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BOND WITH NO BOUNDARIES
G-Premio BOND



The world's most clinically successful adhesive is now even better! Introducing G-Premio BOND.

G-BOND has proven to be the world's most clinically successful adhesive with an annual failure rate of just 1.3 restorations per 100 restorations placed.

This clinical success clearly endorses G-BOND's formulation – designed for **durability through chemical bonding**, using a more hydrophobic, **non-HEMA containing** self-adhesive resin.

New G-Premio BOND is a no compromise, one-component, light-cured universal adhesive that delivers a bonding experience like no other. It offers outstanding performance in all etching modes and all clinical situations.

TOP 10 BONDING AGENTS

	Adhesive (manufacturer)	Annual Failure Rate	Number of clinical trials
1	G-BOND (GC)	1.3	7
2	Adper Scotchbond 1 XT (3M ESPE) [#]	1.4	5
3	Optibond FL (Kerr) [#]	1.8	6
4	Clearfil SE Bond (Kuraray Noritake) [#]	2.2	12
5	Clearfil Liner Bond (Kuraray Noritake) [#]	2.2	3
6	Adper Prompt L-Pop (3M ESPE) [#]	2.3	7
7	Clearfil S3 Bond (Kuraray Noritake) [#]	2.6	7
8	Adper Easy Bond (3M ESPE) [#]	3.2	3
9	XPBond (Dentsply DeTrey) [#]	3.5	5
10	Adhese (Ivoclar Vivadent) [#]	3.6	3

Ranking is based on average annual failure rate (AFR) reported from a minimum of 3 independent clinical trials** for adhesive performance in non carious cervical lesions (NCCL).

[#] Not trademarks of GC Corporation; ^{**} Clinical effectiveness of contemporary adhesives for the restoration of non-carious cervical lesions. A systematic review. M. Peumans, J. De Munck, A. Mine, B. Van Meerbeek. Dental Materials 30 (2014) 1089-1103



RATINGS:

Excellent + + + + +
 Very Good + + + +
 Good + + +



Enjoy a premium bonding experience like no other!

Universal etching modes



Self-etch

Selective-etch

Total-etch

Universal indications



Direct bonding*

Repair cases*

Hypersensitivity treatment**

* Dr S. Koide, Japan ** Dr E. Sauji, Japan

Universal acclaim

“ *Brilliant bottle design.* ”

“ *Fast and simple, no rubbing or complex application procedures.* ”

“ *Chemically bonds within the first few seconds of application.* ”

“ *Visible during application, invisible after light-curing.* ”

“ *Wets the tooth just like water.* ”

“ *Perfect margins.* ”

“ *No patient discomfort.* ”

Premium bonding with G-Premio BOND

Premium performance in any clinical setting

- An easy and forgiving application procedure with **minimal opportunity for handling errors**
- **Immediate chemical bonding**, so even a shortened application time will deliver high bond strengths **without needing to rub** the surface.
- The drying step is **highly reproducible**: 5 seconds, MAXIMUM air pressure
- A higher content of photo-initiator gives **more efficient light-curing**
- The fast, 25 sec self-etch application and chemical adhesion is **perfect for paediatric bonding or clinical cases where moisture control is challenging**
- Its yellow colour prior to light-curing gives **visual control of application**
- **Stable formulation** with a 2-year shelf life and **no refrigeration required**



Yellow on application



Invisible after light-curing

Dr S. Köken, Turkey

Premium adhesive bond strengths

- **Exceptional bond strengths** to enamel and dentine, regardless of the etching mode
- **4-MET, MDP and MDTP** universalise its bonding capabilities, providing strong adhesion to: GIC, metals (including precious), composites, zirconia and alumina
- Combines with Ceramic Primer II for **optimum adhesion** to glass ceramics





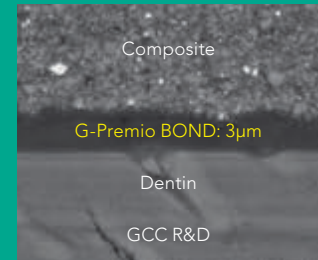
Premium comfort for your patients

- Applies like no other bond, with **exceptional wetting characteristics**
- Has an **innate ability to penetrate** and form an immediate chemical bond
- **Eliminates patient discomfort**
- Treatment option for **cervical hypersensitivity**



Premium margin aesthetics

- Forms an ultra-thin, **hydrophobic bond layer** to deliver invisible margins
- All water is removed from the bond layer during air drying, to ensure bond durability and a **very low 3µm film thickness**.
- Smart filler technology produces a **high filler density** in a fluid consistency bond
- Enhanced photo-initiators ensure a **stronger bond layer** after light-curing
- **HEMA-free**



Premium value

- Unique silicon bottle gives **total control** over dispensing
- A thin nozzle design minimises material wastage and guarantees **up to 300 applications per 5ml bottle**



G-Premio BOND direct bonding technique

A simple application technique with immediate adhesion and high bond strengths provides an ideal platform for clinical success in direct bonding procedures.



