



BY GRATCH INTERNATIONAL

RevoGlas Glass Renovation Starter Kit

*The glassrenovation system includes: 3" and 5" RevoGlas backing disks,
3" and 5" RevoDisks in 2 different grinding ranges (4 x 5 disks), RevoGlas Finishing Spray concentrate,
5" RevoFelt polishing felt pad, polishing compound, spray bottles, rasp, dustmask and instruction manual.*

Instruction manual

Glass grinding, removal of light acid and scratches

1. Preparation: Mix the pouch of polishing compound in the spraybottle with 'Polishing Compound' label and with about 750 ml of water. Mix the finishing spray concentrate in the botte with 'Finishing Spray' label and fill it up with water. Use a polisher with M14 connection and maximum speed of 3000 RPM.
2. Start with the B# RevoDisk as small as possible for the size of the damage. This will make it easier to avoid distortion. Grind the entire area of damage evenly, always moving methodically over damaged area, untill scratches, damage or 'melted' look is gone. Always make sure your disk is completely flat while grinding the surface. This is imperative to achieving the highest quality, no distortion repair. This does take practice!
Monitor temperature with a temperature gun by pointing at it. Always try to keep your working area under 65° C (150° F). Getting the glass too hot, especially near the edge will break it. If the area gets too warm, move to another area of the glass or another window and let the area cool down. It's important to get the glass warm enough to grind it.
3. The grinder is best to be used at a speed of 800-1200 RPM. Make sure your work looks uniform in appearance while grinding. When removing large amounts of glass the RevoDisk will glaze over with glassdust. To remedy this, smack the disk with a wire brush, WHEN THE DISK IS NOT MOVING.
4. After grinding out the damage, go to the pre-polishing phase, using the PP# (grey) RevoDisk. We recommend using as big size as possible, to reduce possibility of distortion even more. Start in the center of the area and begin grinding/pre-polishing. With the PP# RevoDisk we actually want it to fill up with glass stock, the glass dust polishes the glass. You should be able to see a magnificent change while using the PP# (grey) RevoDisk. When the RevoDisk is covered with glass go over the edges, so there is no distinctive line. The edge of the area should look blended into the undamaged glass. There may be no hard edges. This step is the most important phase. If pre-polished well, the polishing step is easier.
5. After pre-polishing (phase 2) apply the RevoFelt polishing pad and spray it with the polishing compound which is solved in water in the spraybotlle. The grinder setting should be between 600 and 1500, depending on the type and thickness of the glass. On thin glass a lower speed setting is recommended to avoid breaking of the glass. It's also recommended to use more polishing spray on the disk than necessaryl. The process will take longer, without the risk of breaking the glass. Keep the polishing pad damp but not soak. A couple of light mists give you the moisture and polishing compound you need. Shake spray bottle before each misting. N.B.: A new polish pad will absorb less compound! Never polish with a dry pad, this will cause heat to build up fast, which can lead to broken glass.
6. It's often easier to outline the glass on the opposite side, during polishing you can see where the working area is. Always work in small areas and keep checking for swirls, scratches and distortion. If you see any swirls or scratches, it's faster too re-work this area with the RevoDisk than try too polish these out.
7. The process is finished by cleaning the area with an almost dry polishing pad on low speed, to remove the majority of residue that may still be present. Any remaining polishing compound can be easily cleaned up with the specially formulated RevoGlas Finishing Spray.