



36 CLINICAL EVALUATORS

916 TOTAL USES

91% CLINICAL RATING

Key features: Drop control system on bottle • One-bottle system containing 10-MDP • Incorporates MBG (Mesoporous Bioactive Glass) as a filler

Description

Hi-Bond Universal is a light cured, one-step dental adhesive that combines etching, primer and bonding agent in a single bottle. It is able to be used in total-etch, selective-etch, or self-etch procedures and features a controlled drop system that minimizes material waste. The incorporation of MBG (Mesoporous Bioactive Glass) as a filler, which features nano-sized pores and a large specific surface area. The adhesive promotes the formation of HAP (Hydroxyapatite) on the dentin surface and helps reduce sensitivity in patients.

Indications

- Bonding for direct composite restoration.
- Bonding for In-direct restoration (porcelain, composite, metal repair, setting amalgam and post)
- Desensitization

Unique Attributes

- Easy to use, universal application
- Able to bond in a moist environment
- A clear liquid that also cures clear



Clinical Tips

- Make sure to lightly air to dissolve the solvent.
- Apply multiple layers as it very thin.
- Scrub the adhesive for 20 seconds.
- Ensure the material is fully dried before bonding.

"GOOD
ALTERNATIVE
TO MY USUAL."

Evaluators' Comments

"Overall, I liked this product and did not have any issues. I have not had reports of patient post-op sensitivity."

"I liked that you could open and close the dispenser with one hand and the little lock helped."

"I didn't notice any significant difference between it and the big name brand products I'm used to using."

"Very clear material – worked great in anterior bondings and indirect restorations."

"Ideal viscosity - not too thick. Some thicker adhesives have previously interfered with restoration seating."

Consultants who would:

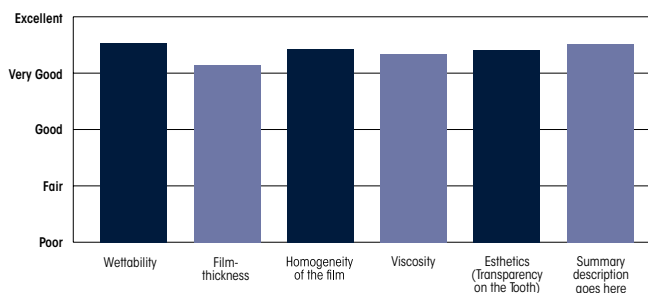
86% Recommend to a colleague

Consultants who would want to stock in office:

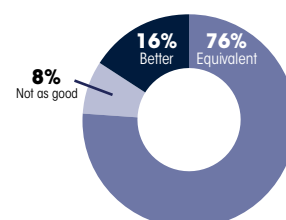
14% Yes, instead of current product

61% Yes, in addition to current product

Evaluation Summary:



Compared to Competitive Products:



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HI-BOND® UNIVERSAL (MEDICLUS Co., Ltd)

How does Hi-Bond Universal compare to your current bonding agent?	
Answer Choices	Responses
Better	16%
About the same	76%
Not as good	8%

What material are you comparing it to?

- Clearfil Universal Bond
- Clearfil Universal Bond Quick
- Clearfil SE Protect
- All-Bond Universal
- OptiBond Universal (includes OptiBond S, Kerr OptiBond, OptiBond Universal 360)
- Adhese (Ivoclar VivaPen)
- Scotchbond Universal (includes Scotchbond 3M, 3M Scotchbond Universal Adhesive, Scotchbond and Prime & Bond)
- G-Bond

What procedures did you use this product for? (Please select all that apply)	
Answer Choices	Responses
Anterior direct restorations	86%
Posterior direct restorations	97%
Post	36%
Core buildup	69%
Core buildup with dual cure material	42%
Adhesive repair on ceramic or composite	14%
Other (please specify)	6%

Other:

- Attachments for clear aligners
- Root exposure for sensitivity

What did you like best about Hi-Bond Universal?

- I feel that this evaporates less quickly than my current Prime & Bond.
- The container is easy to apply and scrub into the cavity, with good wettability and includes MBG.
- Ease of use and universal application.
- Ability to bond in a moist environment.
- Good wetting properties.
- Very clear material – worked great in anterior bondings and indirect restorations.
- Thin film thickness and strong wettability.
- I really liked the bottle design; the lid and dispensing element made it easy to use.

What did you like best about Hi-Bond Universal? (cont.)

- Performs comparably to other products.
- Clear liquid that cures clearly. There were no restoration failures during the trial.
- Easy application with a pleasant, mild scent.
- One-step bonding and practical bottle design.
- Dual-cure in one bottle. The cap design makes it easy to open.
- Low film thickness and neutral color.
- Easy placement.
- No initial bond failures.
- Closure cap was well liked by my assistant.
- The flip-up lid allows one-handed use, and it's easy to control the number of drops dispensed.
- Low odor, almost none, and no white line after curing, which I've had issues with in other bonds.
- Simple, no issues during use.
- Single-coat application.
- Seems stronger than my current bond. In Class II or III, excess bond interproximally is harder to floss out
- Spreads nicely and allows precise control.
- Excellent usability.
- Dispensing system is very precise and uniform.
- Quick and easy to use.
- Ideal viscosity—not too thick. Some thicker adhesives have previously interfered with restoration seating.
- No mixing required—faster than the two-bottle system.
- Transparent.
- Potential to help with remineralization and sensitivity.
- Excellent at reducing cervical sensitivity.

What did you like least about Hi-Bond Universal?

- There was nothing I disliked, but if I'm being picky, the packaging design/ colors don't appear very high-end or aesthetic.
- Very fluid, not too viscous. The manufacturer's instructions could be improved—more precise, with visuals for different clinical situations. I would also emphasize that the adhesive contains MBG, which reduces sensitivity and could serve as a desensitizer.
- I had zero issues with the material.
- I would prefer the bond to come in individual unit-dose "bullets," similar to OptiSolo Bond.
- The cap was difficult to pop open, and the material was very runny.
- I wasn't sure if it could be used with dual-cure materials.
- I do not know enough about its specific chemistry or what sets it apart from similar products.
- A lot dispensed at once—came out in a "big drop."
- I didn't like having to scrub the adhesive for 15–20 seconds, and it felt slightly thick.
- Nothing stood out—beyond that, there was nothing particularly memorable about it.

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What did you like least about Hi-Bond Universal? (cont.)

- Slightly long application and drying time compared to what I typically use.
- Instructions should be larger and easier to read.
- Seemed to peel off root surfaces easily.
- Assistants found the bottle difficult to open.
- A bit viscous.
- Very flowable.
- It pours out quickly from the bottle, which may lead to waste.
- No complaints or negative experiences.
- No foreseen issues yet.
- Acceptable performance.
- Would like to evaluate retention at a 6-month recall appointment.

What suggestions do you have to improve Hi-Bond Universal?

- Nothing bothered me about the product, but the packaging could be more visually appealing.
- Increase viscosity (add more inorganic filler) to produce a thicker film.
- Create individual bonding packets to reduce waste.
- No issues — seems to be a great product.
- The pop-top bottle could be improved; it was stiff and difficult to open.
- The bottle should dispense smaller droplet sizes to improve control.
- Reduce the application time.
- Clarify that no dual-cure additive is needed when using with dual-cure materials—I had to search for this information.
- Consider re-evaluating the bond strength.
- Improve the dispensing bottle design for better control.
- A thicker, more controllable consistency may be preferred.

Did you experience any problems during the evaluation?	
Answer Choices	Responses
Yes	0%
No	100%