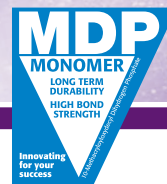


**kuraray**

*Noritake*

DENTAL BONDING AGENT

# *CLEARFIL™ Universal Bond*



AN OUT OF THIS WORLD ADHESIVE IN ONE BOTTLE  
FOR ALL YOUR ETCHING AND  
RESTORATIVE NEEDS

**KURARAY AMERICA, INC.**

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# Meet CLEARFIL Universal Bond

From the creators of **CLEARFIL**, the pioneers of total-etch bonding in the 1970's and innovative self-etch technology in the 1990's. **CLEARFIL Universal Bond** is a single-component, light-cure bonding agent indicated for all direct and indirect restorations in combination with all etching techniques (Total-Etch, Self-Etch or Selective-Etch). **CLEARFIL Universal Bond** is also indicated for the surface treatment of zirconia & silica-based glass ceramics (i.e. lithium disilicate). Meet a **Universal Bonding** system with superior performance which integrates the best of all worlds.



## Comprehensive Indications – the possibilities are “out of this world”!

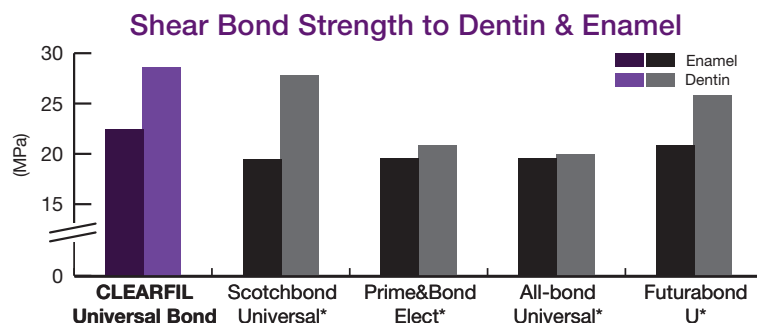
- Direct restorations using light-cured composite resin
- Cavity sealing as a pretreatment for indirect restorations
- Treatment of exposed root surfaces
- Treatment of hypersensitive teeth
- Intraoral repairs of fractured restorations
- Post cementation and core build-ups
- Cementation of inlays, onlays, crowns, bridges and veneers

## Universal Use with Optimum Performance

- Total-etch, Self-etch and Selective-etch Techniques can be used based on Kuraray's original **MDP** technology.
- No additional primer or activator is needed when used with **CLEARFIL DC CORE PLUS/ PANAVIA SA CEMENT**.
- Bonds to zirconia, metals and silica-based ceramics including lithium disilicate.

## The Power of One-Bottle Bonding

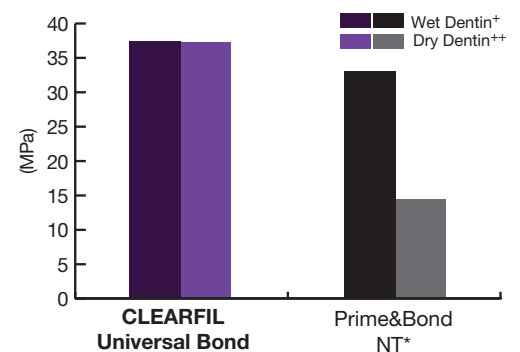
**CLEARFIL Universal Bond** exhibits higher bond strength when compared with other one-bottle universal adhesives. Moreover, it works on both wet and dry dentin using the total-etch technique, unlike other bonds.



**Fig. 1** Shear Bond Strength on Dentin and Enamel in self-etch mode

\* Not a trademark of Kuraray Co., Ltd.  
Source: Kuraray Noritake Dental Inc.

## Shear Bond Strength to Wet and Dry Dentin



**Fig. 2** Shear Bond Strength on Wet and Dry Dentin in total-etch mode

+ Blot with Cotton ++5 Sec. Air Dry  
\* Not a trademark of Kuraray Co., Ltd.  
Source: Kuraray Noritake Dental Inc.

# Cosmic Speed

**CLEARFIL Universal Bond** offers the shortest application time in both the total-etch and self-etch modes. Chairside time is shorter for the dentist.

Pedodontists will enjoy its speed and one-step application for the treatment of children.

## Self-Etch Application Times

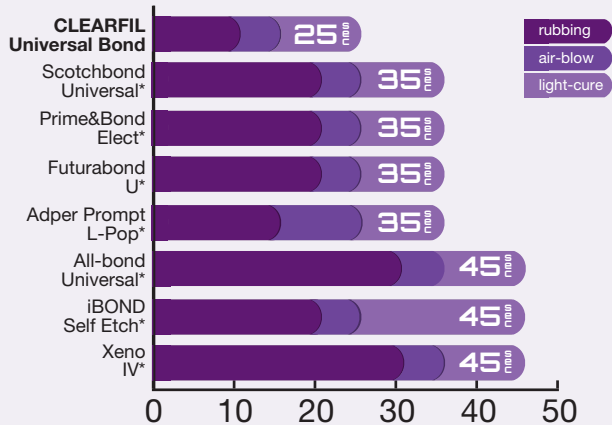


Fig.3 Breakdown of self-etch application times

\* Not a trademark of Kuraray Co., Ltd.  
Data shown based on IFU of each manufacturer.

