

Zircules™

Zirconia Nano-Filled Core Material



Dual-Cure
OR
Self-Cure

Does Your Core Material Stack Up?

Scanning the market, you may think you have a lot of choices. But did you know that not all core materials perform equally in every clinical situation? Some core materials claim to be dual-cure, but they actually lose significant strength if they are not light-cured. So in restorations where the curing light depth of penetration is limited, strength may be compromised. We believe that's a risk you can't afford.

Always Strong

Zircules is different from other core materials. The **Zircules** chemistry maintains high strength regardless of whether it's used in a dual-cure or self-cure technique. Some core materials lose significant strength if they are not light-cured – so in situations where curing light penetration is limited, you can be confident that the cores you build with **Zircules** will remain strong, regardless of the clinical situation. (See charts).

It Flows, It Stacks

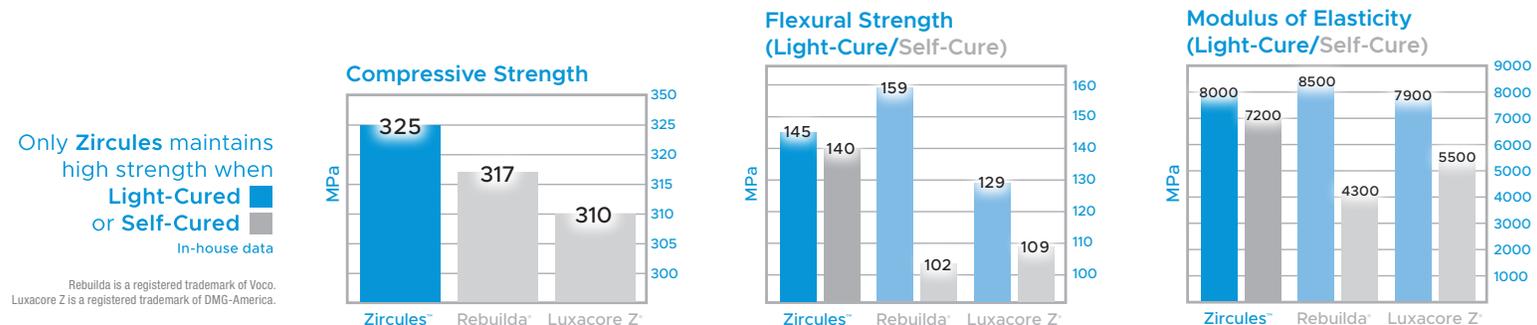
Zircules' ideal flow consistency is excellent for any core build-up, simple or complex. When you're cementing a post and then building the core, **Zircules** flows easily into the post space, yet it is stackable so that you can build a sufficient amount of core material without the material slumping.

A Cut Above

Zirconium dioxide nano-filler gives **Zircules** significant benefits over other core materials, including higher radiopacity and improved hardness. Once polymerized **Zircules** cuts beautifully, just like dentin. The resulting transition from core material to natural tooth is smooth and free from gouging.

Ready for Anything

Zircules is available in two esthetic shades (A2, A3), as well as White Opaque and Blue. We recommend 25mL cartridges in the shades you use most frequently and 5mL syringes in the alternate shades so that you are prepared for any and every core build-up.



- ZIRCULES 25mL CARTRIDGES**
A2
A3
Blue
White Opaque

- ZIRCULES 5mL CARTRIDGES**
A2
A3
Blue
White Opaque

Post Cementation and Core Build-Up

Dentistry and photography courtesy of Dr. Gildo Santos



1. Post preparation to receive a Macro-Lock Illusion X-RO #1 post. Try-in.



2. Post cemented with Zircules and core build-up performed with direct application of Zircules using auto-mix integrated needle tip. Note that the material stays in place after delivery without slumping.



3. Final preparation. Note the smoothness of preparation with perfect blending between dentin and Zircules. Also, no ditching is present on preparation due to the mechanical properties of Zircules which cuts just like dentin.

Core Build-Up

Dentistry and photography courtesy of Dr. Christopher Ramsey.



1. Zircules has an ideal consistency. It flows easily, yet it won't slump.



2. The Zircules zirconium dioxide nano-filler creates superior radiopacity and hardness giving it the feel of natural dentition. Zircules cuts beautifully, resulting in a smooth transition from core to tooth; without gouging.