**The Ultimate Guide to Maximising the Life of Your New EVOMAX Cermet Carbide Blades**

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**Pro Tips for Unmatched Performance**

Welcome to the next evolution in cutting technology: our EVOMAX Cermet Carbide Blades. Whether you're a seasoned professional or a serious DIYer, these blades represent a leap forward in cutting efficiency, precision, and - most importantly - longevity. In this guide, we'll explore what makes EVOMAX Cermet Carbide Blades unique, why they outperform traditional options, and how you can get the absolute best lifespan and value from your new investment.

**The Technology Behind EVOMAX Cermet Carbide Blades**

The heart of the EVOMAX difference lies in its advanced cermet (ceramic-metal composite) technology. But what exactly does that mean, and how does it translate to better performance for you?

**What is Cermet?**

Cermet is a composite material composed of ceramic (cer) and metallic (met) components. By blending these two materials, we achieve the best of both worlds: the hardness and heat-resistance of ceramics, combined with the toughness and resilience of metals. The result is a cutting edge that remains sharp for longer, resists wear and handles heat far more effectively than conventional steel or carbide blades.

**Why EVOMAX Cermet Carbide Blades are a Game Changer**

Our EVOMAX Cermet Carbide Blades combine cutting-edge tech with real-world performance. Here's why they're a game-changer for your workshop:

Longer Blade Life – Up to 3,500 cuts per blade

Thanks to the extreme wear resistance of cermet tips, EVOMAX delivers extended performance – especially in demanding applications like cutting thicker gauge mild steel and some stainless steels.

Independent testing confirmed that this blade can deliver over 3500 cuts per blade through 4" x 1/8" mild steel round tube and 4" x 1/4" mild steel plate.

Cooler, Cleaner Cuts

Cermet stays cooler under pressure and the sharper edge reduces burrs and ragged finishes giving a weld ready finish - minimising the need for secondary operations.

Quieter Operation

The blade's advanced design and precision-tensioned steel body and laser-cut slots result in reduced noise and vibration, giving you a smoother cutting experience.

Reduced Downtime

With fewer blade changes needed, EVOMAX keeps you cutting longer, saving time on site or in the workshop.

Lower Total Cost

While cermet blades are a premium product with a higher price tag, their longevity and performance mean you'll buy (and dispose of) far fewer blades over time.

Versatility

EVOMAX blades offer outstanding performance on a variety of materials, including mild steel, aluminium, copper and even some hardened alloys.

Pro Tips: Getting the Most Out of Your EVOMAX Cermet Carbide Blade

To truly maximise the life and performance of your EVOMAX blade, it's important to follow a few best practices. Even the finest blade will wear prematurely if misused. Here's how to keep your cermet edge at its sharpest, cut after cut.

**1. Let the Blade Do the Work**

Allow the blade to reach full speed then slowly make contact with the workpiece to start the cut. Apply firm, controlled feed pressure.

When cutting at an optimum rate there will be little to no sparks. If a high amount of sparks are produced when cutting, then the feed rate is likely too slow.

Top Tip: Excessive force increases heat, damages the tips, and reduces blade life.

**2. Avoid Overheating**

Allow the blade to cool between long cuts. If your application allows, pause after heavy use to extend blade life.

For especially demanding jobs, consider using a coolant or lubricant compatible with cermet blades, unless dry cutting is specified

Top Tip: Excess heat is the enemy of blade longevity. Avoid long continuous cuts without pause, especially in thicker materials. Allow the blade to cool between cuts when possible.

**3. Secure the Workpiece**

A moving or vibrating workpiece can cause the blade to deflect, increasing wear and risking tooth damage. Always clamp your material securely and in the optimum orientation.

**4. Use the Right Tool**

EVOMAX blades are designed to be used with Evolution saws. Using the blade with non-compatible tools can lead to poor performance, premature wear and potential injury.

It is essential that the blade is fitted to a saw which uses the correct bore size, blade size and blade rpm.

Top Tip: Our metal cutting chop saws and mitering chop saws have intelligent motor technology designed to extend blade life by up to 30%.

**5. Keep It Clean**

Dust, resin and metal build-up on the blade can reduce cutting efficiency. Clean the blade regularly with a suitable cleaner to remove residue.

**6. Use the Right Blade for the Job**

Don't use your EVOMAX blade on materials it wasn't designed for (e.g. wood, plastic, or concrete). Stick to metal – primarily mild steels – for best results.

For thin gauge metals, use a finer-toothed blade and slower feed rate to avoid snagging or deformation.

For thick materials, maintain a firm, moderate feed rate. EVOMAX's superior heat management allows for longer, continuous cuts, but rest is still beneficial.

Avoid cutting highly abrasive materials not specified for cermet blades, as these can rapidly accelerate wear.

**7. Regular Maintenance**

As with all blades - inspect your blade regularly for signs of wear, chipped teeth, or gumming. A quick clean with a soft brush and solvent after use will prevent buildup of resins or metals.

Where possible store blades in a dry environment, preferably hung or in a protective case, to prevent accidental damage or corrosion.

**Conclusion: Cut Smarter, Cut Longer**

Embracing the power of EVOMAX Cermet Blades is a smart investment in your craftsmanship and productivity. By understanding the technology, recognising the benefits, and following the simple usage tips outlined above, you'll enjoy smoother cuts, longer blade life, and greater value from every project

For further advice or support, our team is always here to help - so cut with confidence, and let your new EVOMAX blade do the work.

Shop EVOMAX now and experience cutting redefined.

**Frequently Asked Questions**

1. Can I use EVOMAX Cermet Blades on any saw?
   Most standard circular saws, chop saws, and cold saws are compatible, but always check for specific diameter, arbor size, and RPM ratings.

2. How do I know when my blade needs replacing?
   Signs include excessive burr formation, reduced cutting speed, increased noise, and noticeable vibration and a higher amount of sparking. Regular inspection is key.

3. What materials are NOT recommended?
   Avoid cutting hardened tool steels, cast iron, and materials containing large amounts of glass or stone, as these may exceed the design limits of cermet blades. Stainless steel will reduce the life of the blade when compared to cutting Mild Steel.

4. Does cermet require special care compared to carbide?
   Not especially! The tips above will keep your cermet blade performing at its best. The main difference is simply how much longer EVOMAX lasts under good conditions.

5. What's the difference between TCT metal cutting blades and EVOMAX Cermet Carbide blades?
   TCT blades use tungsten carbide tips, which are extremely hard and effective for metal cutting. They offer good performance and durability, and are a significant upgrade on abrasive cutting discs.

EVOMAX Cermet blades feature advanced ceramic-metal composite tips that deliver superior heat resistance, longer life, and cleaner cuts — especially in demanding materials like stainless steel and thicker mild steel. Cermet stays sharper for longer, runs cooler, and reduces burrs, making it ideal for professional-grade results and high-volume cutting.