

Instructions for using Eastwind Diamond Abrasive Belts

All belts must be used with water. A flood of water is better than a mist. The water acts as a coolant and flush to carry away particles that get sanded away. Remember they are “SANDING BELTS” not “GRINDING BELTS”. If you use our belts on deep scratches you will get pre-mature wear.

The proper speed to run our belts at is 3000-5000 sfpm for optimum performance. Our belts can be run at a lower speed, however we do not recommend. Be sure to use the entire surface of the belt as it will be more economical.

Generally it is best to start out using a 60 mesh belt to remove all grinding marks. You can tell if all scratches are out by using a marker. Take a marker and run it against the full face of your work piece and sand again with the 60 mesh and if the entire marker is gone then you have sanded properly. This technique can be used with all diamond sizes until you get used to looking at the surface and reading the reflection.

The next belt to use is the 120 or 220 meshes this depends on the size and hardness of the work piece. The larger the work piece I suggest using a 120 mesh, otherwise you can use the 220 mesh. Next are our 325 or 400 meshes, which as stated above depend on the size and hardness of the work piece. (Example: If working on sapphire it will take more steps then if you are working on glass). Continue by using our 600 or 800 meshes to get out the scratches which are then followed by our 1200 mesh. Our 1200 mesh can be used along with our 6 micron then 3 micron. If the work piece is hard continue with 1 micron, .5 micron and then .25 micron.

On the finer sized belts 1, .5 & .25 microns they will need to be dressed before using to remove agglomeration. Instructions and video can be found on our website at www.eastwinddiamondabrasives.com

Cerium Oxide Belts & Disks

Eastwind offers a wide range of cerium belts and disks. The unique formulation allows the cerium to adhere to the substrate in a long lasting formula. We use only the purest cerium oxide called Opaline that ranges from 1 - .5 micron. This provides a superior polish to most lapidary and industrial applications. Cerium oxide must be used wet. The best coolant is water. A flood of water is better than a mist as this will prevent the belt or disk from burning and damaging your work piece. Cerium oxide works better at a slower speed. If you can slow down your machine, it is best to use between 1000 – 2000 sfpm. If the polishing action slows down which may happen you can dress the belt or disk with a dressing stick. Instructions and video can be found on our website at www.eastwinddiamondabrasives.com