

## Clearfil Universal Bond Quick



Introduced  
November 2016

**MDP and AMIDE** chemistry rapidly permeates dentin and enamel eliminating waiting time plus producing bond strengths equal to **CLEARFIL SE BOND 2**.

- 3-5 second application time
- Self-etching with no waiting time
- No post-operative sensitivity
- Less technique sensitivity
- Film thickness: 5-10µm
- Low water absorption
- Allows for ALL etching techniques: (Self-etch, Selective-etch & Total-etch)
- CR Choice (Clinicians Report May 2018)
- #1 Rated Universal Bond (Reality Now)
- 5 Star, Editor's CHOICE (Dental Advisor)

## Panavia SA Cement Universal



Introduced  
August 2019



Automix & Handmix

**PANAVIA SA Cement Universal** contains the unique **LCSi** monomer that delivers a strong and durable chemical bond to porcelain, lithium disilicate and composite resins without the need for a silane step. **PANAVIA SA Cement Universal** also contains the original **MDP** monomer that will chemically bond to zirconia and metal without any separate primers.

- Room temperature storage (up to 77°)
- Easy application
- Easy excess cement removal
- Radiopaque
- Film thickness: approx. 16µm
- No restoration primers required
- Shades: Universal/A2, Translucent, White

## Clearfil Universal Bond Quick Cheat Sheet

### Direct Restoration Using Light-cured Composite



#### TOOTH PREPARATION:

- 1 Choose Etching Technique  
**a.** Self-etch (go to step 2)  
**b.** Selective-etch (10sec)  
**c.** Total-etch (10sec)  
Rinse and dry for **b & c**
- 2 Apply Clearfil UBQ with a rubbing motion 3-5 seconds. No waiting time after application.
- 3 Air dry 5 seconds.
- 4 Light-cure for 10 seconds.

#### COMPOSITE PLACEMENT:

- 5 Place flowable composite (Clearfil Majesty Flow) on gingival floor, light-cure for 10 seconds. Continue with light-curing 2mm increments of flowable till desired fill.
- 6 Place sculptable composite (Clearfil Majesty ES-2) light-cure for 10 seconds.
- 7 Finish & Polish.



#### Clearfil DC Activator

For use with other brands of dual-cured cement, composite or build-up material. Mix Clearfil UBQ and Clearfil DC Activator then follow standard procedure.



#### Alloy Primer

Apply Alloy Primer to sand-blasted gold to enhance bond strength.



#### Katana Cleaner

Universal cleaner for all restoration types and safe to be used intra-orally. To be used after try-in to restore the restorations clean surface by removing blood and saliva contamination.

### Direct Restoration Using Bulk EZ (Directed Shrinkage)



#### TOOTH PREPARATION:

- 1 Choose Etching Technique  
**a.** Self-etch (go to step 2)  
**b.** Selective-etch (10sec)  
**c.** Total-etch (10sec)  
Rinse and dry for **b & c**
- 2 Apply Clearfil UBQ with a rubbing motion 3-5 seconds. No waiting time after application.
- 3 Air dry for 5 seconds.
- 4 Light-cure for 10 seconds.

#### COMPOSITE PLACEMENT:

- 5 Start by placing Bulk EZ in the deepest part of the box keeping the tip moving and embedded till the restoration is filled.
- 6 Allow the Bulk EZ to self-cure for 90 seconds from start of fill.
- 7 Light-cure for 10 seconds.
- 8 Finish & Polish.
- 9 **Capping Bulk EZ:** Fill restoration to desired height. Wait the 90 seconds, **do not light-cure**, then proceed to cap with your favorite sculptable composite (Majesty, AP-X, Estelite, ZNano...)

## Simplicity and Reliability of Clearfil Universal Bond Quick with Panavia SA Cement Universal

### Indirect Restoration Zirconia, Metal, Composite Panavia SAC Universal



#### SURFACE PREPARATION:

- 1a After try-in Sandblast restoration using 50 micron aluminum oxide in a MicroEtcher. Blow with air.
  - 1b After try-in clean restoration with **Katana Cleaner**.
- ! **No primers required.** See Info on Panavia SACU. See **Alloy Primer** for Gold.

#### TOOTH PREPARATION:

- 1 For composite or metal abutment sandblast or **Katana Cleaner**. Skip to step 5.
- 2 Choose Etching Technique  
**a.** Self-etch (go to step 3)  
**b.** Selective-etch (10sec)  
**c.** Total-etch (10sec)  
Rinse and dry for **b & c**
- 3 Apply Clearfil UBQ with a rubbing motion 3-5 seconds. No waiting time after application.
- 4 Air dry for 5 seconds.

#### CEMENTATION:

- 5 Place Panavia SACU in the restoration and seat.
- 6 Tack-cure for 2 to 5 seconds or let chemical-cure for 2-4 minutes, then remove the excess cement.
- 7 Maintain isolation for 5 min.
- 8 For a translucent restoration light-cure for 10 seconds around margin.

### Indirect Restoration Lithium Disilicate (eMax) Panavia SAC Universal



#### SURFACE PREPARATION:

- 1a After try-in apply 5% HF Acid for 20 seconds. Wash and dry.
  - 1b After try-in clean restoration with **Katana Cleaner** if already HF etched from lab.
- ! Silane application is **not required**. Panavia SACU contains silane.

#### TOOTH PREPARATION:

- 1 For composite or metal abutment sandblast or **Katana Cleaner**. Skip to step 5.
- 2 Choose Etching Technique  
**a.** Self-etch (go to step 3)  
**b.** Selective-etch (10sec)  
**c.** Total-etch (10sec)  
Rinse and dry for **b & c**
- 3 Apply Clearfil UBQ with a rubbing motion 3-5 seconds. No waiting time after application.
- 4 Air dry for 5 seconds.

#### CEMENTATION:

- 5 Place Panavia SACU in the restoration and seat.
- 6 Tack-cure for 2 to 5 seconds or let chemical-cure for 2-4 minutes, then remove the excess cement.
- 7 Maintain isolation for 5 min.
- 8 For a translucent restoration light-cure for 10 seconds around margin.

### Core Build-up Using Clearfil DC Core PLUS



#### POST PRETREATMENT: (no post, skip to step 3)

- 1a **Glass Fiber Post:** Phosphoric acid (5sec) rinse and dry.  
**Metal Post:** Sandblast using 50 micron aluminum oxide in a MicroEtcher. Blow with air.
- 1b After try-in clean posts with **Katana Cleaner**.
- 2 Apply Clearfil UBQ to post then air dry for 5sec.

#### TOOTH PREPARATION:

- 3 Choose Etching Technique  
**a.** Self-etch (go to step 4)  
**b.** Selective-etch (10sec)  
**c.** Total-etch (10sec)  
Rinse and dry for **b & c**
- 4 Apply Clearfil UBQ to the post space and prepared tooth with a rubbing motion 3-5 seconds. No waiting time after application.
- 5 Air dry for 5 sec. Light-cure 10 sec.

#### POST CEMENTATION: (no post, skip to step 10)

- 7 Inject Clearfil DC Core PLUS in canal.
- 8 Insert the post into the canal.
- 9 Light-cure for 10 seconds.

#### CORE BUILD-UP:

- 10 Place Clearfil DC Core PLUS, a matrix can be used to stabilize the paste or tack cure for 5 seconds.
- 11 Light-cure for 20 seconds both lingual and buccal sides. Allow to self-cure for 6 minutes if thicker than 2mm.
- 12 After determining the paste is cured prepare the abutment.