

**EDGEENDO®**

## BioCeramic Sealer Comparison Chart

Category	EdgeBioCeramic Sealer	EdgeBioCeramic Thermal Flow	Utopia BioCeramic Sealer
Composition	Tricalcium silicate, dicalcium silicate, zirconium oxide, and tantalum oxide	Tricalcium silicate, dicalcium silicate, zirconium oxide, and tantalum oxide	Tricalcium silicate, dicalcium silicate, tricalcium aluminate, calcium oxide, zirconium oxide, silicon dioxide, polyethylene glycol and iron oxide.
Working Time	No mixing is required. EndoSequence BC Sealer can be applied immediately and introduced directly into the root canal. The working time can be more than 4 hours at room temperature.	No mixing is required. Root Canal Sealer can be applied immediately and introduced directly into the root canal.	Ready to use
Setting time	4 hours however can be more than 10 hours in a very dry canal	+10 hours	≤240 minutes
Radiopacity	6.09 mm of Al	More radio-opaque than Endosequence BS Sealer when heated.	≥ 7.0 mm Al
Flowability	High flow	High >17mm	23.46 mm
Particle Size			
BioCompatible	Yes	Yes	Yes
pH	>12(Basic)	6.9	~12
Obturation Technique	<ul style="list-style-type: none"><li>· Sealer-based technique</li><li>· Optimal for cold obturation</li></ul>	<ul style="list-style-type: none"><li>· Condensation-based technique</li><li>· Optimal for warm obturation</li><li>· Lower viscosity when heated</li><li>· Higher radiopacity</li></ul>	Both warm vertical and single cone obturation techniques
Resin Free	Yes	Yes	Yes
Dimensionally Stable	Yes	Yes	Yes