

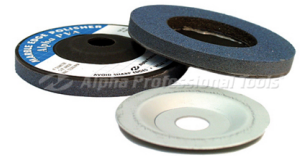
Technical Notes

PVA Makita Style

Alpha® PVA Makita® Style is a dry polishing system used to polish marble edges and is ideal for baseboard, corner and countertop edge applications. It is also excellent for job site touch-ups. Fast working and long lasting, Alpha® PVA Makita® Style is easy to use and works well on most common high-speed grinders. It can be used for other applications such as the edges of ceramics, woods and metals. It can also be used for paint removal, as the material will not clog. Marble shops will find Alpha® PVA Makita® Style very effective on contours, edges and irregular surfaces such as chamfers, bead molding, and other types of curved or rounded edges. Tile and floor installers will find that Alpha® PVA Makita® Style works great on the profiled edge of baseboard tiles. All users will find this product is ideal for use in conjunction with the Marble Profile Wheel. Alpha® PVA Makita® Style is formulated with a silicon carbide abrasive and a polyvinyl alcohol bond that is color-coded for ease of operation. The combination of this bond and abrasive give Alpha® PVA Makita® Style a long life at an affordable price. The PVA system provides a great polish on marble edges without the difficulty or mess associated with wet polishing techniques.

Sections:

- How to Use
- Frequently Asked Questions (FAQs)
- Helpful Hints
- Reference



Part No.	Size	Maximum RPM	Arbor	Finish	Grit	Qty
PVAMSW	4"	12,000	5/8"	Extra Coarse	40	10
PVAMSR	4"	12,000	5/8"	Coarse	80	10
PVAMSB	4"	12,000	5/8"	Medium	220	10
PVAMSG	4"	12,000	5/8"	Fine	400	10
PVAMSY	4"	12,000	5/8"	Extra Fine	600	10
PVAMSK	4"	12,000	5/8"	Assortment	All	10
SPVAMSW	4"	12,000	5/8"	Extra Coarse	40	1
SPVAMSR	4"	12,000	5/8"	Coarse	80	1
SPVAMSB	4"	12,000	5/8"	Medium	220	1
SPVAMSG	4"	12,000	5/8"	Fine	400	1
SPVAMSY	4"	12,000	5/8"	Extra Fine	600	1

How to Use

1. Mount the PVA Makita Style onto your choice of high-speed grinder.
2. Cut work piece to size.
3. Clamp work piece securely to prevent vibration.
4. Shape edges to desired pattern with Alpha® PVA Extra Coarse (White), or other Alpha® products such as: Alpha® Profilers, Alpha® Profile Wheels or Alpha® Dry Grinding Wheels.
5. Take time to carefully prepare the work piece as much as possible. Alpha® PVA Finer Grit Wheels will not work properly over gouges, scratches and rough areas.
6. Starting with PVA Coarse (Red) lightly run the wheel over the marble. Do not push down, and don't use water.
7. Continue polishing with Medium (Blue), Fine (Green), and finally Extra-Fine (Yellow).

Refer to the power tools owner's manual for proper attachment of accessories.

Frequently Asked Questions (FAQs)

Can I use water while polishing with PVA?

No. PVA is designed for DRY polishing only. If you get the PVA wet, it will act like a sponge and expand. PVA will be dangerous to use in this condition and may possibly disintegrate.

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 away the PVA by causing the wheels to heat up and melt away. For Granite polishing, we recommend using Alpha® Ceramica or Ceramica EX which are wet polishing systems.

How do I mount the PVA Makita Style onto the grinder?

PVA Makita Style (MS) series has an 5/8" arbor hole that is placed through the tool's spindle. (A Reinforcement Plate must be placed on tool prior to the PVA). The PVA and reinforcement plate will rest on the tool's adapter flange and should be secured by the lock nut that is supplied by the manufacturer of the tool.

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, as each higher grit disc removes the scratches left by previous grits. Skipping certain grits will make the time process longer and the life of your abrasives shorter. Also, the final polishing results on the material may not be satisfactory.

What is the maximum rpm at which these PVA Makita Style wheels can be used?

The maximum rpm is 12,000.

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

No. One of the advantages of PVA is the beautiful finish it gives without using any wax.

I am using a PVA assortment kit and the white wheel wore out before the others, can I purchase an individual piece of White PVA?

Yes. Alpha® offers PVA for individual sales, we call these "Single Packs". You can also purchase PVA MS in boxes of ten for each particular grit. (Please refer to the chart)

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.

Can I use PVA on glass?

Yes. After you cut or score the glass to size, we recommend using the PVA Red and PVA Blue to ease the edge of the glass.

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

It is drying compound of silica gel desiccant that prevents the PVA wheels from absorbing moisture.

Helpful Hints

- PVA should be used to polish in one direction making sure you remove all prior scratches before moving on to next grit.
- Shape the stone to the desired pattern using the Alpha® Profilers, Profile Wheels or Dry Grinding Wheels. On very soft marble you may use the PVA Extra Coarse (white) grit to help shape and blend.
- PVA is a special cushioned material which prevents bouncing. If bouncing occurs, check to make sure that the backer pad is properly attached to the spindle and the PVA MS wheel is properly locked.
- Polishing to a high degree is accomplished very quickly. Always use the wheel at a slight angle (15 degrees) never flat.
- The product is simple to use; however, new users should practice on scrap materials to develop the skill.
- Try Alpha® Ceramica and Ceramica EX Diamond Discs for wet polishing of Marble, Granite, Porcelain and Engineered Stone. Alpha® Sandpaper can also polish Marble for wet/dry polishing applications.
- Always wear eye protection and proper personal safety equipment when using this product.
- Use just a light touch and let the wheel glide along the stone. Pressing too hard will cause the PVA to heat up.

Reference

For more product information, visit us on the web at www.alpha-tools.com.