

CEMENTATION CHECKLIST FOR ALL CEMENTS

TOOTH-Preparation	RESTORATION- Crown/Veneer/Onlay/Inlay
Follow the sequence for prep (white) and restoration (grey) (From 1-8):	
1. Remove temporary + Clean prep to remove residual cement	1. Try-in on die and solid model
2. Try-in + Adjustments *Veneers: Try-in one at a time and then all together (check sequence) using water OR try-in paste OR water soluble medium (KY Jelly). Select the shade of the cement according to the shade of the try-in paste	
3. Confirm seating with radiograph and/or fit checker (if necessary)	
4. Isolate the tooth/teeth (Rubber dam or Isolite)	5. Try-in one more time with the rubber dam/Isolite to verify complete seating
6. Clean (fluoride-free pumice) and disinfect the prep (2% CHX)	6. Clean restoration (steam clean) and DO NOT place it back on the cast
7. SELECT THE MATERIAL	
Lithium Disilicate (EMAX)	5% Hydrofluoric Acid (RED) for 20 sec (Emax) Rinse and air dry Apply SILANE 1-2 coats OR MONOBOND PLUS 1 coat: let it stand for 1 min + air dry for 15 sec (or apply heat for 1 min)
Zirconia, PFM, and Metal <small>*adhesive cementation</small>	*Microsandblast with Aluminum Oxide <50µm *Apply Ivoclean for 20 sec + rinse + air dry *Apply METAL PRIMER (Z-Prime Plus) 1 coat and air dry for 5 sec OR MONOBOND PLUS 1 coat and air dry for 60 sec
Resin Nano Ceramic (LAVA ULTIMATE)	Microsandblast with Aluminum Oxide <50µm Rinse and air dry Apply SILANE 1-2 coats OR MONOBOND PLUS 1 coat: let it stand for 1 min + air dry for 15 sec (or apply heat for 1 min)
Leucite (EMPRESS) and Feldspathic Porcelain	5% Hydrofluoric Acid for 60 sec (Empress) 9.5% Hydrofluoric Acid for 90 sec (Feldspathic) Rinse and air dry 37% Phosphoric acid scrubbing for 20 sec Rinse and air dry Apply SILANE 1-2 coats OR MONOBOND PLUS 1 coat: let it stand for 1 min + air dry for 15 sec (or apply heat for 1 min)

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8. SELECT THE LUTING AGENT	
<p>Duo-Link Universal with + AllBond Universal (Bisco) DUAL-CURE Resin Cement</p> <p>Used for: All ceramic (EMAX, Empress, Feldspathic, Zirconia) PFM, and Metal</p>	<p>Crown Prep: Leave preparation slightly moist Onlay/Inlay Prep: selective etch enamel for 20-30 sec with 37% phosphoric acid + rinse + lightly air dry</p> <p>AllBond Universal (self-etch adhesive) 1 coat scrubbing for 15 sec, lightly air dry and apply another coat scrubbing for 15 sec + air dry (no excess of adhesive should be present) + light-cure for 10 sec.</p> <p>Dispense Duo-Link Universal into the restoration (into the prep in case of inlay/onlay)</p> <p>Seat the restoration firmly (cement should exude from all margins) + verify full seating + continue finger pressure + *light-cure B and L for 2 sec ONLY + clean margins and floss gently + light-cure for 20 sec each surface. For Metal/Zirconia firm pressure for 4-5 min.</p> <p>*Optional Method: wait for cement to reach gel phase on its own, or remove excess cement while unset.</p> <p>Check occlusion and polish + post-op radiograph</p>
<p>Rely X Unicem 2 (3M) DUAL-CURE Self-Adhesive Resin Cement</p> <p>Used for: All ceramic (EMAX, Empress, Feldspathic, Zirconia) PFM, and Metal</p>	<p>Selective etch enamel for 20-30 sec with 37% phosphoric acid + rinse + air dry (dentin needs to be moist)</p> <p>Dispense Rely X Unicem 2 into the restoration (into the prep in case of inlay/onlay)</p> <p>Seat the restoration firmly (cement should exude from all margins) + verify full seating + continue finger pressure + *light-cure B and L for 2 sec ONLY + clean margins and floss gently + light-cure for 20 sec each surface (B, L, O).</p> <p>*Optional Method: wait for cement to reach gel phase on its own, or remove excess cement while unset.</p> <p>Check occlusion and polish + post-op radiograph</p>
<p>Rely X Luting Plus (3M) SELF-CURE Resin-Modified Glass Ionomer</p> <p>Used for: Zirconia, PFM and Metal</p>	<p>Crown/Gold Onlay/Inlays: Leave preparation slightly moist</p> <p>Dispense Rely X Luting Plus into the restoration</p> <p>Seat the restoration firmly (cement should exude from all margins) + verify full seating + continue applying pressure for 2½ min (from initial setting) + clean margins and floss gently + have the patient bite on a cotton roll for another 2 min</p> <p>Re-verify occlusion to ensure complete seating</p>

TOOTH-Preparation	RESTORATION-Veneer
<p>If using ScotchBond Universal Adhesive (3M) (Self-etch adhesive): selective etch enamel for 20-30 sec with 37% phosphoric acid + rinse + air dry + 1 coat of Universal Adhesive scrubbing for 15 sec, lightly air dry and apply another coat scrubbing for 15 sec + air dry (no excess of adhesive should be present) + light-cure for 10 sec</p>	
OR	
<p>Rely X Veneer Cement (3M) LIGHT-CURE Resin Cement</p> <p>Used for: Ceramic (EMAX, Empress, Feldspathic) Veneers</p>	<p>If using Adper Single Bond Plus (3M) (Total etch adhesive): etch enamel for 20-30 sec and dentin for 5-10 sec (if exposed) with 37% phosphoric acid + rinse + evacuate/suction dentin moisture + 2-3 coats of Adper Single Bond Plus + air dry (no excess of adhesive should be present) + light-cure for 10 sec*</p> <p>*Optional Method: light-cure after placement of the veneer.</p>
	<p>Dispense the selected shade Rely X Veneer Cement into the veneer</p>
<p>Seat the restoration firmly (cement should exude from all margins) + apply finger pressure and wipe away the cement towards the tissue + spot cure at the middle third for 2-3 sec ONLY + clean margins and floss gently maintaining finger pressure + light cure for 20 sec all surfaces</p>	
<p>Refine occlusion + clean margins + polish</p>	