

One Solution for Bonding and Desensitizing

Hi-Bond® Universal is a one-bottle, light-cured universal adhesive designed for both direct and indirect restorations and compatible with all etching techniques.

SCI Listed



**Direct or Indirect!
Any Etching
Technique!**

Hi-Bond® Universal

Multifunctional Universal Adhesive



✓ Enhanced Adhesion and Desensitizing Effect with 10-MDP and MBG

Hi-Bond® Universal is a one-bottle dental universal adhesive containing 10-MDP, providing reliable performance with all etching techniques. With MEDICLUS' specialized MBG technology, which promotes hydroxyapatite formation, Hi-Bond® Universal also offers excellent performance as a desensitizing agent. By incorporating MBG nano fillers, Hi-Bond® Universal supports tooth remineralization and helps relieve dentin hypersensitivity.

✓ Indications

Direct Restorations

- Bonding of light-cured composite resin
- Desensitizing treatment for exposed root surfaces and cervical areas
- Repair of composite resin or compomer restorations

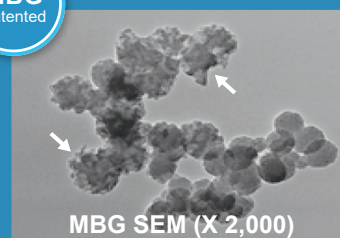
Indirect Restorations

- Pretreatment of restorations made of metal, zirconia, or alumina
- Intraoral repair of fractured indirect restorations
- Post cementation and core build-up
- Dentin sealing before temporary restoration

MBG (Mesoporous Bioactive Glass) Nano Filler

- ✓ Porous bioactive glass filler with a particle size of approximately 20–50 nm
- ✓ Expanded surface area through numerous pores
- ✓ Forms chemical bonds with both hard and soft dental tissues
- ✓ Promotes HA formation, tooth strengthening, desensitization, antibacterial activity, and MMP inhibition

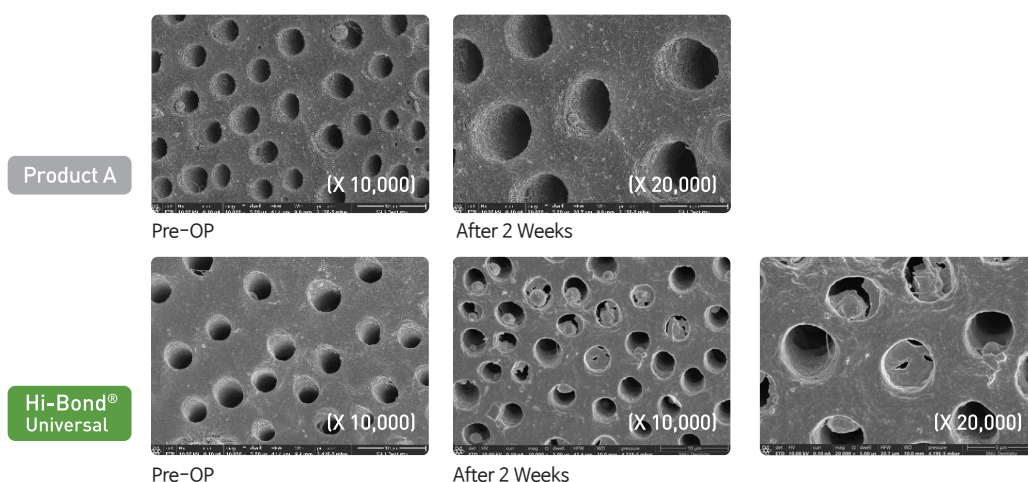
MBG
Patented



✓ MBG (Mesoporous Bioactive Glass) - Based Bioactivity

MBG is a bioactive glass material with a porous nanostructure that promotes hydroxyapatite formation, helping support dentin remineralization and dentinal tubule sealing.

✓ Tooth Remineralization Effect

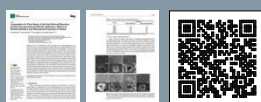


✓ Scientific Evidence



[Research]

Study by Dr. Jiyoung Kwon, et al.



