

REPAIR TECHNIQUE GUIDE

 Consult Instructions for Use



Prior to use, carefully read the instructions for use.

1. METAL-BASED INDIRECT RESTORATIONS

(precious and non-precious)



Without involvement of tooth structure p.1



With involvement of tooth structure p.2

2. INDIRECT RESTORATIONS MADE OF GLASS-CERAMICS, ZIRCONIA, ALUMINA & HYBRID CERAMICS (e.g. CERASMART270)



Without involvement of tooth structure p.3



With involvement of tooth structure p.4

3. COMPOSITE RESTORATIONS

(indirect and direct) p.5



Check out the GC Restorative Dentistry Guides!

INTRA-ORAL REPAIR OF METAL-BASED INDIRECT RESTORATIONS (precious and non-precious)

without involvement of tooth structure



1. Roughen the bonding surface with a coarse diamond bur. Rinse and dry.



2. Apply Ceramic Primer II or G-Multi PRIMER **only onto the ceramic surface** to be repaired. Dry.



3. Apply G-Premio BOND to all bonding surfaces. Wait 10 sec.



4. Dry **with maximum air pressure** for 5 sec.



5. Light cure following below guidelines.



6. Apply GRADIA PLUS Opaque or Essentia Masking Liner onto the metal surface and light cure each layer for 20 sec.



7. Build-up with composite (e.g. G-aenial or Essentia) and light-cure each layer.



8. Final result.

Light curing time of G-Premio BOND

	Distance from light guide tip	
	<10mm	>10mm
Light curing unit		
Halogen / LED (700 mW/cm ²)	10 sec.	20 sec.
High power LED (>1200 mW/cm ²)	5 sec.	10 sec.

INTRA-ORAL REPAIR OF METAL-BASED INDIRECT RESTORATIONS (precious and non-precious) with involvement of tooth structure



1. Roughen the bonding surface with a coarse diamond bur. Rinse and dry.



2. Apply Ceramic Primer II or G-Multi Primer **only onto the ceramic surface** to be repaired. Dry.



3. Apply G-Premio BOND to all bonding surfaces (including tooth structure). Wait 10 sec.



4. Dry **with maximum air pressure** for 5 sec.



5. Light cure following below guidelines.



6. Apply GRADIA PLUS Opaque or Essentia Masking Liner onto the metal surface and light cure each layer for 20 sec.



7. Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.



8. Final result.

Light curing time of G-Premio BOND

	Distance from light guide tip	
	<10mm	>10mm
Light curing unit		
Halogen / LED (700 mW/cm ²)	10 sec.	20 sec.
High power LED (>1200 mW/cm ²)	5 sec.	10 sec.

INTRA-ORAL REPAIR OF INDIRECT RESTORATIONS MADE OF GLASS-CERAMICS, ZIRCONIA, ALUMINA & HYBRID CERAMICS (e.g. CERASMART) *without involvement of tooth structure*



1. Roughen the bonding surface with a coarse diamond bur. Rinse and dry.



2. Apply Ceramic Primer II or G-Multi PRIMER **only** onto the surface to be repaired*. Dry.



3. Apply G-Premio BOND to all bonding surfaces. Wait 10 sec.



4. Dry **with maximum air pressure** for 5 sec.



5. Light cure following below guidelines.



6. Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.



7. Final result.

*In case of monolithic zirconia or alumina, the use of Ceramic Primer II or G-Multi PRIMER is not needed.

Light curing time of G-Premio BOND

	Distance from light guide tip	
Light curing unit	<10mm	>10mm
Halogen / LED (700 mW/cm ²)	10 sec.	20 sec.
High power LED (>1200 mW/cm ²)	5 sec.	10 sec.

INTRA-ORAL REPAIR OF INDIRECT RESTORATIONS MADE OF GLASS-CERAMICS, ZIRCONIA, ALUMINA & HYBRID CERAMICS (e.g. CERASMART270) *with involvement of tooth structure*



1. Roughen the bonding surface with a coarse diamond bur. Rinse and dry.



2. Apply Ceramic Primer II or G-Multi PRIMER **only** onto the restoration surface to be repaired*. Dry.



3. Apply G-Premio BOND to all bonding surfaces (including tooth structure). Wait 10 sec.



4. Dry **with maximum air pressure** for 5 sec.



5. Light cure following below guidelines.



6. Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.



7. Final result.

*In case of monolithic zirconia or alumina, the use of Ceramic Primer II or G-Multi PRIMER is not needed.

Light curing time of G-Premio BOND

	Distance from light guide tip	
Light curing unit	<10mm	>10mm
Halogen / LED (700 mW/cm ²)	10 sec.	20 sec.
High power LED (>1200 mW/cm ²)	5 sec.	10 sec.

INTRA-ORAL REPAIR OF COMPOSITE RESTORATIONS

without involvement of tooth structure



1. Roughen the bonding surface with a coarse diamond bur. Rinse and dry.



2. Apply G-Premio BOND to all bonding surfaces (including tooth structure). Wait 10 sec.



3. Dry **with maximum air pressure** for 5 sec.



4. Light cure following below guidelines.



5. Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.



6. Final result.

Light curing time of G-Premio BOND

Light curing unit	Distance from light guide tip	
	<10mm	>10mm
Halogen / LED (700 mW/cm ²)	10 sec.	20 sec.
High power LED (>1200 mW/cm ²)	5 sec.	10 sec.