

All-Ceramic Cementation Guide

Products	Materials	Indications	Cementation	Benefits
Element-Z (Milled Full-Contour Zirconia)	Yttrium Stabilized Zirconia All Vita Shades (1,465 MPa)	Anterior/Posterior Crowns, Bridges up to 2 pontic screw-retained crowns/bridges, cement retained implant crowns/bridges	Resin-Modified Glass Ionomer, Self Adhesive Resin	Strongest all ceramic crown on the market. Low Cost. Extreme fracture resistance.
Ultra-Z Esthetic (Milled Full-Contour Zirconia)	Yttrium Stabilized Zirconia (650 MPa)	Anterior/Posterior Crowns, Bridges up to 3 units with 1 pontic, Screw-Retained crowns, cement retained implant crowns/bridges	Resin-Modified Glass Ionomer, Self Adhesive Resin	Highly esthetic restorative material with translucency similar to natural teeth and e.max, but stronger.
Element-Z Lingual (Full Contour Zirconia with Labial Cutback)	Yttrium Stabilized Zirconia with e.max porcelain labial	Anterior/Posterior Crowns, Bridges up to 2 consecutive pontics	Resin-Modified Glass Ionomer, Self Adhesive Resin	Improved strength and fracture resistance with Zirconia Occlusal/Lingual. Maintain maximum esthetic with porcelain labial.
Forte YZr Zirconia/Lava™ Zirconia (Porc. Fused to Zirconia Occlusal/ Lingual)	Yttrium Stabilized Zirconia with full coverage e.max porcelain	Anterior/Posterior Crowns, Bridges with 1 pontic	Resin-Modified Glass Ionomer, Self Adhesive Resin	Enhanced esthetics of veneering porcelain, Ability to block out cast posts or dark preps, Longer span bridge capabilities in the esthetic zone
IPS e.max™	Lithium Disilicate Glass Ceramic (400 MPa)	Anterior & Posterior Crowns, Anterior 3 unit bridges, Screw-Retained Crowns, Crowns over Custom Abutments, Inlays & Onlays Veneers	Resin-Modified Glass Ionomer, Self Adhesive Bonding or Resin Bonding	Highly esthetic. 2x strength of Empress. Cementable. Affordable. Eliminates risk of porcelain fracturing from substructure.
Lava™ Ultimate	Resin Nano Ceramic 8 Vita Shades (200 MPa)	Inlays/Onlay, Veneers, Anterior/Posterior Crowns	Resin Bonding	Longer span bridge capabilities in the esthetic zone
IPS Empress Esthetic™	Leucite-Reinforced Glass Ceramic (160 MPa)	Inlays/Onlays, Anterior Crowns, Veneers	Resin Bonding	The most esthetic all ceramic material available. The most translucent option for anterior cases.
CAD/ CAM Oral Temp	Polymethyl Methacrylate (160 MPa)	Temporary Crowns/ Bridges	Temporary Cementation	Long-term temporary restorations. High biocompatibility. Add fiber reinforcement when needed.

*RMGI-Resin Modified Glass Ionomer

Recommended Cements:

Resin-Modified Glass Ionomer – Crowns/Bridges (not veneers)

- FugicEM 2, GC America
- RelyX Luting Plus, 3M ESPE
- Nexus RMGI, Kerr

Self-Adhesive Resin – Crowns/Bridges (not veneers)

- Panavia SA Cement, Kuraray
- RelyX Unicem 2, 3M ESPE
- Max Cem Elite, Kerr

Resin Bonding- Veneers

- Panavia V5 Cement
- Variolink Veneer, Ivoclar Vivadent
- RelyX Veneer, 3M ESPE
- Calibra Esthetic Resin, Dentsply Caulk

*** In general, lithium disilicate restorations are etched before they are placed. Before restorations are placed with adhesive or self-adhesive cementation materials, they should be conditioned with Silane.



Komet Lithium Disilicate & Solid Zirconia
Adjustment Kit

Available at Oral Arts Dental Laboratory