![Alpha Professional Tools logo]

Technical Notes

Vetro for Portable Rail Saw

Alpha® has expanded our most popular line of Vetro blades to now utilize a portable rail saw. Introducing the WG1001, a 10" diameter blade with 1" arbor size to fit on portable rail saws designed specifically to cut large glass tiles with ease. The Alpha® Vetro is an excellent choice for plunge cutting, trimming near the edges of glass and for cutting internal corners. Since the quality of the cut is high, it provides a straight, true cut with minimal chipping. Waste is kept to a minimum which creates a cutting solution that is quite cost-effective.Reap the benefits of the best tile blade on the market today! Use the Alpha® Vetro blade for cutting glass tiles with a portable rail saw and see that Alpha® Vetro is clearly the best choice!

Part No.	Size	Maximum RPM	Arbor
WG1001	10"	5,900	1", 5/8"

How to Use

Attach the Alpha® Vetro blade to your portable rail saw making sure that the directional arrows on the blade match the spindle rotation of your power tool. Adjust the depth of your cut; generally if the blade is 1/8" below the material you are cutting, this is sufficient. Make sure your power tool has ample supply of water for cooling the blade during application. Turn on power and slowly pull the blade into the material maintaining a consistent slow traverse speed until you cut through the entire piece of material. A slow consistent pulling motion will allow the diamonds within the blade's cutting edge to cut the material easily and minimize chipping on the edge.

Frequently Asked Questions (FAQs)

Which way do I install the Alpha® Vetro on my tool?

The blade direction is printed on the front of the blade. Install the blade so that the blade will follow this direction. If the front of the blade is no longer legible, a directional arrow is embossed into the back of the blade. As a last resort, examine the diamonds. The bond tail behind each diamond should be pointing the opposite direction of blade rotation. If the blade is installed incorrectly, the bond tails will reverse direction, which may cause some premature wear

What materials can I cut with the Alpha® Vetro blade?

The Alpha® Vetro blade is primarily designed for glass cutting application.

Can the Alpha® Vetro blade cut Safety Glass (Laminated Glass)?

Yes. Alpha® Vetro blades cut safety glass (laminated glass). There are many different types and thicknesses but you can cut all if used with water. This could be a typical application for shower door installers who need to trim a little bit at the job site.

Can the Alpha® Vetro blade cut tempered glass?

No. Tempered glass will shatter as soon as the blade cuts the material and we do not recommend cutting.

Can I cut Onyx using the Alpha® Vetro blade?

Yes. This blade is also highly recommended for cutting Onyx since the fine diamonds within the blade's matrix will minimize the amount of chipping.

Can I use this blade for dry application?

No. Wet cutting diamond blades must be used with water to prevent excessive heat build up during cutting. Using water on the blade also reduces dust and helps enhance the cutting performance and life. A continuous water flow is critical. Using "wet" blades without water even for a few seconds will cause excessive heat and blade damage.

The speed of my cut is slowing down. What can I do to improve it?

The diamonds are rounding over or glazing causing the blade to loose its cutting ability. You need to re-dress the blade using a soft abrasive material such as a dressing stone or a concrete block.

What is the maximum RPM at which I can run the Alpha® Vetro for Portable Rail Saw blade?

See chart on Page 1.

What is the arbor size of the Alpha® Vetro blade for Portable Rail Saws?

See chart on Page 1.

Helpful Hints

- Do not force the blade to cut; allow the diamonds time to cut through the material. Slower cutting helps eliminate chipping on the cut edge.

- Wet cutting is required.

- Use Alpha® PVA (Red & Blue) to ease and polish the edge of glass tiles.

- Use the Alpha® Corner Nippers and Alpha® Corner Rulers for other glass applications.

- Take appropriate steps to assure personal safety when performing any cutting application.

- Review operations manual of the power tool to assure proper usage.

Reference

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