



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 <ul style="list-style-type: none">• IPS e.max Press (Ivoclar Vivadent)• IPS e.max CAD (Ivoclar Vivadent)	<ul style="list-style-type: none">• Anterior & Posterior crowns• 3-unit bridges up to 2nd bicuspid• Implants <ul style="list-style-type: none">• Veneers	LIGHT- OR DUAL-CURE CEMENTS <ul style="list-style-type: none">• Calibra Ceram (Dentsply Sirona)• Linkmax (GC America)• Multilink Automix (Ivoclar Vivadent)• Panavia F 2.0 (Kuray America)• RelyX Ultimate (3M ESPE)• Variolink II (Ivoclar Vivadent) SELF-ADHESIVE CEMENTS <ul style="list-style-type: none">• Calibra Universal (Dentsply Sirona)• G-CEM (GC America)• Maxcem Elite (Kerr Corp.)• RelyX Unicem or Unicem2 (3M ESPE)• Smartcem 2 (Dentsply Sirona) LIGHT- OR DUAL-CURE CEMENTS <ul style="list-style-type: none">• Calibra Veneer Cement (Dentsply Sirona)• Panavia Veneer LC (Kuray America)• RelyX Veneer Cement (3M ESPE)
ZIRCONIA <ul style="list-style-type: none">• Argen Z (Argen)• Ceramill Zolid (Amman Girrbach)• CERCON (Dentsply Sirona)• IPS e.ZirCad Prime (Ivoclar Vivadent)• Katana (Kuray Noritake)• Lava (3M ESPE)• ZirLux (Zahn Dental)	<ul style="list-style-type: none">• Anterior & Posterior crowns• Bridges (length will determine zirconia used)• Implants• Maryland bridges <ul style="list-style-type: none">• Veneers	LIGHT- OR DUAL-CURE CEMENTS <ul style="list-style-type: none">• Calibra Ceram (Dentsply Sirona)• Linkmax (GC America)• Multilink Automix (Ivoclar Vivadent)• RelyX Ultimate (3M ESPE)• Panavia F 2.0 (Kuray America)• Variolink II (Ivoclar Vivadent) SELF-ADHESIVE CEMENTS <ul style="list-style-type: none">• Calibra Bio (Dentsply Sirona)• Calibra Universal (Dentsply Sirona)• Durelon (3M ESPE)• Fuji-CEM (GC America)• GC Fuji Plus (GC America)• Maxcem Elite (Kerr Corp)• RelyX Unicem or Unicem2 (3M ESPE)• SmartCem 2 (Dentsply Sirona) LIGHT- OR DUAL-CURE CEMENTS <ul style="list-style-type: none">• Calibra Veneer Cement (Dentsply Sirona)• Panavia Veneer LC (Kuray America)• RelyX Veneer Cement (3M ESPE)

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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