

# BruxZIR™ SOLID ZIRCONIA

## TECH SHEET

BruxZir Solid Zirconia is a full contoured zirconia restoration with no porcelain overlay. While BruxZir is more brawn than beauty, you'll be impressed by its esthetics when prescribed instead of metal occlusal PFM's and full-cast metal restorations. Virtually unbreakable, it is an ideal restoration for bruxers and grinders.

BruxZir crowns and bridges are made from the highest quality zirconia that is uniquely colloidal processed without mechanical pressing or contaminate organic binders for enhanced esthetics (patents pending). Other dental zirconia materials on the market today use organic binders to hold the powder together during high pressure pressing to form the milling blanks. Designed and milled using CAD/CAM technology, BruxZir crowns and bridges are sintered for 6.5 hours at 1,530o Celsius. The final BruxZir crown or bridge emerges nearly "bulletproof" and is glazed to a smooth surface.

### CLINICAL INDICATIONS

BruxZir Solid Zirconia is indicated for bruxers and grinders when PFM metal occlusals or full-cast restorations are not desired. BruxZir is ideally suited for posterior molar crowns when the patient desires a tooth colored restoration but lacks the preparation space, or has broken a PFM crown in the past due to bruxing.

### PATIENT BENEFITS

- Chip-resistant, as it is made of full zirconia with no porcelain overlay
- Glazed to a smooth surface to reduce plaque accumulation

### PREPARATION

A shoulder preparation is not needed. Feather edge is okay. It is a conservative preparation similar to full-cast gold, so any preparation with at least 0.5 mm of occlusal space is acceptable; however, 1.0 mm is ideal.

### ADJUSTMENTS/POLISHING

Adjust BruxZir restorations using water and air spray to keep the restoration cool and to avoid micro-fractures with a fine grit diamond. If using air only, use the lightest touch possible when making adjustments. A football shaped bur is the most effective for occlusal and lingual surfaces. A tapered bur is the ideal choice for buccal and lingual surfaces.

Polish BruxZir restorations with the porcelain polishing system of your choice. Or, purchase the Axis Dental BruxZir Adjustment & Polishing Set (LS-7579) through your dealer or by calling 800-355-5063.

### CEMENTATION RECOMMENDATIONS

- Resin reinforced glass ionomer cement  
(RelyX Luting Cement, 3M ESPE; GC Fuji Plus, GC America)
- Resin cements for short or over-tapered preparations  
(RelyX Unicem, 3M ESPE; Panavia F2.0, Kuraray)



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