

kuraray

Noritake

CLEARFIL™ Universal Bond Quick 2

The everything bond



—
Next-Generation
Single-Step Adhesive



Next-Generation Single-Step Adhesive

CLEARFIL™ Universal Bond Quick 2

CLEARFIL™ Universal Bond Quick 2 is the latest evolution in dental bonding technology, offering a streamlined, efficient solution for dental practitioners. Designed to enhance your workflow, this adhesive provides robust performance across a variety of clinical situations.



Choose CLEARFIL™ Universal Bond Quick 2

EASY APPLICATION

CLEARFIL™ Universal Bond Quick 2 is very easy to apply. The new filler dispersion method used makes it possible to enhance the products' flowability without lowering the filler content.

QUICK AND STRAIGHTFORWARD PROCEDURE

The streamlined procedure enables quick application without any waiting time or the need for rubbing. It involves minimal steps and is fast, making it well-suited for challenging cases where moisture control is difficult, or in pediatric dentistry.

CONSISTENTLY DURABLE BOND

Different well designed, matched ingredients create a solid bond to enamel and dentin.

HIGH STRENGTH BONDING LAYER

The added urethane tetra methacrylate monomer improves the strength of the bonding layer itself. The result is an increased resistance to shrinkage forces.

VERSATILITY FOR VARIOUS APPLICATIONS

Suitable for both direct and indirect restorations, as well as core build-up procedures, this adhesive provides the flexibility needed for a wide range of clinical scenarios. It is also compatible with self adhesive cements from other manufacturers, offering you greater choice.

MINIMIZED RISK OF POOLING

Enhanced flowability provides for even spreading, creating a thin, uniform bonding layer. This minimizes the risk of pooling thus maintaining the original morphology of the preparation.

READY TO USE ANYTIME

The adhesive can be stored at room temperature (2-25°C) and eliminates the need for shaking. Hence, it is always ready for immediate use, fitting seamlessly into your practice.



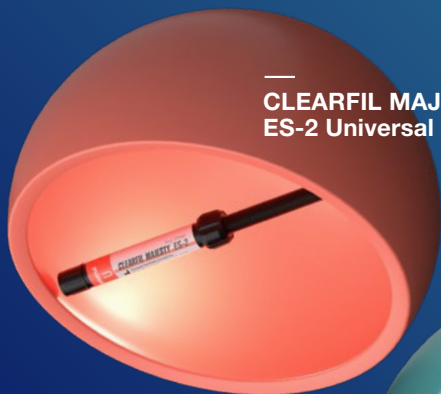
SCAN FOR MORE INFORMATION ABOUT CLEARFIL™ Universal Bond Quick 2



The heart of the universal portfolio

At Kuraray Noritake Dental Inc., we understand the demands of modern dental practices. Balancing complex procedures, tight schedules, and patient care is no easy task. That is why we have spent years refining our materials—so you can focus on what matters most: your patients. Our universal products simplify your workflow, offering you high-quality materials and tools that work seamlessly with your expertise.

CLEARFIL™ Universal Bond Quick 2 forms literally the connection between several universal resin-based products of our portfolio. Plus: there is no need for a separate dual-cure activator when used with other manufacturers' self-adhesive cements.



CLEARFIL MAJESTY™
ES-2 Universal



KATANA™
Cleaner



CLEARFIL™ Universal
Bond Quick2

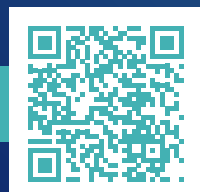


CLEARFIL MAJESTY™
ES Flow Universal



PANAVIA™
SA Cement
Universal

SCAN FOR MORE INFORMATION ABOUT Universal Excellence



The complex technology behind simplicity

At Kuraray Noritake Dental Inc., we have refined our monomer technology to deliver exceptional bonding performance with minimal effort. Our proprietary **Advanced Rapid Bond Technology** combines three key monomers to create a powerful adhesive that supports both ease of use and long-lasting results.



Original MDP Monomer

The MDP monomer, invented by KURARAY CO., LTD., provides unmatched bonding strength to hydroxyapatite and a wide range of other materials, including zirconia. For an excellent bond that performs consistently over time.



Amide Monomer

This highly hydrophilic monomer allows for rapid penetration into the tooth structure, eliminating the need for waiting after application. It forms a stable, hydrophobic cross-linked network during polymerization for a strong and durable bond.



