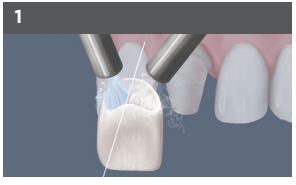
THE MAXIMUM STRENGTH ADHESIVE CEMENT

Immediate and long-term maximum bond strengths;
balanced system of strength and ease of use

Technique Guide

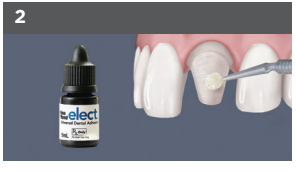
Calibra® Ceram
Adhesive Resin Cement

1



PRE-TREATMENT
Follow dental lab or restoration manufacturer's directions for pre-treatment of the intaglio surface of the restoration, if required.

2



Note: Phosphoric etching of available enamel recommended. Conditioning of dentin is optional.

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.

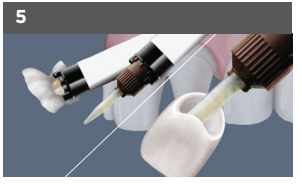
3

AIR DRY
Gently dry with clean air for 5 seconds.

4

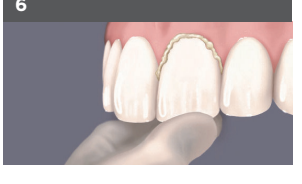
LIGHT CURE – 10 SECONDS
Special instruction for use with light transmissible crowns only: Light curing of applied Prime&Bond elect adhesive may be accomplished right after seating restoration with cement. See step 9.

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).

Calibra® Ceram
Adhesive Resin Cement

7a

CLEAN UP 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 per surface (buccal/oral). Excess cement will reach a "gelled" state after this brief cure. Excess cement will remain in the "gelled" state for approximately 45 seconds following light exposure.

-OR-

7b

CLEAN UP EXCESS – SELF CURE

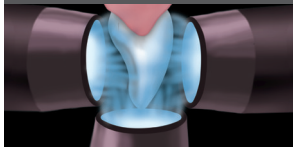
Excess cement will reach the "gelled" state after approximately 1-2 minutes in the mouth, allowing easy removal. *NOTE: Cement within the crown has not yet set. Do not move, torque, or disturb the crown during cleanup.*

8

REMOVE EXCESS CEMENT

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

9a



LIGHT CURE FOR LIGHT TRANSMISSIBLE RESTORATIONS

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

-OR-

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.

FINISH & POLISH
Removal of resin flash is best accomplished with the Enhance® Finishing System and polish using Enhance® PoGo® Polishing System (see complete Directions for Use).

Additional Technique 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.
- For Zirconia-based Ceramic: Sandblast, use zirconia primer, if directed. Follow the dental laboratory or restoration manufacturer's instructions for pre-treatment. If pre-treatment is needed, use manufacturer's recommended zirconia primer (if any) followed by Prime&Bond elect® Adhesive on the intaglio surface of the restoration.
- For light transmissible restorations, when used with Prime&Bond elect Adhesive, light curing of adhesive can be done after seating the crown.
- For excess cement cleanup, monowave output LED lights with a single peak output around 470nm are recommended. High power, dual or broad spectrum lights may cause premature hardening of excess cement. Check curing light effect on mixed cement in the laboratory prior to clinical use.

Choosing the right cementation solution is essential for restoration success. Using products that were designed to work together gives you the best chance to achieve success with every restoration.

Celtra® Duo
Zirconia-Reinforced Lithium Silicate (ZLS)

Calibra® Ceram
Adhesive Resin Cement

Count on the choice and control provided by Celtra Duo (ZLS), along with confidence of long-term restoration retention from Calibra Ceram cement. For high retention and bond strength coupled with simple steps and ease of use, the choice is clear.

CEREC® Zirconia
Translucent Zirconium Oxide Block

Calibra® Universal
Self-Adhesive Resin Cement

Benefit from easy-to-use application with no separate bonding agent. Together, Calibra Universal cement and CEREC Zirconia offer a simple solution for long-lasting success.