1. Select preferred technique. Etch for 10-15s, rinse & dry.



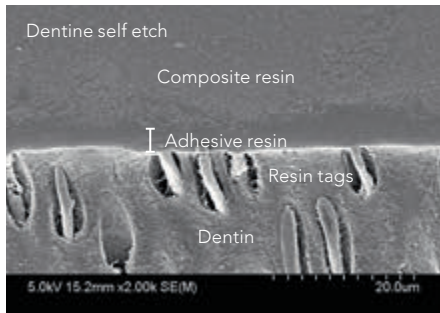
2. Apply **G-Premio BOND** and wait for 10sec.



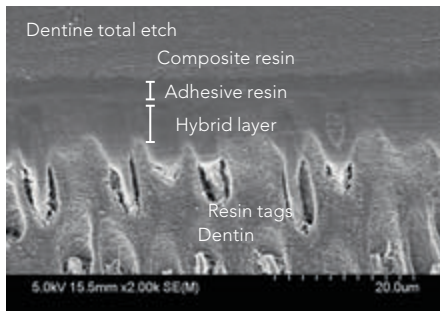
3. Dry for 5sec at **MAX** air pressure.



4. Light-cure for 10sec.



In self-etch mode, G-Premio BOND forms a 500nm-deep nano interaction zone (NIZ)



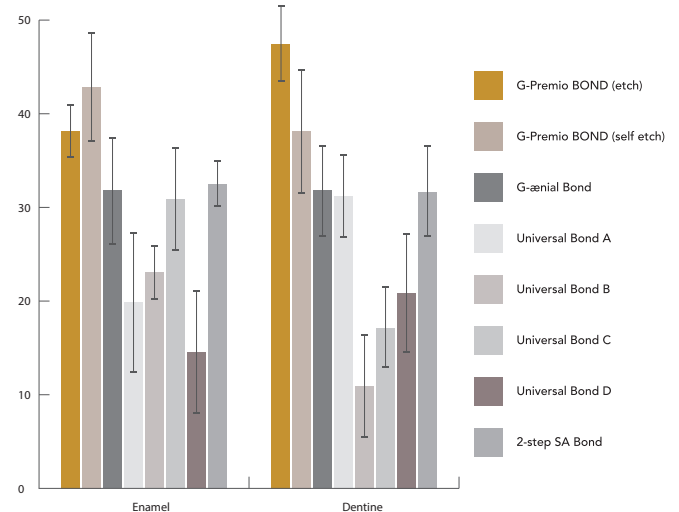
In total etch mode, a uniform hybrid layer is formed.

For best results, dry moderately using an air syringe.

Do not over-dry as this could collapse the collagen fibres.

Do not use a wet bonding technique.

Shear bond strength (MPa) to enamel and dentine in self-etch mode, after thermocycling (20,000 cycles)



Source: GCC R&D



G-Premio BOND repair application technique

G-Premio BOND enables excellent adhesion to all substrates after thermocycling, recognising that the use of a separate primer (Ceramic Primer) together with G-Premio BOND is essential on glass ceramics to ensure durable adhesion.



1. Roughen the surface; Rinse and dry.



2. If there is a glass ceramic surface, apply **Ceramic Primer** and dry.



3. Apply **G-Premio BOND** to all surfaces to be repaired and leave for 10sec.



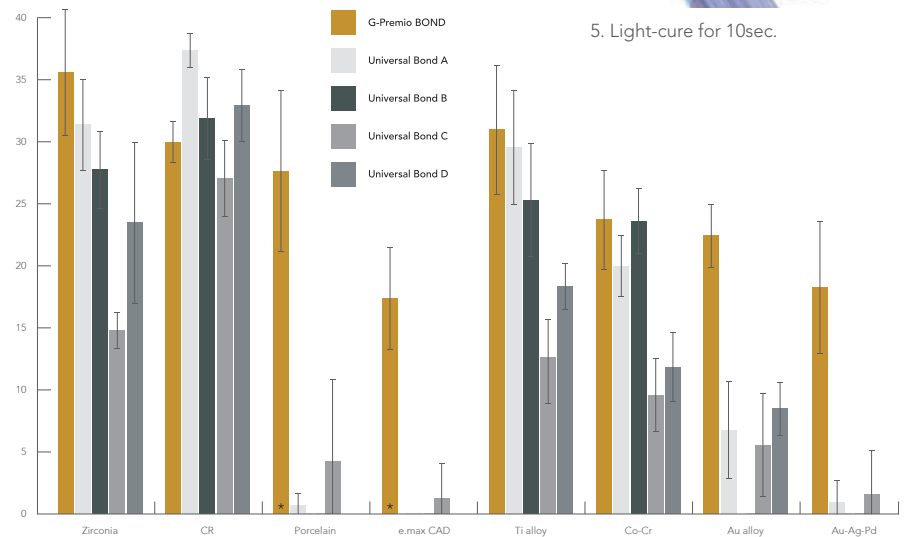
4. Dry for 5sec at **MAX** air pressure.



5. Light-cure for 10sec.

CERAMIC PRIMER features GC's advanced silane and proven phosphoric acid ester monomer technologies in an innovative single bottle delivery, formulated for stability and durable adhesion. It has a 2-year shelf life and does not require refrigeration.

Shear bond strength (MPa) to polished indirect substrates after thermocycling (5,000 cycles)



Source: GCC R&D; * Used in combination with Ceramic Primer

G-Premio BOND Refill

5mL liquid (1)



G-Premio BOND 3-bottle Pack

5mL liquid (3)



'GC'
95th
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