

## Technical Notes

### Ceramica Vitrified

Alpha® Ceramica Vitrified discs have been a staple of the Alpha® Ceramica line for many years. These discs are specifically designed to handle the hard job of removing saw marks and grinding marks in order to prepare the stone for polishing. Alpha® Ceramica Vitrified discs are ideal for the bullnosed or profiled edge, but also work very well on all curved edges. Fabricators love the aggressiveness, ease of use and long life. Tile contractors obtain excellent results on a consistent basis. Monumentalists find Alpha® Ceramica Vitrified very easy to use. The vitrified bond is a compressed diamond impregnated pellet surrounded by plastic. This gives the disc a unique aggressiveness that is needed to remove difficult grinding marks. Only Alpha Professional Tools® offers this advanced style disc. Available in 60, 150 and 300 grits, Alpha® Ceramica Vitrified discs are aggressive and long lasting. This assures a professional start in the polishing process. The long life and consistent performance make Alpha® Ceramica Vitrified discs a cost-effective investment.

#### Sections:

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



Part No.	Size	Grit	Color
GP30060V	3"	60	Blue
GP30150V	3"	150	Yellow
GP30300V	3"	300	Orange
GP40060V	4"	60	Blue
GP40150V	4"	150	Yellow
GP40300V	4"	300	Orange
GP50060V	5"	60	Blue
GP50150V	5"	150	Yellow
GP50300V	5"	300	Orange

### How to Use

Shape the edge of the stone using an Alpha® Profiler, Alpha® Grinding/Shaping Wheel, or Alpha® Router Bit.

Use the Ceramica Vitrified grits 60V, 150V or 300V making sure to eliminate all scratches or saw cut marks before moving onto the next polishing grit in the sequence.

Use the Alpha® Ceramica EX or Ceramica Resin discs, depending on the material you are polishing, to complete the polishing process.

### Frequently Asked Questions (FAQs)

#### What materials can I use the Alpha® Ceramica Vitrified on?

Alpha® Ceramica Vitrified is designed for all natural stones such as granite, marble and porcelain.

#### What sizes are Ceramica Vitrified offered in?

Alpha® Ceramica Vitrified discs are available in 3", 4" and 5".

#### Why is the hook & loop colored?

Alpha® provides colored hook & loop material to help identify the grit of the disc. The Color ID is as follows: Ceramica Vitrified Blue = 60 grit, Yellow = 150 grit and Orange = 300 grit.

#### What is the RPM range at which I should use Alpha® Ceramica Vitrified?

Ceramica Vitrified should not exceed 4,000 RPM.

**What tools should Ceramica Vitrified discs be used on?**

Alpha® recommends central water-feed polishers such as the Alpha® AIR-658, AWP-158 and VSP-120.

**What makes these Vitrified discs so aggressive?**

The unique design of the Vitrified disc, which has a compressed diamond impregnated pellet.

**Can I use this Vitrified discs for tight curved areas such as internal corners or ogees?**

Alpha® recommends for tight areas the use of Ceramica Metal discs which have greater flexibility compared to the Vitrified discs.

**What are the differences between Vitrified and Metal 150 and 300 grits?**

Vitrified discs are the most aggressive discs among the four types of bonds available in the Ceramica Family (Vitrified, Metal, Resin and Buff). They are most suited for convex surfaces such as a bullnose edge. Ceramica Metal offers a combination of extra flexibility of resin bond and long life of metal bond. Ceramica Metal is suitable for concave and convex such as ogee edges and internal corners.

**Can I use Ceramica Vitrified Dry?**

No. Alpha® Ceramica Vitrified discs are designed for wet applications only. Ceramica Vitrified discs performs best with wet polishers with central water-feed systems.

**Can I use Ceramica Vitrified 300 grit after the Alpha® Metal 150 grit?**

Yes. You can mix bond types as long as you follow the grit sequence.

Example:

Ceramica Metal 60 followed by Ceramica Vitrified 150

Ceramica Metal 150 followed by Ceramica Vitrified 300

**Can I use Alpha® Ceramica Vitrified for concrete polishing for breaking the surface of cured concrete?**

Yes. Ceramica Vitrified can be used on concrete countertops and for breaking the surface when cured concrete needs to be smoothed. Please note due to the abrasive nature of concrete, life of the disc may be short.

**Which type of backer pad should I use with Ceramica Vitrified?**

If you are working on a contoured surface, we recommend using our Flexible Backer pads. If you are working on a flat edge or surface, we recommend using our Rigid Backer pads.

## Helpful Hints

- Ceramica Vitrified discs are WET USE ONLY!
- Avoid sharp corners of the stone to prevent damage to the disc.
- Very little pressure is needed when using Ceramica Vitrified, the high quality diamond grits will do the job for you.
- 60 grit is recommended for use after a router bit application.
- We suggest that you practice on scrap pieces in order to hone your skills.

## Reference

For more product information, visit us on the web at [www.alpha-tools.com](http://www.alpha-tools.com).