

**kuraray**

*Noritake*



# ***CLEARFIL™ SE BOND 2***



THE GOLD STANDARD, JUST GOT BETTER



## CLEARFIL™ SE BOND 2 The gold standard, just got better.

Presenting **CLEARFIL™ SE BOND 2**, a two step, self-etch, light-cure bonding agent with an enhanced catalyst system for even stronger bond strength. Add our new dual-cure, **CLEARFIL™ DC Activator** for use with all indirect restorations and core build-up composites.

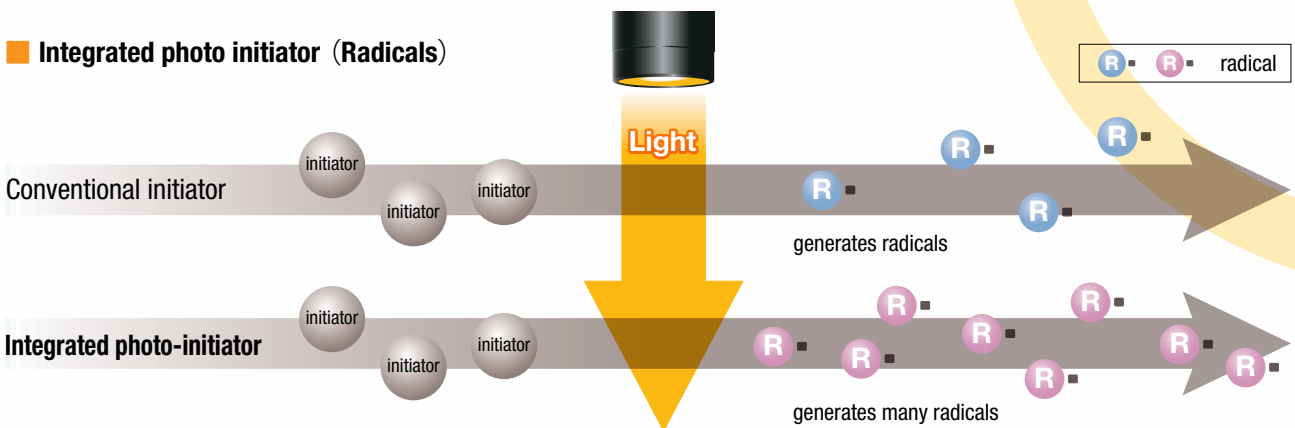
With the same clinical procedure, it's a simple upgrade to our new versatile bonding system.

# CLEARFIL™ SE BOND 2

## NEW CATALYST CHEMISTRY PROVIDES EVEN STRONGER BOND STRENGTH

Our new integrated photo-initiator chemistry provides more free radicals when curing which relates to higher monomer conversion rates and stronger bond strengths.

### Integrated photo initiator (Radicals)



The curing properties of **CLEARFIL™ SE BOND 2** is dramatically enhanced by this new technology.

### Shear Bond Strength to Enamel and Dentine

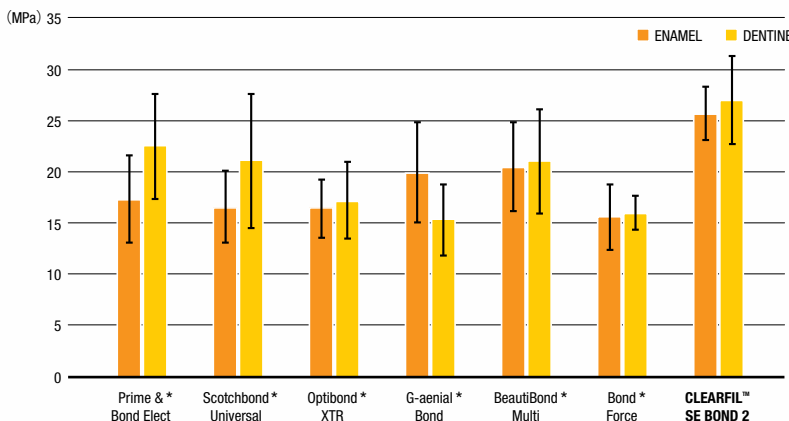


Fig.1: Data courtesy of Dr. M. Irie, Okayama University, Japan

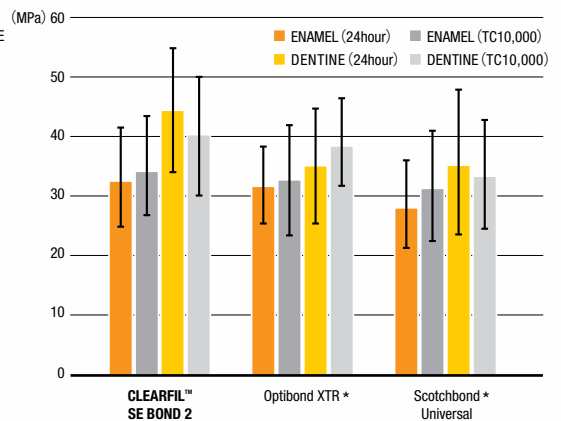


Fig.2: Data courtesy of Dr. J. Burgess, University of Alabama at Birmingham, U.S.A

