

HOW TO POLISH CONCRETE

What you will need

Square Scrub EBG-20/C	<input type="checkbox"/>	Foam Brushes (2)	<input type="checkbox"/>
Stone machine with six full-size weights		Pump-up Sprayer	<input type="checkbox"/>
Diamonds (brazed metal)	<input type="checkbox"/>	White polish pad (case)	<input type="checkbox"/>
30 grit (on sheet)		(pad is 1-inch thick)	
Diamonds (resin- broken in)		White driver pad (case)	<input type="checkbox"/>
30 grit (light green)(x4)	<input type="checkbox"/>	(pad is very thin, dense)	
50 grit (dark green)(x4)	<input type="checkbox"/>	Impenetro	<input type="checkbox"/>
100 grit (black)(x4)	<input type="checkbox"/>	Densifier	<input type="checkbox"/>
200 grit (brown)(x4)	<input type="checkbox"/>	Bucket on a Stick (BOS)(mop)	<input type="checkbox"/>
400 grit (yellow)(x4)	<input type="checkbox"/>	Extra Microfiber Heads	<input type="checkbox"/>
800 grit (white)(x4)	<input type="checkbox"/>	Minimum of two for BOS	
Diamond Pads (have red dots)		Clean towels	<input type="checkbox"/>
1500 grit	<input type="checkbox"/>	Wet-vac in good condition	<input type="checkbox"/>
3000 grit	<input type="checkbox"/>	w/hose, power cord and working adjustable squeegee attachment	
Masking tape	<input type="checkbox"/>		

It is very important to note the following prior to starting this project.

- This will take time to do correctly and get your desired results.
- You must thoroughly rinse the area before moving to the next grit or adding the chemicals. Avoid contamination as much as possible.
- Also rinse mopheads between uses to help avoid contamination.
- A good working wet-vac with an adjustable squeegee tool will make cleaning your surface between steps easier and quicker.
- Move slowly to allow the diamonds to do the work. Moving fast limits the effectiveness of each grit.
- It may be easier to work in grids of 4'x4' or 5'x5' for each grit. This will allow you to track the effectiveness of each grit while limiting the mess.

1. Assemble all needed materials at work site.

2. **IMPORTANT:** New diamonds (non-metal) must be “broken in” prior to using. Break in diamonds by running each set, starting with 30 grit, on the surface you intend to polish approximately 7-10 passes each. Once the shine on the diamonds has been removed, the diamonds are ready for use.

3. Carefully protect any surrounding surfaces that may be harmed by moisture (masking tape). This would include baseboards, carpet or any other surface that needs to avoid soaking.

4. Surface must be free of any topical coatings and should be dust mopped and wet cleaned as necessary. If any type of mop-on finish is on the surface you **MUST** use chemicals to strip the wax or the diamonds will not work.

5. Place a total of 6 full weights (remove two small weights, if equipped) on the Square Scrub base (fill solution tank with clean water) and fit a white driver pad to the base plate. Make certain pad is centered.

6. Place 4 Square Scrub 30-grit Brazed Metal diamonds on the driver pad.

7. Dispense a liberal amount of water on the floor and operate Square Scrub — making, very slowly, one pass up and one pass back over the area until a uniform, scratch free condition exists. Dispense additional water as needed to maintain a thin slurry consistency. Wet vac slurry, rinse and wet vac again. Continue this until residue is removed. It is important that the wet vac has a good working squeegee head. ALL liquid needs to be vacuumed and the surface clean of residue for the system to work properly.

8. Move to the adjacent area, only overlapping the previous area to blend.

9. When the entire area is complete, wet mop to remove any residue and wet vac.

10. Affix 50-grit Concrete Resin diamonds to a white driver pad following the same guidelines for the other diamonds. Follow steps 7-9, then follow the procedure with 100 and 200 grit Concrete Resin diamonds.

11. Once the 200 grit pass is completed, apply Densifier with a pump-up sprayer. Spread the Densifier around with a foam brush, then allow the liquid to soak in. Once the surface appears uniform and dry, repeat steps 7-9 for the 400 and 800 grit Concrete Resin diamonds.

12. After completion of your pass with the 800 grit diamond, apply Impenetro (or Diamond Coat) to the surface with your pump-up sprayer or a microfiber mop. Spread two light coats on evenly, allowing the first coat to dry before applying the second. After the second coat, allow two hours for the chemical to be absorbed and dry.

13. Fit a 1500 grit pad to the machine with red wear indicators down, in contact with the floor. Move the machine in North-South and East-West motions for 6-8 passes. Repeat this process on the adjacent, overlapping to blend. Dust mop as necessary. Repeat this process with the 3000 grit pad. (NOTE: This method for the 1500 and 3000 grit diamond pads are to be done dry only.)

14. Thoroughly rinse all diamonds and white driver pads with clean water. Clean debris off machine with a damp microfiber rag. Clean underneath and on top of the machine. The white driver pads can be washed, hung to dry and reused.