CLEARFIL™ SE BOND 2

Dental Universal Self-Etch Adhesive

Flow Chart Sheet

CE 0197

See Instructions for Use

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001 1561R987R

INDICATIONS

CASE

[1] Direct restorations using light-cured composite resin → **Direct restorations**

[2] Cavity sealing as a pretreatment for indirect restorations*

[3] Treatment of exposed root surfaces*

[4] Treatment of hypersensitive teeth*

[5] Intraoral repairs of fractured restorations → **Intraoral repairs**

[6] Post cementation using a dual- or self-cured composite resin*

[7] Core build-ups using a light-, dual- or self-cured core material*

[8] Cementing inlays, onlays, crowns, bridges and veneers using a composite resin cement → **Cementing**

*Please refer to the IFU for [2], [3], [4], [6] and [7] of Indications.

Table : Dental curing unit and curing time

Type	Light source	Light Intensity	Light-curing time
Halogen	Halogen lamp	More than 400 mW/cm^2	10 seconds
LED	Blue LED*	800-1400 mW/cm^2	10 seconds
		More than 1500 mW/cm^2	5 seconds

The effective wavelength range of each dental curing unit must be 400-515 nm.
*Peak of emission spectrum: 450-480 nm

Cementing

inlays, onlays, crowns, bridges and veneers using a composite resin cement

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Clean and dry the tooth surface, and then trial fit the prosthetic restoration

1 Surface preparation of prosthetic restorations

For Silica-based Ceramics

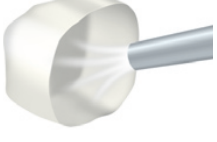
Apply a hydrofluoric acid or phosphoric acid, wash and dry

Hydrofluoric acid or

Apply the mixture of the PRIMER and CLEARFIL PORCELAIN BOND ACTIVATOR and dry with mild air

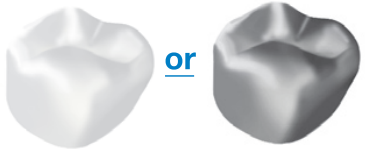
For Composite Resins

Blast with alumina powder, then ultrasonic clean and dry



Apply a phosphoric acid, wash and dry

For Metal Oxides (e.g. Zirconia) or Metals*



or

Apply PRIMER and dry with mild air

*When precious metal is used, apply ALLOY PRIMER after roughening.

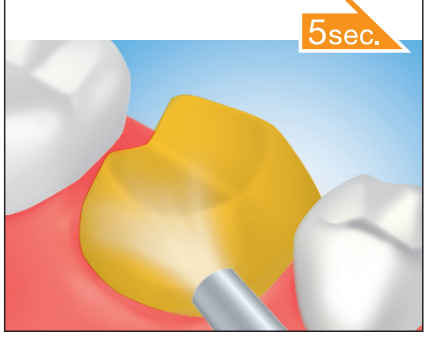
2 Apply PRIMER*

*Before applying PRIMER, selective enamel etch by phosphoric acid is an option.

3 Dry with mild air

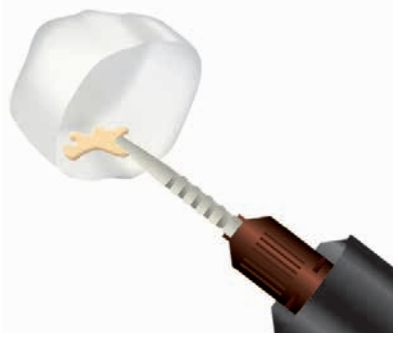
4 Apply the mixture of BOND and CLEARFIL DC Activator

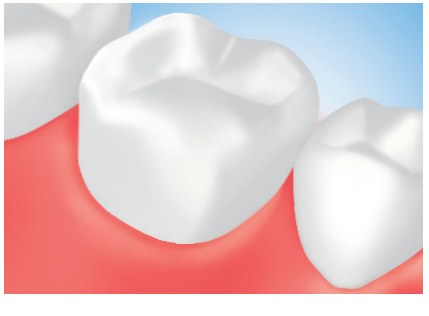
5 Dry with mild air*



*Light-curing the mixture is an option for optimum performance.

