



## G-Premio BOND

ONE COMPONENT LIGHT-CURED ADHESIVE

For use only by a dental professional in the recommended indications.

- INDICATIONS FOR USE**
- Direct bonding of light-cured composites and compomers to tooth structure
  - Bonding of dual-cure bond build-up composites to both structure as long as these materials are light-cured
  - Internal repair of ceramic based and zirconium/alumina-based restorations
  - Internal repair of ceramic restorations in combination with a ceramic repair cement
  - Treatment of hypersensitive teeth
  - Sealing of gingival preparation (or abutment) for indirect restorations

**CONTRAINDICATION**

Direct pulp capping

- Use of this product in patients with known allergies to methacrylate or cross-linking methacrylate polymer, or citric acid

**NOT TO BE USED**

- In combination with chemically cured composite resin
- In combination with adhesive containing materials as eugenol may hinder G-Premio BOND from setting or bonding properly
- In combination with desensitizers as desensitizers may hinder G-Premio BOND from setting or bonding properly

**DIRECTIONS FOR USE**

**BONDING PROCEDURE**

**1. CAVITY PREPARATION**

Use the following techniques. Make sure that the temporary material is thoroughly removed from the surface. Rub rubber dam for protection. Rinse and dry the prepared tooth surfaces by gently blowing with an air syringe.

Use a self-curing, use calcium hydroxide.

**2. TREATMENT OF TOOTH SURFACES**

Select one of the following 3 technique options:

- Self-etch technique
- Apply G-Premio BOND to bur-cut enamel and dentin, without a separate etching step.

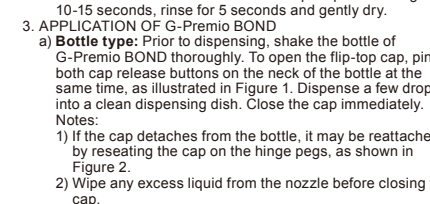
- Non-bur cut enamel should always be treated with a 35-40% phosphoric acid gel for 10 seconds, rinsed with water for 5 seconds and gently dried.
- Selective etching of enamel
  - Prior to applying G-Premio BOND to enamel and dentin, etch enamel only with 35-40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.
  - Prior to applying G-Premio BOND to enamel and dentin, etch enamel and dentin with 35-40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

**3. APPLICATION OF G-Premio BOND**

**a) Bottle type:** Prior to dispensing, shake the bottle of G-Premio BOND thoroughly. To open the pig cap, pinch both cap release buttons on the back of the bottle at the same time, as illustrated in Figure 1. Dispense a few drops into a clean dispensing dish. Use cap immediately.

**b) Unit dose type:** The cap of the bottle, if not reattached by resealing the cap on the hinge piece, as shown in Figure 2.

2) Wipe any excess liquid from the nozzle before placing the cap.



**Unit dose type:** Before opening unit dose capsule, ensure top of the capsule is facing up. Unscure cap counter-clockwise. Using the applicator provided, mix the liquid thoroughly for 10 seconds, making sure to agitate material using the applicator.

Note:

- Use of the unit dose is to be kept to open, use the other unit dose. Do not try to open the unit dose capsule with excessive force as this may cause the liquid inside to spill out.

**b) IMMEDIATELY:** Apply the prepared enamel and dentin surfaces using the disposable applicator.

**c) Leave undisturbed for 10 seconds after the end of application.** G-Premio BOND can provide sufficient bonding strength even when dried immediately after application without waiting time.

**d) Dry thoroughly for 5 seconds with a free air under unit dose pressure.** Use vacuum suction to prevent separation of the adhesive. The final result should be a thin adhesive film with a glossy surface and which does not visibly move under further air pressure.

**Notes:**

- When removing from refrigerator after long-term storage, allow G-Premio BOND to stand at room temperature for several minutes prior to use.

Apply G-Premio BOND immediately as the material contains a volatile solvent.

G-Premio BOND is a light-cured material. Protect the liquid from light after dispensing.