Cementation Tips

CEREC® Zirconia
Translucent Zirconium Oxide Block

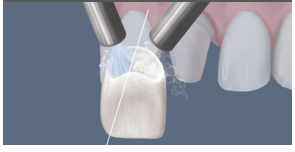
Celtra® Duo
Zirconia-Reinforced Lithium Silicate (ZLS)

Step	CEREC Zirconia	Celtra Duo (ZLS)
Try-In	• Try-In for crown fit • Clean with an ultrasonic or steam cleaner or with alcohol	• Try-In for crown fit and shade selection • Clean with an ultrasonic or steam cleaner or with alcohol
Pre-treatment	Sandblast	Use Hydrofluoric Acid
Prime	No need for zirconia primer	Use Calibra® Silane Coupling Agent
Bond	No need for an adhesive	Apply Prime&Bond elect® Adhesive (to tooth only)
Cement	• Use conventional cements or Calibra® Universal Cement. • For enhanced retention, use Calibra® Ceram Cement.	Use Calibra Ceram Cement. For Celtra Duo (ZLS) (fired) on retentive preparation Calibra Universal Cement may be used.

Cementation Technique with Calibra® Ceram Cement for Celtra Duo (ZLS)

Celtra® Duo
Zirconia-Reinforced
Lithium Silicate (ZLS)

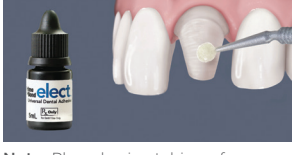
1



PRE-TREATMENT

Apply 5% hydrofluoric acid (follow Directions for Use) to intaglio only and allow to soak for 30 seconds. Dry thoroughly and apply Calibra Silane Coupling Agent and leave undisturbed for 60 seconds. Repeat application if layer has dried up. Evaporate solvent with a strong air stream.

2



Note: Phosphoric etching of available enamel recommended. Conditioning of dentin is optional.

APPLY ADHESIVE TO TOOTH

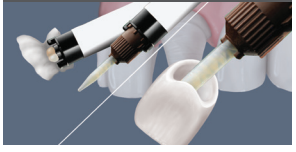
Apply generous amounts of Prime&Bond elect® adhesive to thoroughly wet all the tooth surfaces. No need for Self Cure Activator when Prime&Bond elect adhesive is used with Calibra Ceram cement. Agitate the applied adhesive for 20 seconds.

3

AIR DRY

Gently dry with clean air for 5 seconds. Light-cure adhesive for 10 seconds. Light curing of adhesive can also be done after seating for Celtra Duo (ZLS) or light transmissible restorations ≤ 2.5mm thick. See step 8.

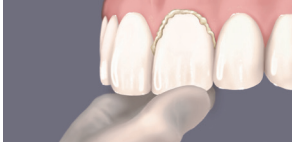
4



APPLY CALIBRA CERAM CEMENT

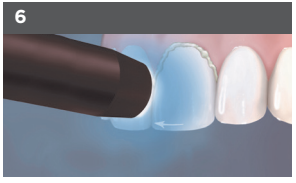
Dispense and discard a small amount of material from the dual-barreled syringe. Attach mixing tip. Apply a thin, uniform layer of cement to the entire intaglio surface of the restoration.

5



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).



CLEAN UP EXCESS

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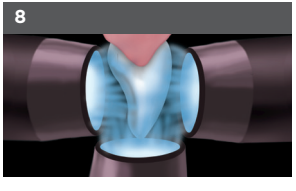
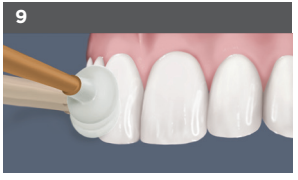
REMOVE EXCESS CEMENT

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



LIGHT CURE FOR LIGHT TRANSMISSIBLE RESTORATIONS

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

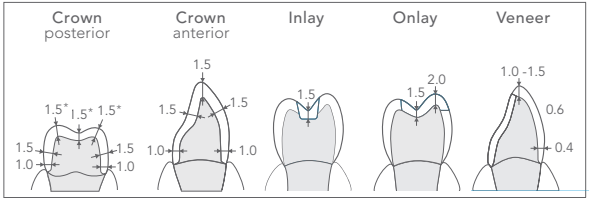


FINISH AND POLISH

Removal of resin flash is best accomplished with the Enhance® Finishing System and polish using Enhance PoGo® Polishing System (see complete Directions for Use).

Additional Technique Tips

- Minimal Wall Thickness



- Always follow restoration material's Directions for Use.
- For excess cement cleanup, monowave output LED lights with a single peak output around 470nm are recommended. High power, dual or broad spectrum lights may cause premature hardening of excess cement. Check curing light effect on mixed cement prior to clinical use.

Dentsply Sirona

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For Dental Use Only


Caution, consult instructions for use


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