

CEMENTATION GUIDE

TYPE OF CERAMIC	TYPE OF RESTORATION	BONDED OR CEMENTED	CEMENTATION PROTOCOL	SUGGESTED CEMENTS
FELDSPATHIC -Cerec Bloc (Sirona) -Vitablocs (VITA)	Inlays, Onlays, Crowns, Veneers (excluding 2nd molar crowns)	Bond, then resin the cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th or 5th generation) CERAMIC INTERNAL SURFACE: 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement	-3M ESPE Rely X Veneer Cement with 3M ESPE Adper Single Bond Plus -Calibra with Prime and Bond NT (DENTSPLY Caulk) -Multilink Automix (Ivoclar Vivadent) -NX3 with OptiBond Solo Plus (Kerr Corp) -Variolink II with Excite (Ivoclar Vivadent)
HIGH LEUCITE -Authentic (Jensen Industries) -Avante (Pentron Ceramics) -Cerpress SL (Leach and Dillon) -Creation CP (Jensen Industries) -Finesse All-Ceramic (DENTSPLY Ceramco) -HD17 CAM Blocks (Benco Dental) -IPS Empress (Ivoclar Vivadent) -IPS Empress CAD (Ivoclar Vivadent) -Luminesse Pressable Porcelain (Talladium) -OPC (Pentron Ceramics) -Paradigm C (3M ESPE)	Inlays, Onlays, Crowns, Veneers (excluding 2nd molar crowns)	Bond, then resin the cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th or 5th generation) CERAMIC INTERNAL SURFACE: 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement	-3M ESPE Rely X Veneer Cement with 3M ESPE Adper Single Bond Plus -Calibra with Prime and Bond NT (Dentsply Caulk) -Multilink Automix (Ivoclar Vivadent) -NX3 with OptiBond Solo Plus (Kerr Corp) -Variolink II with Excite (Ivoclar Vivadent)
LITHIUM DISILICATE -3G (pentron Ceramics) -IPS e.max Press (Ivoclar Vivadent) -IPS e.max CAD (Ivoclar Vivadent)	Anterior & Posterior crowns, 3 unit Bridges up to 2nd bicuspid	Bond, then resin the cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th or 5th generation) CERAMIC INTERNAL SURFACE: 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement OR 1. Use self-adhesive resin cement	-3M ESPE Rely X Veneer Cement with 3M ESPE Adper Single Bond Plus -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 Excite (Ivoclar Vivadent) OR -3M ESPE Rely X Unicem Self-Adhesive Universal Resin Cement -G-CEM (GC America) -Maxcem Elite (Kerr Corp.) -SMARTCEM 2(DENTSPLY Caulk) -seT (SDI North America, Inc.)
ALUMINA -In-Ceram ALUMINA (Vident) -Procera (Nobel Biocare)	Anterior & Posterior crowns, 3-6 unit bridges	Cement (Good retention cases)	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 Rely X ARC adhesive Resin Cement -3M ESPE Rely X Unicem Self-Adhesive Universal Resin Cement -G-CEM (GC America) -GC Fuji Plus (GC America) -Multilink Automix (Ivoclar Vivadent)
ZIRCONIA -CERCON (DENTSPLY Ceramco) -EVEREST (KaVo) -IPS e.ZirCad (Ivoclar Vivadent) -Lava (3M ESPE) -Procera (Nobel Biocare) -ZENO (Wieland) -BruxZir®	Anterior & Posterior crowns, 3 unit Bridges Implants Maryland Bridges	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 Rely X Unicem Self-Adhesive Universal Resin Cement -G-CEM (GC America) -GC Fuji Plus (GC America) -Maxcem Elite (Kerr Corp.) -SMARTCEM 2 (DENTSPLY Caulk) -seT (SDI North America, Inc.)