditioning brush, and then apply more Perfect-It. Slightly overlap the previously polished area by 3-4". When the surfaced has reached a high gloss, blend the two areas by moving the polisher over the entire 2' x 2' zone.
10. Continue polishing the MirrorCoat in 2' x 2' zones slightly overlapping each time by 3-4" and blending into the adjacent zone.
11. Wipe a final time with a soft cloth or towel.

CAUTION: Care must be exercised when using electrical equipment around water. Plugging into a GFI circuit is necessary, as well as having the tools in proper working order. Rubber gloves and a rubber mat are recommended. Do not stand in water on the floor.

NOTE: This buffing and polishing procedure has been thoroughly tested; however, individual results may vary.

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