

Calibra® Ceram Adhesive Resin Cement

TECHNIQUE GUIDE

for ceramic, composite and metal-based restorations



1. CLEAN AND DRY*

Follow dental lab or restoration's manufacturer's directions for pre-treatment of the intaglio surface of the restoration. For silanated restorations, adhesive application is not required after silane application.

For adhesive application on zirconium, metal or other non-silanated restorations, refer to Prime&Bond elect® Adhesive's directions for use.



2. APPLY ADHESIVE TO TOOTH

Apply generous amounts of Prime&Bond elect Adhesive to thoroughly wet all the tooth surfaces. No need for Self Cure Activator when Prime&Bond elect Adhesive is used with Calibra Ceram Cement. Agitate the applied adhesive for 20 seconds. **NOTE:** Phosphoric etching of available enamel is recommended, conditioning of dentin is optional.



3. DRY WITH CLEAN AIR

Gently dry with clean air for 5 seconds.



4. LIGHT CURE - 10 SECONDS

Special Instruction for use with light transmissible crowns only: Light curing of applied Prime&Bond elect Adhesive may be accomplished right after seating restoration with cement. See Step 9.



5. APPLY CALIBRA CERAM CEMENT

Dispense and discard a small amount of material from the dual-barreled syringe. Attach mixing tip. Apply a thin uniform layer of cement to the entire intaglio surface of the restoration.



6. SEAT RESTORATION

Protect restoration from contamination and movement until the final set of the cement (5 minutes from start of mix or completion of light curing).



OR



7A. CLEAN UP MARGINAL EXCESS - OPTIONAL DUAL CURE

Briefly light cure cement at the margins by constantly moving the curing tip around the margins for no more than 5 seconds. Excess cement will reach a "gelled" state after this brief (<5 second) cure. Excess cement will remain in the "gelled" state for approximately 45 seconds following light exposure. **NOTE:** For excess cement cleanup, monowave output LED lights with a single peak output around 470nm are recommended.

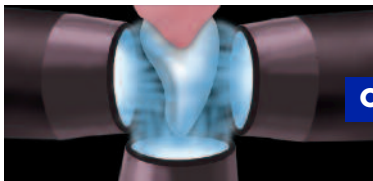
7B. CLEAN UP MARGINAL EXCESS - SELF CURE

Excess cement will reach the "gelled" state after approximately 1-2 minutes in the mouth, allowing easy removal. **NOTE:** Cement within the crown has not yet set. Do not move, torque, or disturb the crown during cleanup.



8. REMOVE EXCESS CEMENT

Protect restoration from movement during the gel phase cleanup through the final set.



OR



9A. LIGHT CURE FOR LIGHT TRANSMISSIBLE RESTORATIONS WITH < 2.5MM WALL THICKNESS

Once cleanup is complete, light cure all areas of the restoration for 20 seconds from each direction - buccal, lingual, and occlusal.

9B. SELF CURE AND DUAL CURE FOR NON-LIGHT TRANSMISSIBLE RESTORATIONS

For zirconia-based, metallic, thick or heavily opaqued ceramic or composite, once cleanup is completed and restoration is stabilized, allow Calibra Ceram Cement to self cure without disturbing for 5 minutes from start of mix. Following all excess removal, exposed margins may be light cured 20-40 seconds to assist restoration stabilization.



10. FINISH

Removal of resin cement flash and finishing of the margins is best accomplished with the Enhance® Finishing System (see complete Directions for Use).

*CLINICAL TIPS:

For Feldspathic Porcelain, Leucite-reinforced Ceramic, Lithium Disilicate Ceramic, Zirconia-reinforced Lithium Silicate: Etch the bonding surfaces with hydrofluoric acid and use Calibra® Silane Coupling Agent on intaglio. If the intaglio surface of the restoration designed to be silanated has been disturbed during try-in, apply Calibra Silane Coupling Agent following directions for use. Application of Prime&Bond elect Adhesive on the intaglio is not required after silanation.

For Zirconia-based Ceramic: Sandblast, use zirconia primer, if directed. Follow the dental laboratory or restoration manufacturer's instructions for pre-treatment.



For Dental Use Only



Caution, consult instructions for use



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