Urethane Tetra

Methacrylate (UTMA) Monomer

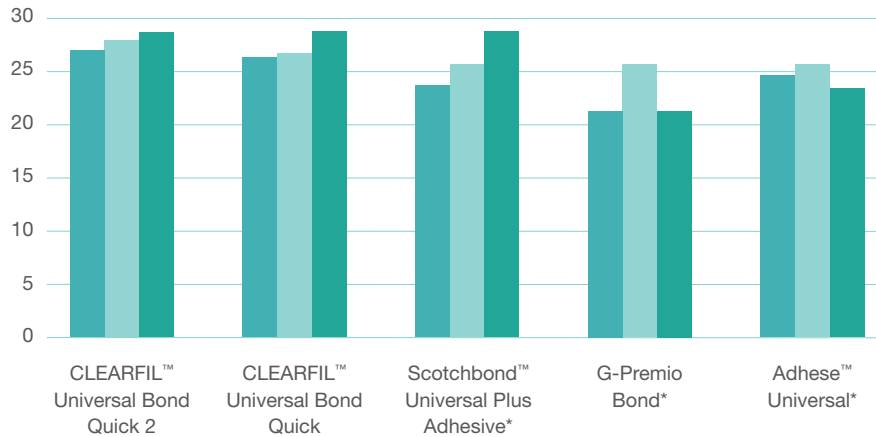
The Urethane Tetramethacrylate Monomer is a multifunctional monomer that provides for an increased strength of the bonding layer itself. The use of UTMA results in increased resistance to shrinkage forces and at the same time, allows for a thin bonding layer.



Together, these monomers form the foundation of **CLEARFIL™ Universal Bond Quick 2**, giving you a fast, dependable, and versatile adhesive for all your restorative needs.

Performance you can trust

Shear Bond strength to human enamel (MPa)

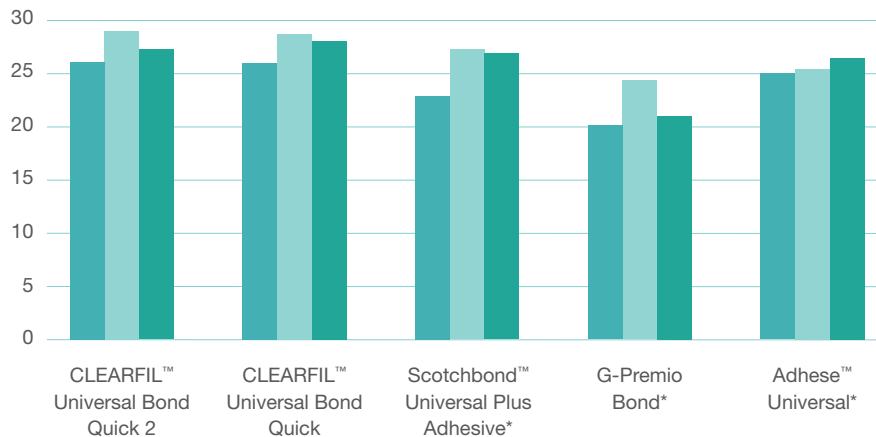


■ 1 day
■ TC5000
■ TC20000

Test conditions:
Human teeth #320
Measured strength after 1 day of storage in 37°C water, or thermal cycle 5000 or 20000 times (5°C ↔ 55°C).
Crosshead speed 0.5 mm/min
N=10

*Not a trademark of Kuraray Noritake Dental Inc. M Irie et. al., (Okayama University) The 42nd Annual Meeting of Japan Society for Adhesive Dentistry Poster P-16
Source: Irie (Okayama university)

Shear Bond strength to human dentin (MPa)

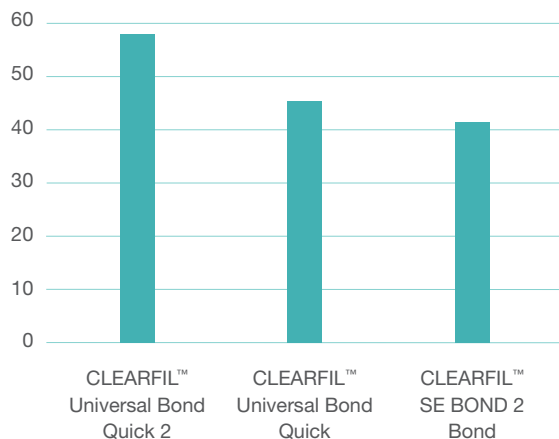


■ 1 day
■ TC5000
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Human teeth #320
Measured strength after 1 day of storage in 37°C water, or thermal cycle 5000 or 20000 times (5°C ↔ 55°C).
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Source: Irie (Okayama university)

Ultimate tensile strength (MPa)



Test conditions:
Silicone mold beam-shape 1.0×1.0×10.0 mm
Light curing Of bonding materials
24 hours dry storage
Source: Dr. Hosaka (Tokushima University)

Direct restorations workflow

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

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



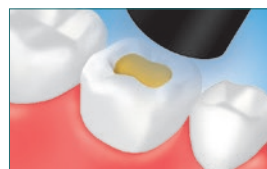
2 Apply BOND with a rubbing motion



3 Dry by blowing mild air until BOND does not move¹



4 Light-cure²



5 Place composite resin, light-cure and finish



² Refer to table on the right for the light-curing time.

