

Cement Selection Guide

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TYPE OF CERAMIC	TYPE OF RESTORATION	BONDED VENEERS	CEMENTATION PROTOCOL	SUGGESTED CEMENTS
ZIRCONIA DSz, DSzmz, DSez (DSG) BruXZir, BruXZir Esthetic (Glidewell) LAVA (3M ESPE) CERCON (DENTSPLY Ceramco) EVEREST (KaVo) IPS e.ZirCad (Ivoclar Vivadent) Procera (Nobel Biocare) ZENO (Wieland)	Anterior & Posterior Crowns, 3-6 Unit Bridges, Implants	Cement	No etching or bonding. Use selfadhesive resin cement, resin-modified glass ionomer cement, or traditional C&B cement.	<ul style="list-style-type: none"> • 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.) • Panavia
FELDSPATHIC Porcelain Veneers Cerec Bloc (Sirona) Vitablocs (VITA)	Inlays, Onlays, Crowns, Veneers (excluding 2nd molar crowns)	Bond, then resin cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th and 5th generation) CERAMIC INTERNAL SURFACE: 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement	<ul style="list-style-type: none"> • 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) HD17 CAM Blocks (Benco) 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 cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th and 5th generation) CERAMIC INTERNAL SURFACE: 4. Etch with HF at lab 5. Silanate chairside 6. Cement with light-cure or dual-cure cement	<ul style="list-style-type: none"> • 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 e.max CAD or Pressed (Ivoclar Vivadent) 3G (Pentron Ceramics)	Anterior & Posterior crowns, 3 Unit Bridges up to 2nd bicuspid	Bond, then resin cement	TOOTH SURFACE: 1. Etch with phosphoric acid 2. Rinse 3. Apply bonding agent (4th and 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	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 Procera (Nobel Biocare) In-Ceram ALUMINA (Vident)	Anterior & Posterior Crowns, 3-6 Unit Bridges	Cement (Good retention cases)	No etching or bonding. Use selfadhesive resin cement, resin-modified glass ionomer cement, or traditional C&B cement.	<ul style="list-style-type: none"> • 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)