



MK Diamond Products, Inc.

MK Diamond's polishing pads are designed to achieve a monument quality finish on all straight or shaped surfaces. The unique design of the polishing pads allows for rapid and even removal rates with minimal effort. When used correctly, MK Diamond polishing pads provide a clear advantage over all other polishing methods.

Polishing Steps

- 1) Cut or shape material to the desired surface or profile.
- 2) Using a clamping device, secure material to be polished to a proper work surface.
- 3) Remember, polishing is a process which takes time and requires that each grit size be used properly to achieve a quality finish.
- 4) Using the 50, 150 or 300 course grit pad remove all rough scratches and cut marks. Smooth the surface as much as possible with these specific grit pads. The smoothing of the surface during this stage of polishing will determine the quality of the finish that will be achieved. After working the area, dry the surface to determine if all large scratches have been removed. Using a lumber crayon, rub the surface to determine the depth of the scratches remaining.
- 5) Once all large scratches have been sufficiently removed the finer grit pads can be used to achieve the quality finish. The fine grit pads consist of 500, 1,000, 2,000 and 3,000. If more luster/color from the polished surface is desired, use the buffing pads.
- 6) After completing the polishing process, the following steps must be followed if a mirror finish is desired:
 - Make a paste of cerium oxide or tin oxide using water.
 - Apply paste to a felt wheel.
 - Run felt wheel with slight pressure against the surface to generate heat.
 - After paste dries, polishing is complete.
 - Wash surface with water and dry.
- 7) The surface should have a high luster or finish. If small scratches remain repeat step 5.

Important Points in the Polishing Process:

- MK Diamond polishing pads are designed to be used solely with water to minimize the wear on the pads and prevent hazardous dust. (The water cools the polishing pad material, flushing away grindings and eliminate hazardous dust.)
- **Never** skip grit sizes during the polishing process. Skipping grit sizes will result in an unsatisfactory finish to the stone.
- Diamond polishing pads wear out prematurely due to over working of the material or by not using a sufficient amount of water.
- Failure to spend adequate time polishing with each grit size pad will result in an unsatisfactory finish.
- Selection of the Velcro rubber backer pad for shaping and curved work is highly recommended. Use rigid backer pad for straight edge and flat face material.