



Helm Dental Laboratory

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CEMENTATION GUIDELINES FOR CERAMIC RESTORATIONS

These cementation guidelines are recommendations only. No guarantee is implied or given for this information. Verify information with the cement manufacturer.

TYPE OF CERAMIC	TYPE OF RESTORATION	SUGGESTED CEMENTS
LITHIUM DISILICATE • IPS e.max Press (<i>Ivoclar Vivadent</i>) • IPS e.max CAD (<i>Ivoclar Vivadent</i>)	• Anterior & Posterior crowns • 3-unit bridges up to 2nd bicuspid • Implants	LIGHT- OR DUAL-CURE CEMENTS • RelyX Ultimate (<i>3M ESPE</i>) • Calibra Ceram (<i>Dentsply Sirona</i>) • Linkmax (<i>GC America</i>) • Multilink Automix (<i>Ivoclar Vivadent</i>) • Variolink II (<i>Ivoclar Vivadent</i>) • Panavia F 2.0 (<i>Kuray America</i>) SELF-ADHESIVE CEMENTS • RelyX Unicem or Unicem2 (<i>3M ESPE</i>) • Calibra Universal (<i>Dentsply Sirona</i>) • G-CEM (<i>GC America</i>) • Maxcem Elite (<i>Kerr Corp.</i>)
	• Veneers	LIGHT- OR DUAL-CURE CEMENTS • RelyX Veneer Cement (<i>3M ESPE</i>) • Calibra Veneer Cement (<i>Dentsply Sirona</i>)
ZIRCONIA • Ceramill (<i>Amman Girschbach</i>) • CERCON (<i>Dentsply Sirona</i>) • IPS e.ZirCad Prime (<i>Ivoclar Vivadent</i>) • Katana (<i>Kuray Noritake</i>) • Zirlux (<i>Zahn Dental</i>)	• Anterior & Posterior crowns • Bridges (<i>length will determine zirconia used</i>) • Implants • Maryland bridges	LIGHT- OR DUAL-CURE CEMENTS • RelyX Ultimate (<i>3M ESPE</i>) • Calibra Ceram (<i>Dentsply Sirona</i>) • Linkmax (<i>GC America</i>) • Multilink Automix (<i>Ivoclar Vivadent</i>) • Variolink II (<i>Ivoclar Vivadent</i>) • Panavia F 2.0 (<i>Kuray America</i>) SELF-ADHESIVE CEMENTS • Durelon (<i>3M ESPE</i>) • RelyX Unicem or Unicem2 (<i>3M ESPE</i>) • Calibra Bio (<i>Dentsply Sirona</i>) • Calibra Universal (<i>Dentsply Sirona</i>) • G-CEM (<i>GC America</i>) • GC Fuji Plus (<i>GC America</i>) • Maxcem Elite (<i>Kerr Corp</i>)
	• Veneers	LIGHT- OR DUAL-CURE CEMENTS • RelyX Veneer Cement (<i>3M ESPE</i>) • Calibra Veneer Cement (<i>Dentsply Sirona</i>)

CEMENTATION PROTOCOL for LIGHT- or DUAL-CURE CEMENTS

- 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- or dual-cure cement

CEMENTATION PROTOCOL for SELF-ADHESIVE CEMENTS

- No etching or bonding of the restoration
- Use a self-adhesive resin cement, resin-modified glass ionomer cement or traditional C&B cement

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