6 Cement using a resin cement





Intraoral repairs
of fractured restorations

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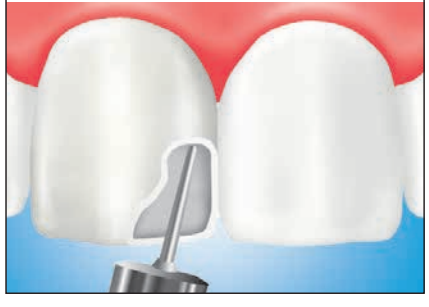
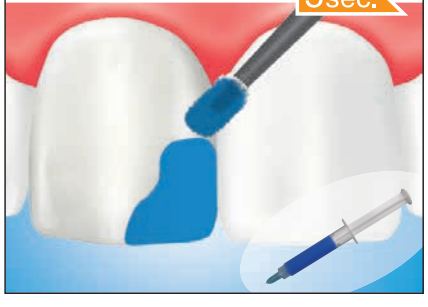
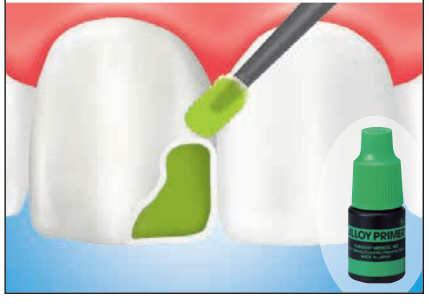
1 Roughen, wash and air dry



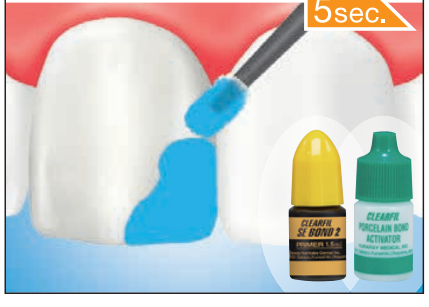
2 Apply a phosphoric acid, wash and dry



3 When precious metal is used, apply ALLOY PRIMER



4 Apply the mixture of PRIMER and CLEARFIL PORCELAIN BOND ACTIVATOR



5 Dry with mild air

6 Apply BOND and make a uniform bond film using a gentle air flow

7 Light-cure*

*Refer to the table for light-curing time.

8 Place composite resin*, light-cure and finish

*Use an opaque resin (e.g. CLEARFIL ST OPAQUER) to mask metal color.

Direct restorations

using light-cured composite resin

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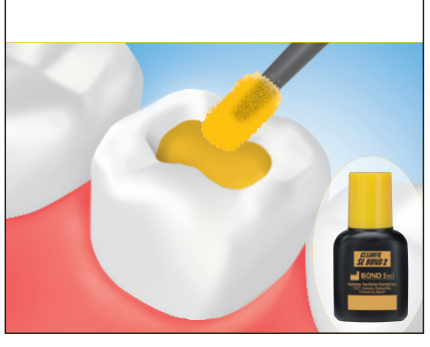
Follow the standard procedures for isolation, moisture control, cavity preparation and pulp protection

1 Apply PRIMER*

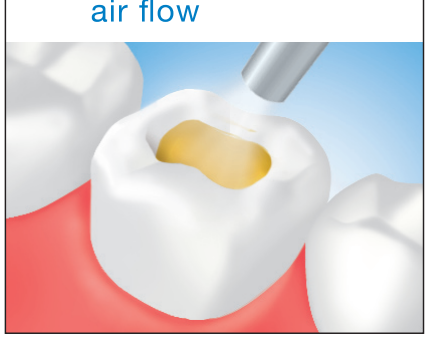
*Before applying PRIMER, selective enamel etch by phosphoric acid is an option.

2 Dry with mild air

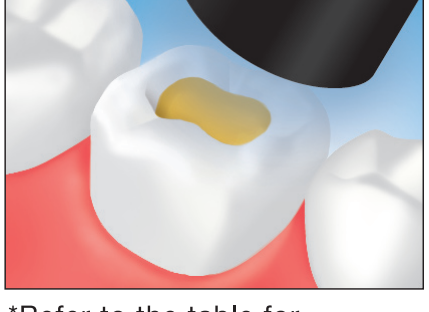
3 Apply BOND



4 Make a uniform bond film using a gentle air flow



5 Light-cure*



*Refer to the table for light-curing time.

6 Place composite resin