

# GC REPAIR KIT Technique guide

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. CERASMART)



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 **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 onto the metal surface and light cure each layer for 20 sec.



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



8. Final result.

## Light curing time of G-Premio BOND

Light curing unit	Distance from light guide tip	
	<10mm	>10mm
Halogen / LED (700 mW/cm <sup>2</sup> )	10 sec.	20 sec.
High power LED (>1200 mW/cm <sup>2</sup> )	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 **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 onto the metal surface and light cure each layer for 20 sec.



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



8. Final result.

## Light curing time of G-Premio BOND

Light curing unit	Distance from light guide tip	
	<10mm	>10mm
Halogen / LED (700 mW/cm <sup>2</sup> )	10 sec.	20 sec.
High power LED (>1200 mW/cm <sup>2</sup> )	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 **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. Essentia or G-ænial) and light-cure each layer.



7. Final result.

\*In case of monolithic zirconia or alumina, the use of Ceramic Primer II 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 <sup>2</sup> )	10 sec.	20 sec.
High power LED (>1200 mW/cm <sup>2</sup> )	5 sec.	10 sec.

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



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



2. Apply Ceramic Primer II **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. Essentia or G-ænial) and light-cure each layer.



7. Final result.

\*In case of monolithic zirconia or alumina, the use of Ceramic Primer II is not needed.

## Light curing time of G-Premio BOND

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