

## Technical Notes

### Contour for Marble

The Alpha® Contour Blade for Marble is designed specifically for cutting marble and limestone sinkholes and other curve cutting applications. The special design incorporates an electroplated diamond on the both sides of the steel core, as well as on the peripheral cutting edge. This allows the blade to cut a curved area cleanly, accurately and safely while allowing a wider kerf, thus giving the blade easier cutting ability. Due to the excellent cutting ability, there is a noticeable increase in maneuverability over other standard blades. The Alpha® Contour Blade for Marble can be used either wet or dry. It is versatile and fits on the AWS-125 Wet Stone Cutter that allows plunge cutting with ultimate control. The Alpha® Contour Blade for Marble is unique and very cost-effective. The capabilities and long life of the Alpha® Contour Blade for Marble makes it the best choice for any curve cutting application for marble and limestone.

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Part No.	Size	Maximum RPM	Arbor
CCM005	5"	12,200	7/8"

### How to Use

Attach the Alpha® Contour for Marble blade onto your Alpha® AWS-125 Wet Stone Cutter. Use the third flange provided with the Alpha® AWS-125 Wet Stone Cutter when mounting the Alpha® Contour for Marble onto this stone cutter to insure adequate clearance. (The Alpha® Contour for Marble blade can also be mounted onto high-speed angle grinders).

Alpha® recommends the step-cutting process; a total of three passes should be used to cut 3cm (1-1/4") thickness material. On the first pass you need to score the material 1/8" from the drawn template hole making sure you are scoring inside the template hole. On the second pass you should cut half-way through the material, and, on the third pass the blade should be cutting completely through the material.

Due to the manual operation, we recommend cutting 1/8" inside of mark of sink template to ensure good results.

Always refer to the operation manual of the power tool for correct mounting procedures.

### Frequently Asked Questions (FAQs)

#### What materials can be cut using the Alpha® Contour for Marble?

This blade is designed for cutting all types of marble and limestone.

#### The Alpha® Contour for Marble is a dry cutting blade, can I use this blade for wet application?

Yes. Alpha® highly recommends using this blade for wet cutting together with our AWS-125 Wet Stone Cutter. Wet cutting will generally increase blade life and will keep harmful dust (Silica), out of the air.

#### The Alpha® Contour for Marble is available in what sizes?

This blade is available in 5" diameter only.

#### Can I use the Alpha® Contour for Marble for cutting granite or porcelain slab material?

No. The Alpha® Contour for Marble blade utilizes electroplated diamonds which are designed to cut only soft material. If you use this blade to cut hard materials such as granite or porcelain slab material, the electroplated diamonds will round-over/dull and the blades cutting ability will be lost almost immediately.

**What is the arbor size if this blade?**

The arbor size is 7/8".

**What is the maximum RPM these blades should be used at?**

The maximum RPM for this 5" blade is 12,200. This blade should not be used at RPM lower than 9,000.

**What is the purpose of having electroplated side protection on both sides of the blade?**

These segments assist the blades cutting ability to cut curved areas cleanly as well as grind away material to make a wider kerf, allowing the blade to make tighter radiuses. They also prevent undercutting.

**Can I plunge-cut using this blade attached onto the Alpha® AWS-125 Wet Stone Cutter?**

Yes. When the Contour for Marble blade is mounted on the Alpha® AWS-125 Wet Stone Cutter, you can plunge cut with excellent control, since you can place the base of the stone cutter on the material to give you better stability.

**Helpful Hints**

- Use of water will prolong the life of your dry cutting blade as well as keep harmful dust (Silica) out of the air.
- Before you start using this product, we recommend practicing on scrap material to learn the necessary techniques required for the curve cutting application. This practice will make your cutting safer and enable successful results.
- Use the side handle attachment on the Alpha® AWS-125 Wet Stone Cutter for better stability when using this tool for curve cutting applications.
- Due to the manual operation, we recommend cutting 1/8" inside of mark to ensure good results.
- We recommend the step cutting method to prolong the life of the diamond blade.
- When you attempt tight corners, you must take the time to grind a wider kerf to make enough clearance for the blade.
- We recommend using the Alpha® Profiler Z-Series after you cut a sink hole using the Alpha® AWS-125 Stone Cutter. The curve cutting application leaves a curved cut surface from the design of the contour blade. The Profilers Z will clean up this leftover material to create a perfect 90 degree surface.
- To avoid dropping the cut-out on your feet, always secure the projected cut-out area before starting cutting operation.
- Use flanges and adapters which are specifically made for your power tool.
- Do not use Alpha® Contour blades on high-speed angle grinders without the safety guard installed.
- Always wear personal safety equipment when using Alpha® Contour for Marble.

**Reference**

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