

CEMENTING SUNCERAM® ZIRCONIA RESTORATIONS WITH RMGI

Resin-Modified Glass Ionomer (RMGI) is the recommended cement for SunCeram® full-zirconia restorations. There are several available however, two of the more popular RMGI products are Rely X Luting Plus by 3M ESPE and FujiCem2 GC America.

RETENTIVE PREPARATION

Sandblast the internal area of the Zirconia restoration or clean it with Ivoclean (Ivoclar Vivadent). Clean the tooth preparation with flour of pumice and water on a rubber cup, place a desensitizer/disinfectant on the tooth preparation for two one-minute applications (examples are Gluma from Heraeus Kulzer or MicroPrime from Danville Materials) and suction off (don't wash it off), and then seat with (RMGI).

ADJUSTING AND POLISHING SUNCERAM® ZIRCONIA



Adjust: Use a medium grit, egg-shaped diamond bur to make any necessary adjustments. When doing so, use a light water spray or irrigation to prevent excessive heat.

Polish: Use a diamond-interpersed flame shape or cup shape polisher to restore shine.



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Multilayer HIGH Translucent Full Zirconia

- Multilayer with shade transitions similar to natural tooth enamel
- 1.4 times more translucency than conventional zirconia
- Completely chip resistant (solid zirconia)
- Perfect marginal fit

ANTERIOR ZIRCONIA



Flexural Strength 615 MPa
1-3 Anterior Units

POSTERIOR ZIRCONIA



Flexural Strength 1200 MPa
1-3 Posterior Units

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Multilayer Zirconia with Natural Shade Transition & High Translucency Creates an Optimal Esthetic Effect

Anterior Zirconia



This highly esthetic restoration material is designed specifically to satisfy the esthetic and functional requirements of the anterior region of the mouth. Anterior zirconia exhibits an average flexural strength of 615 MPa with high translucency and multilayer shade transition similar to natural tooth enamel. Indicated for single crowns, veneers, implant restorations and bridges up to 3 units.

Posterior Zirconia



The chip-proof durability and flexural strength of 1200 MPa make SunCeram® multilayer zirconia ideal for Bruxers who have broken natural teeth or previous PFM restorations. It is an esthetic alternative to PFM metal occlusal/lingual or full-cast restorations. Indicated for single crowns, inlays & onlays, implant restorations and bridges up to 3 units.

MULTILAYER TRANSLUCENT ZIRCONIA

SunCeram®'s new Multilayer High Translucency zirconia offers the unique benefit and advantage of being very similar in optical properties to a natural human tooth. The internal shade layering of the zirconia pucks create color intensity/chroma with higher translucency toward the incisal. This distinctly sets it apart from the monolithic zirconia currently available in the market. While as strong as traditional zirconia, bridge restorations are limited to a maximum of 3 units due to the alignment within the curve of spee and the shade gradation within the puck.

PREPARATION REQUIREMENTS

- Shoulder preparation is preferred but not required. Feather edge is acceptable.
- Occlusal space of 1 mm is ideal, however a conservative preparation similar to full cast with at least 0.5 mm is acceptable.

TESTIMONIAL

"Sun Dental Labs has provided us with CAD/CAM restorations as well as removable prosthesis. Their team offers the latest in technology and a great line of products. Beyond the quality of their work Sun Dental Labs provides great customer service and clear communication to meet delivery dates and our expectations. It has been a real pleasure working with such an upper level lab."

- M. Reza Iranmanesh, D.M.D., M.S.D., P.A