Remove excess material remaining on the tooth (other than the surfaces to be bonded) using a sponge or cotton pellet as residue material is hard to remove after light curing.

Should the applied material be contaminated with water, blood or saliva prior to light curing, wash and dry the tooth and repeat the procedure by re-applying material.

**LIGHT CURING**

Light cure using a visible light curing unit.

**Irradiation time:**

| Distance from tooth to light source | Distance from tooth to light source | Distance from tooth to light source |
|-------------------------------------|-------------------------------------|-------------------------------------|
| 10 mm                               | 10 mm                               | 10 mm                               |
| 10 mm                               | 10 mm                               | 10 mm                               |
| 10 mm                               | 10 mm                               | 10 mm                               |

**HAIGH (LED 700-1200 mW/cm²)**

| High power LED (max. 1200 mW/cm²) | 5 seconds  | 10 seconds |
|-----------------------------------|------------|------------|
| 5 seconds                         | 10 seconds | 10 seconds |

**Notes:**

- Light cure completely for an effective bonding strength. Lower light intensity may cause insufficient adhesion.
- Use a protective light shield or similar protective eye mask during light curing.

**5A. PLACEMENT OF LIGHT-CURED COMPOSITES AND COMPOSER**

After having light-cured the adhesive, follow the manufacturer's instructions for use in order to place, contour and light-cure the composite resin material of choice.

**5B. PLACEMENT OF DUAL-CURED COMPOSITES**

After having light-cured the adhesive, make sure to light-cure the dual-cure composite material adequately. Self-curing only will result in insufficient bonding strength.

**6. FINISHING**

Adjust restoration, finish and polish using standard techniques.

**REPAIR SUBSTITUTION**

**1. PREPARATION OF RESTORATION**

Remove the adhesive from the restoration with a diamond point. Use rubber dam for protection. Rinse and dry the prepared surface by blowing with an air syringe. If the restorative surface contains glass ceramics or ceramic based restorations, use a silane coupling agent such as CERAMIC PRIMER prior to application of G-Premio BOND.

**2. TREATMENT OF TOOTH SURFACES**

Select one of the following 3 technique options:

- Self-etch technique
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Non-bur cut enamel should always be treated with a 35-40% phosphoric acid gel for 10 seconds, rinsed with water for 5 seconds and gently dried.

**b) Selective etching of enamel**

Prior to applying G-Premio BOND to enamel and dentin, etch enamel only with 35-40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

**c) Total-etch technique**

Prior to applying G-Premio BOND to enamel and dentin, etch enamel and dentin with 35-40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

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**a) Bottle type:** Prior to dispensing, shake the bottle of G-Premio BOND thoroughly. Dispense a few drops into a clean dispensing dish. Replace bottle cap immediately.

**b) Unit dose type:** Unscure cap counter-clockwise. Use the applicator provided, mix the liquid thoroughly for 10 seconds, making sure to agitate material using the applicator.

**c) IMMEDIATELY:** Apply the prepared enamel and dentin surfaces using the disposable applicator.

**d) Leave undisturbed for 10 seconds after the end of application.** G-Premio BOND can provide sufficient bonding strength even when dried immediately after application without waiting time.

**e) Dry thoroughly for 5 seconds with a free air under unit dose pressure.** Use vacuum suction to prevent separation of the adhesive. The final result should be a thin adhesive film with a glossy surface and which does not visibly move under further air pressure.

**Notes:**

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Apply G-Premio BOND immediately as the material contains a volatile solvent.

G-Premio BOND is a light-cured material. Protect the liquid from light after dispensing.

Remove excess material remaining on the tooth (other than the surfaces to be bonded) using a sponge or cotton pellet as residue material is hard to remove after light curing.

Should the applied material be contaminated with water, blood or saliva prior to light curing, wash and dry the tooth and repeat the procedure by re-applying material.

**LIGHT CURING**

Light cure using a visible light curing unit. Refer to the BONDING PROCEDURE.

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