### **REPAIR TECHNIQUE GUIDE**



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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

## ,'GC','







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



 Apply GRADIA PLUS Opaque or Essentia Masking Liner onto the metal surface and light cure each layer for 20 sec.  Apply Ceramic Primer II or G-Multi PRIMER only onto the ceramic surface to be repaired. Dry.



 Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.  Apply G-Premio BOND to all bonding surfaces. Wait 10 sec.



8. Final result.



4. Dry with maximum air pressure for 5 sec.



5. Light cure following below guidelines.

### Light curing time of G-Premio BOND

	Distance from light guide tip	
Light curing unit	<10mm	>10mm
Halogen / LED (700 mW/cm²)	10 sec.	20 sec.
High power LED (>1200 mW/cm²)	5 sec.	10 sec.

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

### ,'GC','



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



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



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



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



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



8. Final result.



4. Dry with maximum air pressure for 5 sec.



5. Light cure following below guidelines.

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	<b>c</b> anng			

	Distance from light guide tip	
Light curing unit	<10mm	>10mm
Halogen / LED (700 mW/cm²)	10 sec.	20 sec.
High power LED (>1200 mW/cm²)	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









10 sec.

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



 Build-up with composite (e.g. G-ænial or Essentia) and light-cure each layer.  Apply Ceramic Primer II or G-Multi PRIMER only onto the surface to be repaired\*. Dry.



- 7. Final result.
  - \*In case of monolothic zirconia or alumina, the use of Ceramic Primer II or G-Multi PRIMER is not needed.





4. Dry with maximum air pressure for 5 sec.



5. Light cure following below guidelines.

Light curing time of G-Premio	BOND
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	Distance from light guide tip		
Light curing unit	<10mm	>10mm	
Halogen / LED (700 mW/cm²)	10 sec.	20 sec.	
High power LED (>1200 mW/cm²)	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.



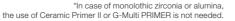
 Build-up with composite (e.g.G-ænial or Essentia) and light-cure each layer.



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



7. Final result.





 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.

Light curin	time of G-Premio BOND	

	Distance from light guide tip		
Light curing unit	<10mm	>10mm	
Halogen / LED (700 mW/cm²)	10 sec.	20 sec.	
High power LED (>1200 mW/cm²)	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.



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



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



6. Final result.



3. Dry with maximum air pressure for 5 sec.



4. Light cure following below guidelines.

	Distance from light guide tip		
Light curing unit	<10mm	>10mm	]_
Halogen / LED (700 mW/cm²)	10 sec.	20 sec.	- NY470 <sup>-</sup> 95
High power LED (>1200 mW/cm²)	5 sec.	10 sec.	951649 300006

Light curing time of G-Premio BOND

#### 5