



GETTING TO KNOW YOUR CPV PROFESSIONAL GLASS BLADE



WHAT IS CPV?

CPV by Montolit is an Italian made, no-compromise, fully professional glass tile cutting blade.

Designed and produced in Italy and recommended by many prestigious glass manufacturers, the Montolit CPV is the result of over 60 years experience in the tile & glass cutting industry.

HOW IT WORKS

Diamonds carefully selected based on their specific properties which optimize the efficiency of cutting through glass tile. Coupled with an engineered blade core, working in conjunction with the diamond properties, the finished product is a blade which can cut incredibly clean through glass tile.

INTENTIONAL MICRO-FISSURES

A unique characteristic of the Montolit CPV blade are micro-fissures which appear throughout the blade rim in a calculated orientation.

During the production of the CPV blades, micro-fissures are intentionally created in a production process exclusive to Montolit. These micro-fissures serve two purposes:

- 1) After the sinterization process is complete, Montolit glass blades undergo a tension reduction process in a specially developed machine which allows intentional pre-determined micro-fissures to be created on each rim. The purpose of this is to eliminate the tension developed during the sinterization process (tension that is created due to the thermal expansion coefficient of "metal powders & diamonds" differs from that of the steel core).
- 2) The micro-fissures enable the blades to better displace tension during usage by the customer. This reduces the possibility of breakage of the blade by a significant amount (except in extraordinary conditions of use).

MAINTENANCE



To ensure consistent performance of your Montolit CPV blade, it is critical to “dress” the blade periodically (after every 2-3 hours of use depending on the material being cut). Simply cut through a 395bj dressing stone to “dress” the blade, renewing the cutting performance.



art. 395bj

CARE

A warped blade will have negative effects both on cutting speed & quality.

It is critical to ensure the blade is not warped during handling / use.

Do NOT force the blade or apply side forces during cutting, as this may warp/damage the blade.

When mounting/dismounting the blade, take extra care to avoid bending / applying excessive stress to the blade body, as this may warp the blade.

Each CPV blade is measured in Italy to ensure it meets tolerances offering calculated performance of the Montolit CPV.