[Research]

Study by Dr. In-Seong Park, et al.



[Research]

Study by Dr. Zakereyya S.M, et al.



[Research]

Study by Dr. Hyun-Jung Kim, et al.

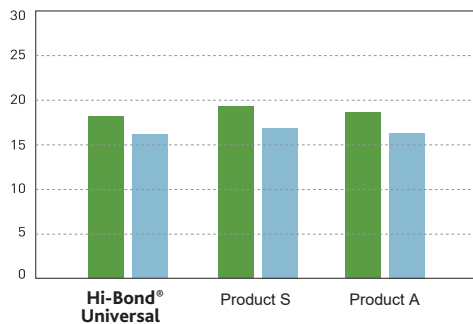
✓ 10-MDP-Based Adhesion for Direct & Indirect Restorations

It provides reliable adhesion to various bonding surfaces, including enamel, dentin, and zirconia, and is compatible with Total-etch, Self-etch, and Selective-etch techniques.

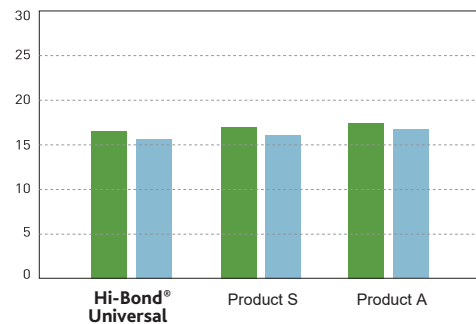
✓ Bond Strength

Direct Restorations

Bovine enamel bond strength (MPa)



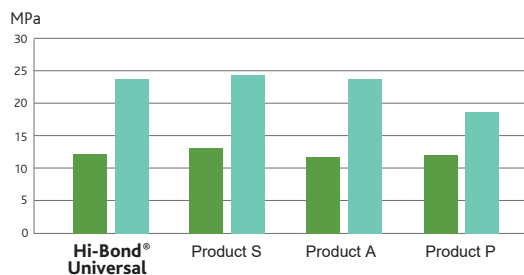
Bovine dentin bond strength (MPa)



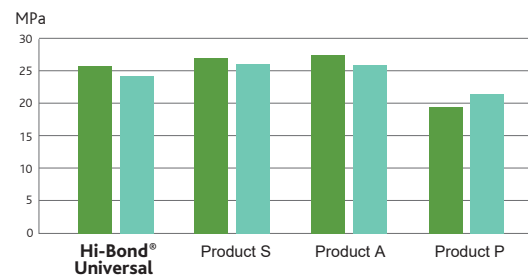
■ Total-etch ■ Self-etch

Indirect Restorations

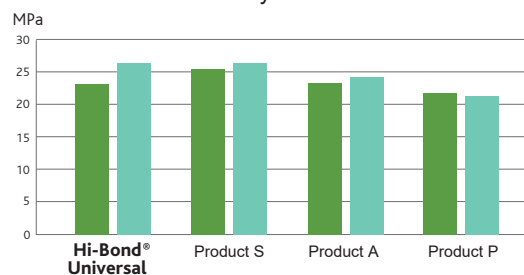
LS₂ Ceramic



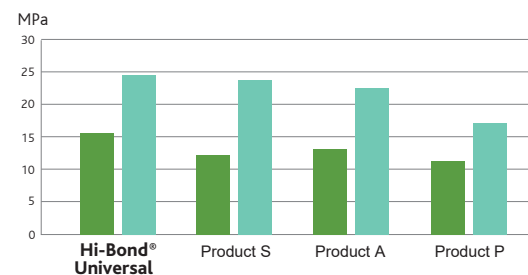
Zirconia



Resin Hybrid Ceramic



Leucite Ceramic



■ Sandblast ■ Sandblast + Silane

✓ Scientific Evidence



[Research]
Study by Dr. Jiyoung Kwon, et al.



