

## **PVA MAKITA STYLE "MS"**

### **DRY MARBLE EDGE POLISHING WHEELS**



- Pg 1 - How to Use
- Pg 2 - Common Questions
- Pg 3 - Helpful Hints

PVA "MS" ( Makita Style) is Alpha's **high speed Dry Marble Polishing series**. It is designed for use on high RPM ( 12,000 or less) grinders such as the Makita, Ryobi and Black & Decker. **PVA comes in 5 grits**. These grits are 40, 80, 220, 400 and 600, and are called **extra-coarse, coarse, medium, fine and extra-fine**. *PVA is used for dry polishing on edges, curves and irregular shapes of marble.*

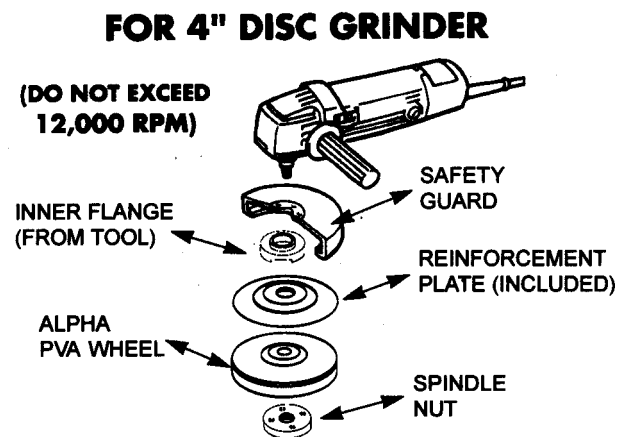
These wheels will replace hundreds of sanding discs and sandpaper. They are particularly good for contour work, shaped edges and routed details. PVA wheels are great for sink rims and other difficult to work irregular surfaces, as well as shining up the exposed edges of marble floor tiles. The flexibility of the PVA will help to prevent damage such as scratching and scuffing of expensive marble.

**PVA is not recommended for use on flat areas;** swirl marks due to the rigidity of the abrasives will yield poor results on flat marble. Also, PVA cannot be used on granite-only marble.

Intended for final blending and polishing, they do not replace sanding belts or grinding wheels. The best results and longest life are achieved if you do not press hard-just touch lightly. Too much pressure will serve no purpose and the wheel will heat up and wear out too fast.

## **HOW TO USE**

1. Cut workpiece to size.
2. Clamp workpiece securely to prevent vibration.
3. Shape edges to desired pattern with ALPHA PVA EXTRA COARSE ( White), or Alpha Dry Diamond Grinding Wheels, or Alpha Profile Wheels.
4. Take time to carefully prepare the workpiece as much as possible. PVA Finer Grit Wheels will not work properly over gouges, scratches and rough areas.
5. Starting with PVA Coarse (Red) lightly run the wheel over the marble. Do not push down, and don't use water.
6. Continue polishing with Medium (Blue), Fine (Green), and finally Extra-Fine (Yellow).



 **Alpha Professional Tools**

**PVAMSK - Document # 105**  
**Last revision: June 1995**

## **COMMON QUESTIONS**

### **Can I polish granite using PVA?**

No. PVA is designed to polish soft material such as marble, travertine and onyx. Granite is a dense material and will wear the PVA by causing the wheels to heat up and melt away. For Granite polishing use Alpha's wet polishing system.

### **Can I use water while polishing with PVA ?**

No. PVA is designed for DRY polishing only and if you get it wet, it will melt and become dangerous to use.

### **How do I mount PVA "MS" onto the grinder ?**

PVA "MS" series has an 5/8" arbor hole that is placed through the tool's spindle and rests on the bottom of the shaft equipped with the tool's adapter flange and should be secured by the lock nut that is supplied by the manufacturer of the tool. (see illustration on page 1).

### **What is the purpose of the metal plate provided with the "MS" series PVA?**

The metal reinforcing plate provided along with all "MS" PVA is for providing support. This plate helps to prevent the wheel from bending.

### **What are the grit numbers of the PVA and which order do I use them?**

The grit and color sequence is as follows: White (40), Red (80), Blue (220), Green (400) and Yellow (600).

### **Can I skip grits?**

No, PVA is designed to be used in sequence. Skipping certain grits will make the time process longer and the life of your abrasives short due to unnecessary usage. Also, the job you do will not be as good.

### **Should I use a buffing compound or wax to finish up ?**

No, one of the really nice advantages of PVA is the beautiful finish it gives without using any wax.

**I am using a assortment kit and the white wheel wore out before the others, can I purchase PVA in single pieces?** PVA "MS" is sold ten pieces per box. Some dealers will sell you 1 pc, however you may be better off purchasing 1 box of each color or grit. Especially if you plan on using the PVA wheels often.

### **Can PVA be used on metal?**

Yes, PVA works very well on many different type of metal especially stainless steel. As a matter of fact, PVA was initially designed for the metal industry.

### **What is in the little bag that is packed with each wheel?**

It is drying compound that prevents the PVA wheels from absorbing moisture.

## HELPFUL HINTS

PVA should be used to polish in one direction making sure the you remove all prior scratches before moving on to next grit.

Shape the stone to the desired pattern using a profile wheel or a diamond grinding wheel. On very soft marble you may use the extra-coarse (white) grit to help shape and blend.

Use just a light touch and let the wheel glide along the stone. Pressing too hard will cause the PVA to heat up.

PVA is a special cushioned material which prevents bouncing, if bouncing occurs, check to make sure that the wheel is properly attached to the spindle. (refer to chart on page one)

Polishing to a high degree is accomplished very quickly. Always use the wheel at a slight angle (15 degrees) never flat.

New contractors will quickly learn to use PVA and will be surprised at how simple the product is to use.

\*Try Alpha "CERAMICA" Diamond Discs for Granite or Porcelain

**ALWAYS WEAR EYE PROTECTION AND PROPER PERSONAL SAFETY EQUIPMENT WHEN USING THIS PRODUCT.**