



A STEP-BY-STEP GUIDE CONCRETE FLOOR RESTORATION

A Wet Diamond Process to **Restore & Refinish** Concrete Floors



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PREPARATION

1. Obtain all necessary equipment, tools, and consumables, (refer to Concrete Floor Restoration Brochure).
 - a. Be sure to have 25% more consumables than estimated.

2. Remove anything covering the floor, (including coatings, paint, decals, gum, etc).

Note: For this process guide, the American Sanders Phoenix™ Modular Sander with planetary head is recommended.

GRINDING & POLISHING

3. Wet the floor with a mop or hose. Using the Phoenix™, grind the floor with REPAIR diamond discs - 3 passes. Make sure there is enough water for the floor to remain wet after completing each pass of the machine.
 - a. On each pass, overlap half a head and change directions making a cross-hatch pattern.

4. Clean the floor with an automatic scrubber, wet vac, mop, or squeegee.

5. Wet the floor with a mop or hose. Grind the floor with PREP diamond discs - 3 passes. Make sure there is enough water for the floor to remain wet after completing each pass of the machine.
 - a. On each pass, overlap half a head and change directions making a cross-hatch pattern.
 - b. Average coverage is 12,500 sqft per set.*

6. Clean the floor with an automatic scrubber, wet vac, mop, or squeegee.

Note: If desired to grind/polish edges and corners, use the PREP diamond disc. This task can be completed by hand, with a drill, or right-angle grinder. No other grits are required for edges or corners.

7. Floor does not have to be dry prior to the next step.

8. Apply HardCore™ Densifying Treatment.

- a. Spray entire floor with a garden sprayer and work in with a push broom.
- b. Keep the floor wet for 20 minutes.
- c. Coverage is 200-500 sqft / gallon.
- d. Allow the floor to dry.

9. Polish the floor to desired appearance beginning with POLISH 1 diamond discs, increasing grit sequentially, 2-3 passes per grit.

• POLISH 1 = Matte



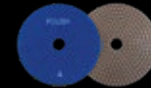
• POLISH 2 = Semi-gloss



• POLISH 3 = High-gloss



• POLISH 4 = Ultra High-gloss



- a. On each pass, overlap half a head and change directions making a cross-hatch pattern.
- b. Average coverage is 10,000 sqft per set.*
- c. Clean the floor with an automatic scrubber, wet vac, mop, or squeegee. The floor must be clean and dry prior to the next step.

10. Apply TopShield™ Floor Protector.

- a. Spray product in 3" wide straight lines and spread with a micro-fiber applicator.
- b. Coverage 2,000-3,500 sqft/gal
- c. Allow floor to dry at least 10-15 minutes.

Note: Make sure that you cannot leave a thumbprint on the floor prior to the next step.

11. Buff the floor with an RS-16™ or Sander 1600™ and PowerPolish HT™ pad.

12. Repeat steps 10 and 11.

* Coverage varies depending on number of passes, concrete hardness, porosity, etc.





1 Eclipse Road, Sparta, NC 28675

800.367.3550 +1.336.372.8080

americansanders.com

pioneereclipse.com