



Gordon J. Christensen

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Reprint



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Products Rated Highly by Evaluators in CR Clinical Trials

Clearfil Universal Bond Quick



Kuraray Noritake

**\$160/Standard kit
with 5ml bottle
(~90¢/Use)**

Single-Bottle Universal Adhesive with Fast Application and Reduced Technique Sensitivity

Clearfil Universal Bond Quick is a single-bottle adhesive containing a new amide monomer with better hydrophilicity and faster penetration into dentin and enamel than traditional HEMA. The new chemistry has a thin film thickness and eliminates the need to rub in the bonding agent or wait which results in faster application, less technique sensitivity, and a reduced risk of prep contamination. Formulation includes MDP for bond to metals (*zirconia, etc.*) and silane for bond to glass ceramics (*e.max, porcelain, etc.*). Bonding agent is compatible with Kuraray Panavia SA Cement Plus or can be mixed with dual-cure activator for use with other self-cure cement brands. CR testing confirmed quick application and initial dentin bond strength comparable to other leading bonding agents.

Advantages:

- Application is fast and easy
- Adhesive reduces post-operative sensitivity
- High initial bond to dentin and enamel

Limitation:

- Long-term clinical performance is being established

CR CONCLUSIONS: 91% of 22 CR Evaluators stated they would incorporate Clearfil Universal Bond Quick into their practice. 95% rated it excellent or good and worthy of trial by colleagues.

What is CR?

WHY CR?

CR was founded in 1976 by clinicians who believed practitioners could confirm efficacy and clinical usefulness of new products and avoid both the experimentation on patients and failures in the closet. With this purpose in mind, CR was organized as a unique volunteer purpose of testing all types of dental products and disseminating results to colleagues throughout the world.

WHO FUNDS CR?

Research funds come from subscriptions to the Gordon J. Christensen Clinicians Report®. Revenue from CR's "Dentistry Update" courses support payroll for non-clinical staff. All Clinical Evaluators volunteer their time and expertise. CR is a non-profit, educational research institute. It is not owned in whole or in part by any individual, family, or group of investors. This system, free of outside funding, was designed to keep CR's research objective and candid.

HOW DOES CR FUNCTION?

Each year, CR tests in excess of 750 different product brands, performing about 20,000 field evaluations. CR tests all types of dental products, including materials, devices, and equipment, plus techniques. Worldwide, products are purchased from distributors, secured from companies, and sent to CR by clinicians, inventors, and patients. There is no charge to companies for product evaluations. Testing combines the efforts of 450 clinicians in 19 countries who volunteer their time and expertise, and 40 on-site scientists, engineers, and support staff. Products are subjected to at least two levels of CR's unique three-tiered evaluation process that consists of:

1. Clinical field trials where new products are incorporated into routine use in a variety of dental practices and compared by clinicians to products and methods they use routinely.
2. Controlled clinical tests where new products are used and compared under rigorously controlled conditions, and patients are paid for their time as study participants.
3. Laboratory tests where physical and chemical properties of new products are compared to standard products.

Clinical Success is the Final Test



This team is testing resin curing lights to determine their ability to cure a variety of resinbased composites.

Every month several new projects are completed.

THE PROBLEM WITH NEW DENTAL PRODUCTS.

New dental products have always presented a challenge to clinicians because, with little more than promotional information to guide them, they must judge between those that are new and better, and those that are just new. Because of the industry's keen competition and rush to be first on the market, clinicians and their patients often become test data for new products.

Every clinician has, at one time or another, become a victim of this system. All own new products that did not meet expectations, but are stored in hope of some unknown future use, or thrown away at a considerable loss. To help clinicians make educated product purchases, CR tests new dental products and reports the results to the profession.

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CRA Foundation® changed its name to CR Foundation® in 2008.

Products evaluated by CR Foundation® (CR®) and reported in the *Gordon J. Christensen Clinicians Report®* have been selected on the basis of merit from hundreds of products under evaluation. CR® conducts research at three levels: 1) multiple-user field evaluations, 2) controlled long-term clinical research, and 3) basic science laboratory research. Over 400 clinical field evaluators are located throughout the world and 40 full-time employees work at the institute. A product must meet at least one of the following standards to be reported in this publication: 1) innovative and new on the market, 2) less expensive, but meets the use standards, 3) unrecognized, valuable classic, or 4) superior to others in its broad classification. Your results may differ from CR Evaluators or other researchers on any product because of differences in preferences, techniques, product batches, or environments. CR Foundation® is a tax-exempt, non-profit education and research organization which uses a unique volunteer structure to produce objective, factual data. All proceeds are used to support the work of CR Foundation®. ©2017 This report or portions thereof may not be duplicated without permission of CR Foundation®. Annual English language subscription: US\$199 worldwide, plus GST Canada subscriptions. Single issue: \$18 each. See www.CliniciansReport.org for additional subscription information.