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DENTAL ADHESIVE RESIN CEMENT SYSTEM

PANAVIA™ Veneer LC

CE 0197

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Cementation of Laminate Veneers

Silica-Based Ceramics

Clean and dry the tooth surface in the usual manner.

1 As necessary, trial fit the Laminate Veneer using PANAVIA V5 Try-in Paste, wash and remove.

2 ① Apply hydrofluoric acid (HF), then rinse and dry.
② Apply CLEARFIL CERAMIC PRIMER PLUS and dry.

3 Apply phosphoric acid (K-ETCHANT Syringe) to the enamel, leave for 10sec., rinse and dry.

4 Choose either A or B

A. PANAVIA V5 Tooth Primer
Apply PANAVIA V5 Tooth Primer, leave for 20 sec. and thoroughly dry with mild air.

B. CLEARFIL Universal Bond Quick
Apply CLEARFIL Universal Bond Quick with rubbing motion. No waiting time. Then dry thoroughly until bond does not move (more than 5 sec.).

5 Dispense cement and place the Laminate Veneer.

No need to light-cure

6 Remove the excess cement using either method.

A. Tack-cure Clean-Up
① Tack-cure for only 1 sec.
② Remove with a dental explorer.

B. Wet Clean-up
Remove with a dental instrument.

7 Light-cure each area and margins. Refer to table. Then finish the restoration.

Table: Light-curing time of each Restoration type

| Restoration type and shade | | Maximum restoration thickness | Type of curing light (Light intensity) | | |
|--|-------------------------------------|-------------------------------|---|--|---|
| | | | High-intensity BLUE LED ($\geq 1500 \text{ mW/cm}^2$) | BLUE LED (1000~1400 mW/cm^2) | Halogen lamp ($\geq 400 \text{ mW/cm}^2$) |
| Laminate veneer | | | | | |
| Silica-based ceramic (e.g. conventional porcelain, lithium disilicate) | BL shades, A1, A2, A3, A3.5, B1, B2 | 2.0 mm | Three times for 3 sec. or Twice for 5 sec. | 10 sec. | 20 sec. |
| | Other shades | | | 20 sec. | |
| Hybrid ceramic, composite resin | All shades | 1.2 mm | | | |
| KATANA Zirconia STML/UTML/YML, KATANA Zirconia Block STML | | | | | |

Cementation of Inlays/Onlays

Composite Resin

Note: Confirm the restoration thickness (<2mm)

Clean and dry the tooth surface in the usual manner.

1 As necessary, trial fit the Inlay/Onlay using PANAVIA V5 Try-in Paste, wash and remove.



2 Air abrade with alumina powder, then clean with ultrasonic cleaning.




3 Apply CLEARFIL CERAMIC PRIMER PLUS and dry.



4 Choose either A or B

A. PANAVIA V5 Tooth Primer
Apply PANAVIA V5 Tooth Primer, leave for 20 sec. and thoroughly dry with mild air.




B. CLEARFIL Universal Bond Quick


① Tooth Pretreatment
Choose either etching procedure.

a. Self-etching
(Move to section ②)

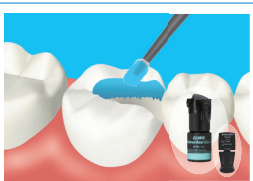
b. Selective-etching
Apply K-ETCHANT Syringe to the uncut and/or cut enamel, then rinse and dry.




c. Total-etching
Apply K-ETCHANT Syringe to the entire cavity (enamel and dentin), then rinse and dry.




② Apply CLEARFIL Universal Bond Quick with rubbing motion. No waiting time. Then dry thoroughly until bond does not move (more than 5 sec.).



③ Light-cure the bond. Refer to table 1.




5 Dispense cement and place the Inlay/Onlay.



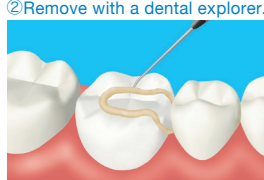
6 Remove the excess cement using either method.

A. Tack-cure Clean-Up

① Tack-cure for only 1 sec.




② Remove with a dental explorer.



B. Wet Clean-up

Remove with a dental instrument.



7 Light-cure each area and margins. Refer to table 2. Then finish the restoration.




Table 1: Light-curing time of each light source (For CLEARFIL Universal Bond Quick)

| Type of light source (Light intensity) | Curing time |
|---|-------------|
| High-intensity BLUE LED* (More than 1500 mW/cm ²) | 5 sec. |
| BLUE LED* (800-1400 mW/cm ²) | 10 sec. |
| Halogen lamp (More than 400 mW/cm ²) | 10 sec. |

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

Table 2: Light-curing time of each Restoration type (For PANAVIA Veneer LC Paste)

| Restoration type and shade | Maximum restoration thickness | Type of curing light (Light intensity) | | | |
|---|-------------------------------|--|--|--|---------|
| | | High-intensity BLUE LED (≥ 1500 mW/cm ²) | BLUE LED (1000~1400 mW/cm ²) | Halogen lamp (≥ 400 mW/cm ²) | |
| Inlays, onlays | | | | | |
| Silica-based ceramic, hybrid ceramic, composite resin KATANA Zirconia STML/UTML, KATANA Zirconia Block STML | All shades | 2.0 mm | Three times for 3 sec. or Twice for 5 sec. | 10 sec. | 20 sec. |
| | | 1.2 mm | | | |