



CEMENT SELECTION GUIDE



Type of Restoration	Bonded or Cemented	Cementation Protocol	Suggested Cements
BruxZir Zeternity Lava	Cement (Good retention cases) <hr style="width: 20%; margin: 10px auto;"/> Bond (poor retention cases)	No etching or bonding. Use a self-adhesive resin cement, resin-modified glass ionomer cement, or traditional C&B cement. <hr style="width: 20%; margin: 10px auto;"/> Tooth Surface: <ol style="list-style-type: none"> 1. apply dual-cure bonding agent Ceramic Internal Surface <ol style="list-style-type: none"> 2. Apply primer 3. Cement with dual-cure resin cement 	3M ESPE Durelon (3M ESPE); 3M ESPE RelyX Unicem Self-Adhesive Universal Resin Cement (3M ESPE); G-CEM (GC America); GC Fuji Plus (GC America) Maxcem Elite (Kerr Corp.); SMARTCEM 2 (DENTSPLY Caulk); seT (SDI North America, INC.) <hr style="width: 20%; margin: 10px auto;"/> Bonding Agent Clearfil DC Bond (Kuraray America); Excite (Ivoclar Vivadent) Primer Clearfil Ceramic Primer (Kuraray America); Metal-Zirconia Primer (Ivoclar Vivadent) Cement Clearfil Esthetic Cement (Kuraray America); Multilink Automix (Ivoclar Vivadent)
<u>Lithium Disilicate</u> e. max Crowns e.max Veneers	Cement Crowns (good retention cases) <hr style="width: 20%; margin: 10px auto;"/> Bond Veneers (poor retention cases)	No etching or bonding. Use a self-adhesive resin cement or resin-modified glass ionomer cement. <hr style="width: 20%; margin: 10px auto;"/> Tooth Surface: <ol style="list-style-type: none"> 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent Ceramic Internal Surface <ol style="list-style-type: none"> 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement 	3M ESPE RelyX Unicem Self-Adhesive Universal Resin Cement (3M ESPE); G-CEM (GC America); GC Fuji Plus (GC America) Maxcem Elite (Kerr Corp.); SMARTCEM 2 (DENTSPLY Caulk); seT (SDI North America, INC.) <hr style="width: 20%; margin: 10px auto;"/> 3M ESPE RelyX ARC Adhesive Resin Cement (3M ESPE); 3M ESPE RelyX Veneer Cement with 3M ESPE Adper Single Bond Plus Adhesive (3M ESPE); Calibra with Prime and Bond NT (DENTSPLY Caulk); Linkmax (GC America); Multilink Automix (Ivoclar Vivadent) NX3 with OptiBond Solo Plus (Kerr Corp.); Panavia F 2.0 (Kuraray America); Variolink II with AdheSE (Ivoclar Vivadent) Lute-It with Bond 1 (Pentron)
<u>High Leucite</u> Empress	Bond, then resin cement	Tooth Surface: <ol style="list-style-type: none"> 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent Ceramic Internal Surface <ol style="list-style-type: none"> 7. Etch with HF at lab 8. Silanate chairside 9. Cement with light-cure or dual-cure cement 	3M ESPE RelyX Veneer Cement with 3M ESPE Adper Single Bond Plus Adhesive (3M ESPE); Calibra with Prime and Bond NT (DENTSPLY Caulk); NX3 with OptiBond Solo Plus (Kerr Corp.); Panavia F 2.0 (Kuraray America); Variolink II with AdheSE (Ivoclar Vivadent) Lute-It with Bond 1 (Pentron)
<u>Alumina</u> Procera Alumina Wol-Ceram Alumina	Cement	No etching or bonding. Use a self-adhesive resin cement, resin-modified glass ionomer cement, or traditional C & B cement.	3M ESPE Durelon (3M ESPE); 3M ESPE RelyX Unicem Self-Adhesive Universal Resin Cement (3M ESPE); G-CEM (GC America); GC Fuji Plus (GC America) Maxcem Elite (Kerr Corp.); SMARTCEM 2 (DENTSPLY Caulk); seT (SDI North America, INC.)