



SunCeram® High Translucent 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 colour intensity/chroma with higher translucency toward the incisal. This distinctly sets it apart from the monolithic zirconia.



HIGH Translucent Full Zirconia

Full Zirconia with Natural Shade Transition & High Translucency Creates an Optimal Aesthetic Effect



vs.

Traditional Full Zirconia

✓ Anterior and Posterior Crowns and Bridges		• Only posterior crowns and bridges
✓ High Translucent		• Not translucent
✓ Natural Shade Transition (multilayer)		• Single shade (monolithic)
✓ Flexural Strength 900 MPa		• Flexural strength 900 MPa
✓ Completely chip resistant		• Completely chip resistant

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Anterior Zirconia

This highly aesthetic restoration material is designed specifically to satisfy the aesthetic and functional requirements of the anterior region of the mouth. Anterior zirconia exhibits an average flexural strength of 900 MPa with high translucency and multilayer shade transition similar to natural tooth enamel. Indicated for single crowns, implant restorations and bridges.



Posterior Zirconia

The chip-proof durability and flexural strength of 900 MPa make SunCeram® zirconia ideal for Bruxers who have broken natural teeth or previous PFM restorations. It is an aesthetic alternative to PFM metal occlusal/lingual or full-cast restorations.

Indicated for single crowns, inlays & onlays, implant restorations and bridges.

MULTILAYER TRANSLUCENT ZIRCONIA

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PREPARATION REQUIREMENTS

- Shoulder preparation is preferred but chamfer preparation is acceptable with a minimum of 0.5mm at margin.
- Occlusal space of 1 mm is ideal, however a conservative preparation similar to full cast with at least 0.5 mm is acceptable.

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 desensitiser/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-interspersed flame shape or cup shape polisher to restore shine. Surface must be as smooth as possible to minimise erosion of the opposing teeth.



TESTIMONIAL

"Sun Dental Labs has been producing SunCeram® zirconia crowns and bridges for my patients for some time which are more aesthetic looking than the traditional zirconia crowns that appear chalky and unnatural. They are strong enough that they can be used not just in the anterior but the posterior area as well. Sun Ceram zirconia crowns are quality restorations at a competitive price."

- Joseph R. Craig, DDS