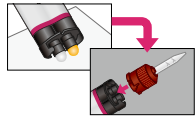


# G-CEM ONE™ TECHNIQUE GUIDE



Before placing the mixing tip, check the two openings of the syringe to ensure that the pastes are at same level or bleed a small amount of pastes to ensure even flow from the syringe.

## When to use G-CEM ONE ADHESIVE ENHANCING PRIMER (AEP) or G-Premio BOND? (ONLY for tooth/abutment: See opposite side for procedures.)



Retentive preparation	
Substrate of restoration	AEP or G-Premio BOND
Metal, Zirconia, Ceramics	Optional
Hybrid Ceramics, Composite	Mandatory ✓

Non-retentive preparation	
Substrate of restoration	AEP or G-Premio BOND
Metal, Zirconia, Ceramics	Mandatory ✓
Hybrid Ceramics, Composite	Mandatory ✓

## When to use G-Multi PRIMER? (ONLY for restoration)



Substrate of restoration	G-Multi PRIMER
Metal, Zirconia	Optional*
Ceramics, Fiber Post, Hybrid Ceramics, Composite	Mandatory ✓

\*G-CEM ONE cement contains MDP, so G-Multi PRIMER is optional for metal and zirconia.

## CEMENTATION TECHNIQUE for metal, ceramic, fiber post and cast post & cores

### When more adhesion is needed



1. Clean and rinse the post space, then thoroughly dry using paper points. **Do NOT use H<sub>2</sub>O<sub>2</sub> and/or EDTA** to chemically clean the post space.



2. When more adhesion is needed, apply **G-CEM ONE ADHESIVE ENHANCING PRIMER**, wait 10 seconds, and dry with **MAXIMUM** air pressure until the primer solution does not come out of the root canal entrance anymore. Remove excess primer solution with paper points. **Do NOT use G-Premio BOND in this case.**



3. Prepare the post/core according to the manufacturer's instructions.



4. Extrude the material directly into the post space. Insert the post immediately into the post space **within 1 minute after cement application.**



5. Continue to maintain moderate pressure making sure the post remains in place and remove excess cement.



6. While maintaining moderate pressure, light cure all surfaces / margins.



7. Let the material set for 4 minutes.

Irradiation time	G-CEM ONE
High power LED (more than 1200 mW/cm <sup>2</sup> )	10 seconds
Halogen / LED (700-1200 mW/cm <sup>2</sup> )	20 seconds

## CEMENTATION TECHNIQUE for inlays, onlays, crowns, bridges and veneers

### Tooth Preparation

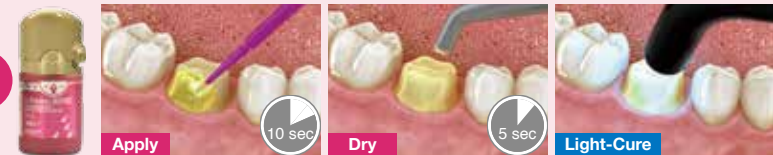


1. Clean, rinse and thoroughly dry the prepared tooth.\*



2A. Apply **G-CEM ONE ADHESIVE ENHANCING PRIMER**, wait 10 seconds, and dry with **MAXIMUM** air pressure for 5 seconds to prevent liquid pooling in the gingival sulcus\*\*. **Light-cure is NOT needed.**

When more adhesion is needed



2B. After **shaking the bottle**, apply **G-Premio BOND**, wait 10 seconds, and dry with **MAXIMUM** air pressure for 5 seconds to prevent liquid pooling in the gingival sulcus\*\* and **light-cure**. See the below table for the irradiation time.

\* In case of veneer or onlay cementation, etch enamel with 35-40% phosphoric acid for 10-15 seconds and carefully rinse off.

### Restoration Preparation



3. Prepare the restoration according to the manufacturer's instructions.



4. Place the mixing tip and extrude the material directly into the restoration.

### Cement Application



5. Seat immediately and maintain moderate pressure. Working time is 2 minutes 45 seconds at 23°C (which is reduced when **G-CEM ONE ADHESIVE ENHANCING PRIMER** is used).



6A. Tack cure by waving the light guide of a curing light over the excess cement **for 1 second** until it reaches a rubbery consistency.



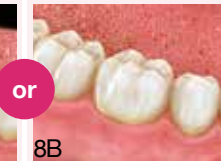
6B. Keep moderate pressure until it reaches a solid rubbery consistency.



7. Remove excess cement while maintaining moderate pressure.



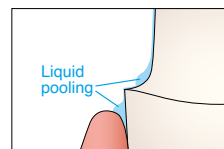
8A. While maintaining moderate pressure, light cure all surfaces/margins.



8B. Let the material set for 4 minutes in case restoration does not let the light to pass through.

Irradiation time	G-Premio BOND	G-CEM ONE
High power LED (more than 1200 mW/cm <sup>2</sup> )	5 seconds	10 seconds
Halogen / LED (700-1200 mW/cm <sup>2</sup> )	10 seconds	20 seconds

\*\* Liquid pooling in the gingival sulcus



► Find the step-by-steps for all your cementations on GC Luting Guide



Consult Instructions for Use

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