[Certificate]
U.S. Patent Certificate



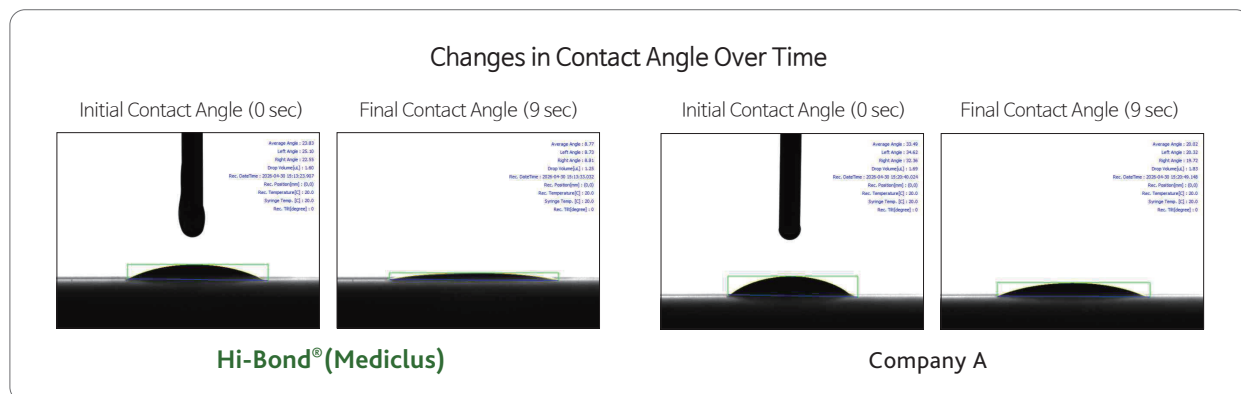
[Certificate]
Dental Advisor



[Certificate]
KAAD Dental Material Evaluation

✓ Excellent Wettability for Effective Dentinal Tubule Penetration

Hi-Bond® Universal spreads uniformly over the dentin surface due to its excellent wettability. This helps effective penetration into dentinal tubules and supports the formation of a stable adhesive interface.



✓ Excellent Compatibility with Dual-Cure Resin Materials

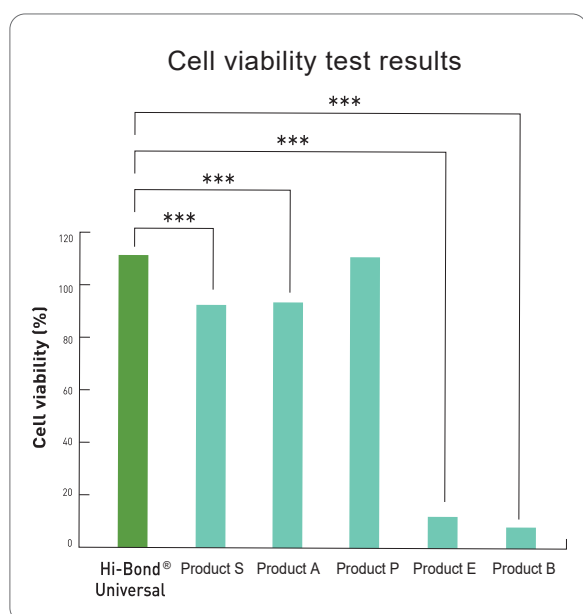
The mild acidic formulation with a pH of 3.2 reduces the potential inhibition of chemical polymerization caused by acidic monomers when used with dual-cure resin materials. It also supports the formation of a stable adhesive interface.

✓ Easy Handling with One-Bottle System and Drop Control Design

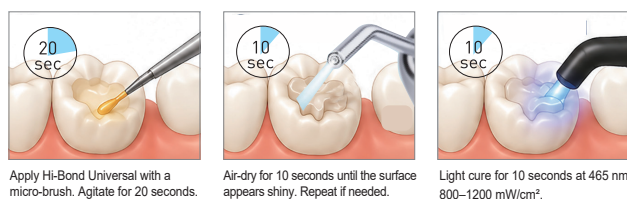
The simple application protocol and intuitive bottle design improve procedural reproducibility and clinical convenience. The One-bottle system, Drop Control System, and Easy-to-Drop design allow simple and convenient use.



✓ Biological Safety Supported by Cell Compatibility



✓ Application Protocol



CONTENTS

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