

Technical Notes

Ceramica Dry

Alpha® has expanded its line of polishing pads to now include a dry version of the superior Ceramica Resin. These new pads utilize a new process to make the diamond layer thicker, thus creating better quality results and a longer life than typical dry resin pads. Ceramica Dry is perfect for all natural stones and cement-based composites such as concrete and terrazzo. They are hook and loop backed and utilize Alpha® Backer Pads. They are available in 4" and 5" sizes and have grits of 60, 200, 500, 1000, 2000, and 3000. The grit sequence is specifically formulated to provide the best possible finish.

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Part No.	Size	Maximum RPM	Type	Grit	Color
CD40060R	4"	4,500	Hook & Loop	60	Blue
CD40200R	4"	4,500	Hook & Loop	200	Yellow
CD40500R	4"	4,500	Hook & Loop	500	Red
CD41000R	4"	4,500	Hook & Loop	1000	Dark Green
CD42000R	4"	4,500	Hook & Loop	2000	Light Green
CD43000R	4"	4,500	Hook & Loop	3000	Brown
CD40KIT	4"	4,500	Hook & Loop	1 each	Assortment
CD50060R	5"	4,500	Hook & Loop	60	Blue
CD50200R	5"	4,500	Hook & Loop	200	Yellow
CD50500R	5"	4,500	Hook & Loop	500	Red
CD51000R	5"	4,500	Hook & Loop	1000	Dark Green
CD52000R	5"	4,500	Hook & Loop	2000	Light Green
CD53000R	5"	4,500	Hook & Loop	3000	Brown

How to Use

1. Create the desired shape on the stone edge by using an Alpha® Profiler, Alpha® Grinding/Shaping Wheel or Alpha® Router Bit.
2. Start the polishing process by using the Alpha® Ceramica Dry 60 Grit to remove all scratches or saw cut marks.
3. After each step, you should inspect the area to look for scratches and imperfections. Make sure the area is smooth and there are no grinding marks or saw cut marks left over from the previous grit.
4. Repeat the same process using all 6 pads to complete the polishing process. Do not skip any grit.

Safety Warning: Always wear eye protection and proper personal safety equipment when using this product.

Frequently Asked Questions (FAQs)

What materials can I use Ceramica Dry on?

Ceramica Dry is designed for all natural stone and cement-base composites such as concrete and terrazzo. We do not recommend for engineered stones/quartz surfaces due the potential burning of the resin parts of surface.

Can I use Ceramica Dry on an angle grinder?

Alpha® Ceramica Dry is designed to be used on low RPM machines such as sanders and polishers. Ordinary angle grinders are much too fast to safely utilize the hook and loop system. Do not try to run on high-speed machines that run above 4,500 RPM. If your angle grinder is variable speed, you may use this grinder; however, please review the grinders' owners manual to find the correct rpm setting on the dial indicator for use with the Alpha® Ceramica Dry.

Can I use Ceramica Dry as a wet polishing application?

Yes. Ceramica Dry can be used with water to create a nice finish on all stones including engineered stones/quartz surfaces in this case. However, some grits may wear pre-maturely since water increases the disintegration of the bonding system, so we do not recommend them using as a wet polishing tools.

How long does Ceramica Dry last?

Due to the many variables in materials, it is very hard to say exactly how long a Ceramica Dry disc will last. However, proper usage will give you the maximum life.

What sizes are Ceramica Dry discs available in?

Ceramica Dry is currently only available in 4" diameter as it is the most common size of discs and can be adapted for many applications by using smaller-sized backer pads.

My 60 grit seems to wear faster than I expect it to. What can I do?

Ceramica Dry 60 grit can remove the deep profiling or grinding scratches and saw cut marks, but due to the nature of bonding system and dry application, it is not a fair life comparison against similar resin pads designed for wet applications which receive a large benefit from the water cooling the cut edges.

How many passes do you have to make?

It is important to make sure all prior scratches are removed before moving onto the following grit. An average of 2 to 3 passes is all you need. Moving two passes across and one pass up and down is a good technique and will usually provide an adequate amount of polishing time. Never rush through the grits! You will only risk having to do your work piece over again.

What RPM speed is the best, I've been told many answers?

Alpha® Ceramica Dry is design to operate at 4,500 rpm or slower. However, Ceramica Dry works best around 4,000 RPM.

Sometimes I notice slight burn marks on the edge. How can I prevent these marks so I don't have to repeat the process?

First, make sure you only apply ample pressure during your polishing process. Excess pressure will generate heat-build up then eventually burn the surface of stone. Second, try increasing the RPM of the polisher to highest level if your polisher is variable speed model. Using a higher RPM will generate more air cooling capacity to reduce heat at the cutting edge during the polishing process.

Can these discs be used on my floor polishing machine?

Although the Ceramica Dry and floor discs may look similar, they differ greatly. Ceramica Dry discs are designed only for edge polishing applications. Do not try to use these discs on a floor polishing machine.

Can these discs be used on the single head edge polishing machine?

No. Ceramica Dry cannot be used on any type of edge polishing machine.

Can these discs be used on scratch removal and seamless countertop installation?

No. We do not recommend Ceramica Dry for top polishing. Ceramica Dry is designed for edge treatment and is not suitable for top polishing.

Ceramica Dry may polish the flat surface and create a nice polish, but the surface may become wavy due to the hook and loop system.

What are the different Backer Pads used for?

Alpha® Flexible Backer Pads are rubber and used for curves and Bullnose edges. Alpha® Rigid Backer Pads are for flat areas and straight edges.

Do we really need to use all of the discs? 60 – 3000 grits? Somebody told me you only need three grits to polish.

Yes. Using anything less than the full system will not ensure the high quality polishing finish. Skipping grits or not spending enough time on each grit does not work and always yields unsatisfactory results. Alpha® Ceramica Dry is a complete modern and effective system, which can prove its value under the toughest of work conditions and the most demanding inspections.

Helpful Hints

- Ceramica Dry is recommended for Dry USE ONLY!
- Avoid Sharp Corners of the stone to prevent damage to the disc.
- Very little pressure is needed as the high quality diamond grits will do the job for you.
- For tight areas such as corners, we recommend using an undersized backer pad to give the Ceramica Dry discs more flexibility.

Reference

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