



Tokuyama **Universal Bond II**

ESTECM II PLUS



Flowchart

- Cementation of Indirect restorations
- Cementation of cores
- Cementation of glass-fiber post
- Direct restorations
- Intraoral repair of restorations with composite resin

MIX. APPLY. AIR-DRY. THAT'S IT!

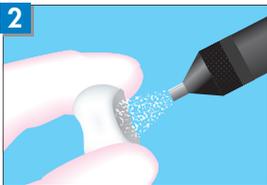
This is not clinical procedure guide.
Read instructions for use and clinical procedure guides before operation.

Restoration pre-treatment overview

Restoration preparation



Tooth Preparation



Restoration Preparation

- **Ceramics other than porcelain, and composite materials**
Roughen the interior of the restoration by sandblasting (0.1 to 0.2MPa), air abrasion or grinding with a diamond bur using a slow speed to prepare the surface for adhesion.
- **Porcelain**
DO NOT roughen the surface; Prepare the interior of the restoration, providing a clean and fresh surface for adhesion.
- **Metal restorations**
Roughen the area by sandblasting (0.3 to 0.5MPa), air abrasion or grinding with a diamond bur using a slow speed to prepare the surface for adhesion.



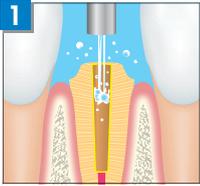
Thoroughly rinse



Air dry

Restoration pre-treatment overview

Cores(resin/metal) preparation



1 Tooth Preparation



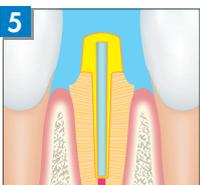
2 Restoration Preparation



3 Thoroughly rinse



4 Air dry



5 Try



6 Etching

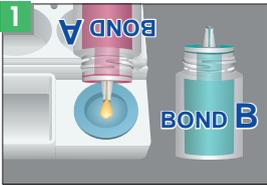


7 Thoroughly rinse

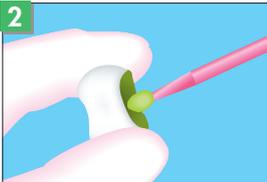


8 Air dry

Cementation of Indirect restorations Crown, Bridge, Inlay, Onlay and Veneer (metals/alloys/glass/porcelain/zirconia/alumina/composite materials)

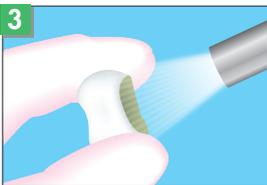


Dispense and Mix



Apply the mixed BOND

No Need to Wait



Dry with mild air

No Need to Light-Cure



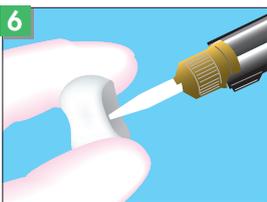
Apply the mixed BOND

No Need to Wait



Dry with weak to mild air

No Need to Light-Cure



Apply the mixed PASTE



Removal of the excess PASTE

● **When using the light-cure method:**

Light-cure the excess PASTE with a dental curing light for 2 to 4 seconds and remove the gel state of the excess PASTE.

● **When using the self-cure method:**

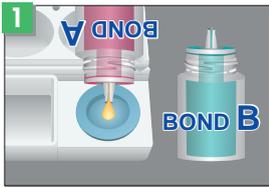
Remove the gel state of the excess PASTE within 1 to 3.5 minutes after seating.



Final PASTE hardening by light curing

MIX. APPLY. AIR-DRY. THAT'S IT!

Cementation of cores (metal or resin cores)

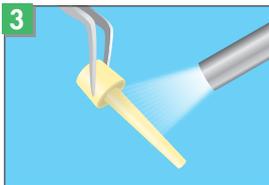


Dispense and Mix



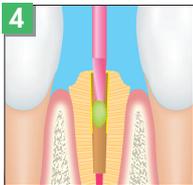
Apply the mixed BOND

No Need to Wait



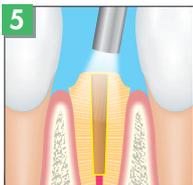
Dry with mild air

No Need to Light-Cure



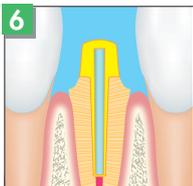
Apply the mixed BOND

No Need to Wait



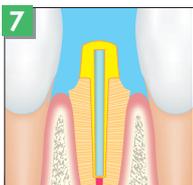
Dry with weak to mild air

No Need to Light-Cure



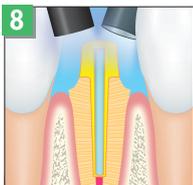
Apply the mixed PASTE and place the restoration

If the PASTE is applied directly into the cavity, place the core or post into the cavity within 30 seconds after application of the PASTE.



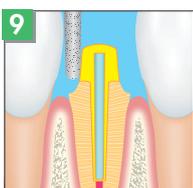
Removal of the excess PASTE

- **When using the light-cure method:**
Light-cure the excess PASTE with a dental curing light for 2 to 4 seconds and remove the gel state of the excess PASTE.
- **When using the self-cure method:**
Remove the gel state of the excess PASTE within 1 to 3.5 minutes after seating.



Final PASTE harden by light-curing for 20 seconds or more

- **In case of non translucent restoration materials such as metal.**
Light-cure along margins for 20 seconds or more, then allow the PASTE to set for 8 minutes.



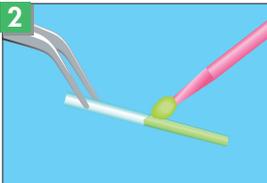
Abutment tooth formation

MIX. APPLY. AIR-DRY. THAT'S IT!

Cementation of glass-fiber post



Dispense and Mix



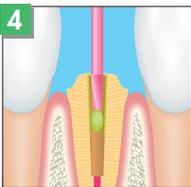
Apply the mixed BOND

No Need to Wait



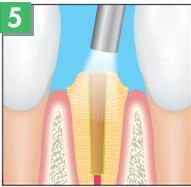
Dry with mild air

No Need to Light-Cure



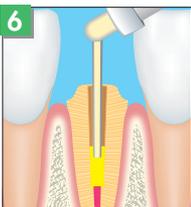
Apply the mixed BOND

No Need to Wait



Dry with weak to mild air

No Need to Light-Cure



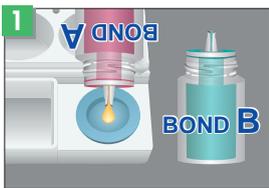
Place core build-up materials, place post

If the PASTE is applied directly into the cavity, place the core or post into the cavity within 30 seconds after application of the PASTE.



MIX. APPLY. AIR-DRY. THAT'S IT!

Direct restorations

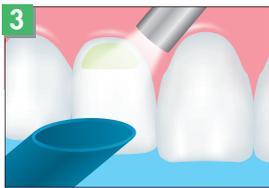


Dispense and Mix



Apply the mixed BOND

No Need to Wait



Dry with weak to mild air

No Need to Light-Cure



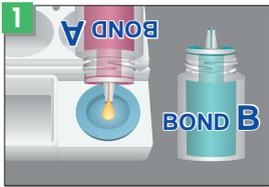
Restore with CR



Polishing

MIX. APPLY. AIR-DRY. THAT'S IT!

Intraoral repair of restorations with composite resin



Dispense and Mix



Apply the mixed BOND

No Need to Wait



Dry with weak to mild air

No Need to Light-Cure



Restore with CR



Polishing

MIX. APPLY. AIR-DRY. THAT'S IT!