References : 1) M. IRIE, J. TANAKA, T. MATSUMOTO, Y. MARUO, G. NISHIGAWA, S. MINAGI, D.C. WATTS. Marginal Sealability of Modern Self-etched adhesives in Composite Restorations. J Dent Res 93 (Spec Iss A) : Abstract 848, 2014  
 2) S.S. SONAVANE, R. RADHAKRISHNAN, R. BANSAL, L.C. RAMP, P. BECK, and J. BURGESS. Shear Bond Strength of Four Self-etch Adhesives J Dent Res 93 (Spec Iss A) : Abstract 469, 2014

\* Not a trademark of Kuraray Co., Ltd

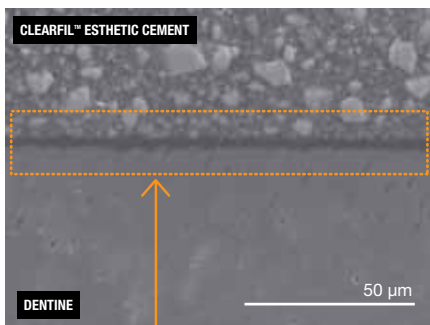
## INDICATIONS

- 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 using a dual or self-cured composite resin
- Core build-ups using a light, dual or self-cured core material
- Cementing inlays, onlays, crowns, bridges and veneers using a composite resin cement

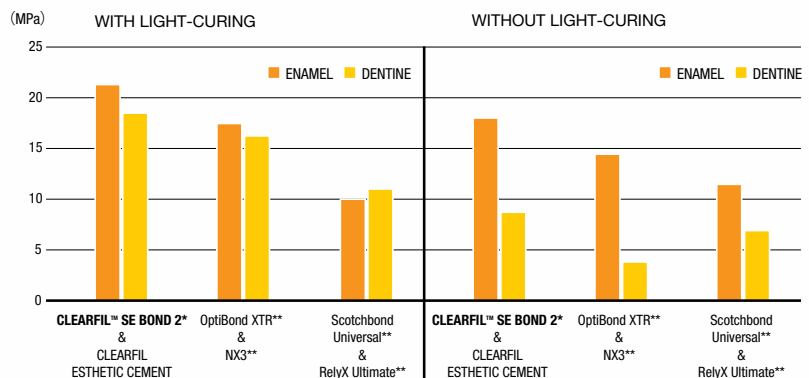
## LOW FILM THICKNESS FOR INDIRECT RESTORATIONS

For indirect restorations, simply mix 1 drop of **CLEARFIL™ SE BOND 2 Bond** with 1 drop of **CLEARFIL™ DC Activator**. The film thickness of the mixture after air-drying is approximately 3-5µm, which is optimal for indirect applications.

**CLEARFIL™ SE BOND 2 Bond** with **CLEARFIL™ DC Activator** delivers high bond strength to enamel and dentine, with or without light activation due to our unique technology. The polymerization acceleration begins at the bond-cement interface on contact. Light-curing the mixture is an option for enhanced performance.



**CLEARFIL™ SE BOND 2 & CLEARFIL™ DC Activator's adhesive layer**



### Tensile bond strength to tooth structure with resin cements

CLEARFIL™ SE BOND 2\* BOND was mixed with CLEARFIL™ DC Activator. \*\* Not a trademark of Kuraray Co., Ltd  
Source: Kuraray Noritake Dental Inc.



***CLEARFIL™ SE BOND 2***

# Kuraray Noritake Dental Inc.

In 1926, Kuraray was established in Kurashiki, Japan, where the industrial production of viscose rayon began. Though intensive research and development the company succeeded in building up extensive expertise and technological strength in the fields of polymer chemistry, synthetic chemistry and chemical engineering.

Kuraray entered the field of dental materials in 1973. The mission of Kuraray was to respond precisely and thoroughly to the needs of the dental profession with reliable products of superior quality. In 1978, Kuraray introduced the first bonding system to the market: CLEARFIL™ BOND SYSTEM F, the start of the age of adhesive dentistry. At the same time, the company developed the "total-etch technique" for enamel and dentine. Over four decades, Kuraray Noritake Dental Inc. continues to bring forth innovative, quality products to meet the demands of a continuously changing dental profession.

- Read the Instructions for Use supplied with the products before use.
- The specifications and appearance of the product are subject to change without notice.

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