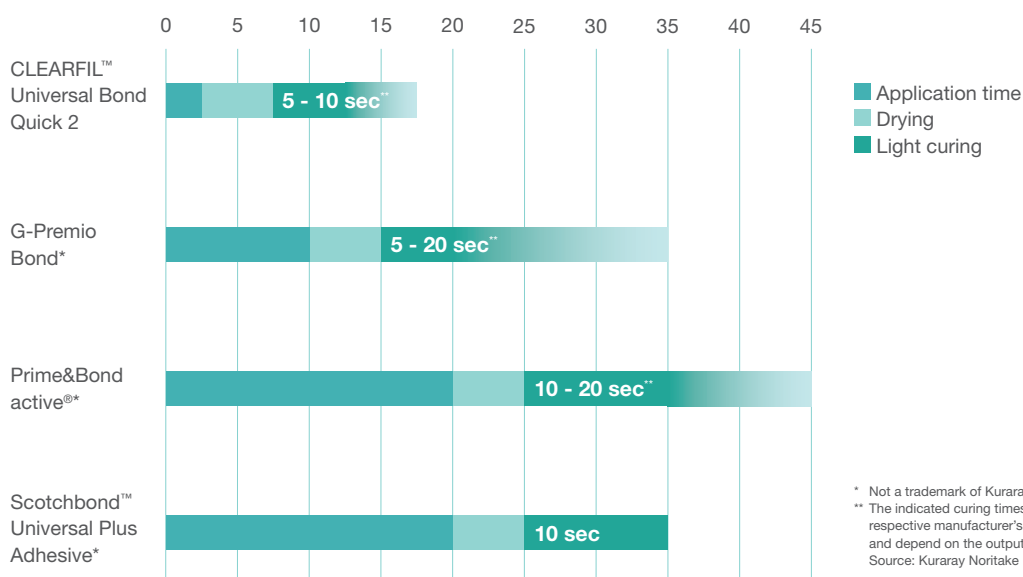
Dental curing unit and curing time

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 400-515nm.
*Peak of emission spectrum: 450-480nm

How do we compare

Treatment time comparison (Sec.)



* Not a trademark of Kuraray Noritake Dental
** The indicated curing times are according to the respective manufacturer's recommendations and depend on the output of the curing light.
Source: Kuraray Noritake Dental

Ordering information

CLEARFIL™ Universal Bond Quick 2

#4042-EU	Bottle Refill	5.0 ml x 1 bottle
#4044-EU	Bottle Value Pack	5.0 ml x 3 bottles
#4046-EU	Unit Dose Standard Pack	0.1 ml Unit Dose x 50, applic. brush fine silver x 50 pcs

UNIVERSAL EXCELLENCE PRODUCTS

CLEARFIL MAJESTY™ ES Flow Universal

#4600-EU	Low (U)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4601-EU	Low (UD)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4620-EU	Super Low (U)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4621-EU	Super Low (UD)	1 syringe 1.5 ml x 1, needle tip x 15 pcs

CLEARFIL MAJESTY™ ES-2 Universal

#3181-EU	Universal (U)	1 syringe 2.0 ml
#3183-EU	Universal Light (UL)	1 syringe 2.0 ml
#3184-EU	Universal Dark (UD)	1 syringe 2.0 ml
#3182-EU	Universal White (UW)	1 syringe 2.0 ml
#3191-EU	Universal (U)	20 PLT 0.25g
#3193-EU	Universal Light (UL)	20 PLT 0.25g
#3194-EU	Universal Dark (UD)	20 PLT 0.25g
#3192-EU	Universal White (UW)	20 PLT 0.25g

PANA VIA™ SA Cement Universal

#4202-EU	Handmix Universal (A2)	1 syringe 5.0 ml
#4203-EU	Handmix White	1 syringe 5.0 ml
#4204-EU	Handmix Translucent	1 syringe 5.0 ml
#4212-EU	Automix Universal (A2)	1 syringe 8.2g, 20 Mixing tips
#4213-EU	Automix White	1 syringe 8.2g, 20 Mixing tips
#4214-EU	Automix Translucent	1 syringe 8.2g, 20 Mixing tips

KATANA™ Cleaner

#3970-EU	4.0 ml x 1 bottle
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OTHER

K-ETCHANT Syringe

#3252-EU	2 Syringes 3.0 ml, needle tip x 40 pcs
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EU Importer

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- Before using this product, be sure to read the Instructions for Use supplied with the product.
- The specifications and appearance of the product are subject to change without notice.
- Printed color can be slightly different from actual color.

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