## Total-Etch Application Times

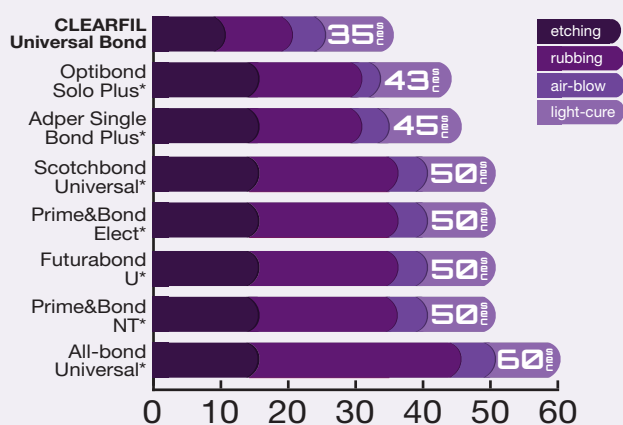


Fig.4 Breakdown of total-etch application times

\* Not a trademark of Kuraray Co., Ltd.  
Data shown based on IFU of each manufacturer.

## The Leader in Adhesive Dentistry Just Made Cementation/Core build-up Easier:

**CLEARFIL Universal Bond** can adhere to any material w/o additional primers, due to its unique chemistry. That makes the product truly “Universal” without the need for a separate silane coupling agent.

The bond strength to tooth structure is enhanced when used in combination with Self-Adhesive Cement (ex. **PANAVIA SA CEMENT**).



**CLEARFIL Universal Bond** can be mixed with **CLEARFIL DC Activator** to become an adhesive which can be used with any self/dual-cured resin cement or core material.

## Controlled Precise Application with K-ETCHANT Syringe

Easy & Pin-Point delivery using the **K-ETCHANT Syringe** during Selective-etch. The syringe contains a thixotropic, 35% blue phosphoric acid gel which has a small diameter tip for precise placement.



PIN-POINT DELIVERY

# Far Reaching Technology Which Spans The Universe

- Original **MDP** formulation for unsurpassed adhesion for over 30 years. The **MDP Monomer** has high bond strength to zirconia and other base metal surfaces. Silane in the adhesive allows adhesion to glass ceramics without using a separate primer.
- **CLEARFIL** bonds have been designed for superior performance and considered “**Gold-Standard**” Materials.



## High Tensile Bond Strength to Prosthetic Materials

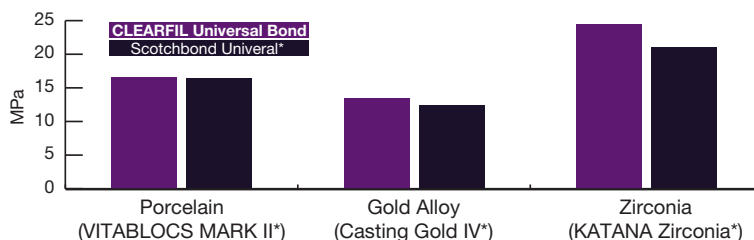


Fig.5 Tensile Bond Strength to Prosthetic Materials (ex: intra-oral repair)

\* Not a trademark of Kuraray Co., Ltd.  
Source: Kuraray Noritake Dental Inc.

## One bottle for all your clinical cases

- **Direct Restoration using light-cured composite resin:**

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



- **Cementation of crowns when using PANA VIA SA CEMENT:**

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



Light-curing of bond is an option for optimum performance.

\* Apply Etchant to the enamel and dentin, or enamel margin for 10 sec. when you utilize (Total-etch or Selective-etch) technique. Then rinse and dry (no need for WET technique).

## Ordering Information



#3290KA  
**CLEARFIL Universal Bond Kit:**  
Bottle Standard Kit  
1 BOND (5ml)  
1 K-ETCHANT Syringe (3ml)  
1 Dispensing Dish  
1 Light-blocking plate  
Applicator brush (fine 50 pcs)  
Needle tips (20 tips)



#3292KA  
**CLEARFIL Universal Bond:**  
Bottle Refill  
· 1 BOND (5ml)



#3293KA  
**CLEARFIL Universal Bond:**  
Bottle Value Pack  
· 3 BOND (5ml)



#3298KA  
**CLEARFIL Universal Bond:**  
Unit Dose Standard Pack  
· 50 Unit Dose (0.1ml/tip)  
· 1 K-Etchant Syringe (3ml)  
· Applicator brush (fine 50 pcs)  
· Needle tips (20 tips)



#3299KA  
**CLEARFIL Universal Bond:**  
Unit Dose Value Pack  
· 100 Unit Dose (0.1ml/tip)  
· 1 K-Etchant Syringe (3ml)  
· Applicator brush (fine 100 pcs)  
· Needle tips (20 tips)



#3250KA  
**CLEARFIL DC Activator**  
· 1 Activator (4ml)



#3252KA  
**K-ETCHANT Syringe**  
· 2 K-ETCHANT Syringe (3ml)  
· Needle tips (40 tips)

Warranty: Kuraray Noritake Dental Inc. will replace any product that is proved to be defective. Neither Kuraray Noritake Dental Inc. nor the distributor accepts liability for any loss or damage, direct, consequential or special, arising out of the application or use of or the inability to use these products. Before using, the user should determine the suitability of the products for the intended use and the user assumes all risk and liability whatsoever in connection therein. Kuraray Noritake Dental Inc. products are available only through Kuraray Authorized dealers.

"CLEARFIL" is a trademark of KURARAY Co.,Ltd.

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