



XP-4D® – Frequently Asked Questions

You talk about a minimally invasive approach, why is that important?

- *The practice of endo has always been focused on lessening the impact of tooth interventions. FKG has become synonymous with this approach. For XP-4D®, and all of our other mechanized root canal preparation systems, we use a unique blend of technology and design that allows our files to be thin, agile and resistant.*

Can I use other gutta-percha cones that the XP-4D® one?

- *No.
XP-4D Gutta-Percha Cones and Absorbent Paper Points have been specifically designed to perfectly match the canal preparation achieved with the XP-4D instruments.*

What is the metallurgy of XP-4D® and how does it affect the treatment?

- *All XP-4D® instruments are made from medical-grade NiTi alloy. The active part of each instrument undergoes a proprietary heat treatment that sets the austenite finish temperature (Af) differently for each file, according to its specific clinical purpose and need.*

Does XP-4D® have constant or variable taper ?

- *XP-4D® files have a constant 3% taper from the tip up to 4.5 mm. Beyond that point, the upper part of the file adapts to the canal morphology thanks to its unique shape.*

Which cross section for XP-4D®?

- *Triangular symmetrical cross-section in all instruments.*

Does sterilization affect the metallurgical properties of XP-4D[®] files ?

- *The sterilization has no effect on the metallurgical properties of XP-4D[®] files.*

What is the process used by FKG to reduce micro-surface defects on XP-4D[®] files?

- *It is a proprietary electrochemical polishing. The treatment removes surface imperfections, reducing drastically the risk of weak points (micro-cracks). The resulting shiny surface also allows for better cleaning. Furthermore, this process makes it possible to obtain increased resistance to fatigue and corrosion.*

In some clinical cases, I have the impression that the bluish or goldish color of my XP-4D[®] files changes slightly. Why, and what could be the impact on files' properties?

- *It is possible that the optical properties of the oxide surface layer may vary slightly after root canal treatment or after autoclavation, but this does not affect the properties of the alloy in any way, it is only something of aesthetics. So, no worries you can continue to use the files.*

Is XP-4D® recommended for retreatment?

- *Yes. XP-4D® can be used for retreatment. Please refer to the Instructions for Use (IFU) for detailed guidance.*



Empower Endo