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BISDENT GLOBE

ACE® ALL-BOND SE®

Adhesion Dentistry Update

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How Does Your Self-Etch Adhesive Measure Up

BISCO is proud to announce the launch of ACE ALL-BOND SE, our renowned self-etch adhesive in a new innovative delivery system, which we debuted at the Chicago Midwinter Meeting in February 2009.

ALL-BOND SE is already known for its proven performance, superior bond strength and unlike many of the other self-etch systems is compatible with light-, self- and dual-cured materials. It is the first self-etch adhesive worthy of the ALL-BOND name.

Now ALL-BOND SE is available in a convenient cartridge delivery that works with our ACE Dispenser. ACE offers one-click dispensing, for accuracy and convenience. Just click, mix and apply to the tooth—it's that easy.

As a two-component self-etch product, the stability and freshness of the material is not compromised, unlike that of single-bottle self-etch materials. Yet the mess, hassle and time involved in dispensing from multiple bottles are eliminated with the simple push of a button.

The ACE Dispenser delivers premeasured doses in the precise ratio needed, removing the guesswork out of the dispensing process. In addition, the material turns pink upon mixing providing even greater confidence that the product is properly activated and ready to be used.



ACE ALL-BOND SE
Easy one click dispensing in the palm of your hand

In one simple application, you can etch, prime and bond while minimizing post-operative sensitivity. ACE ALL-BOND SE is proudly made in the U.S.A. and offers you and your patients predictable and reliable adhesion...satisfaction guaranteed. That's our commitment to excellence. ■



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How Does Your Self-Etch Adhesive Measure Up?

IF YOU USE CLEARFIL® SE BOND, YOU'LL LOVE THE ACE ALL-BOND SE SYSTEM KIT

The most successful self-etch adhesives are known for their good bond strength and low incidence of post-operative sensitivity. Undoubtedly, ACE ALL-BOND SE's performance ranks among the elite on the market. Another popular two step self-etch system is Clearfil SE Bond, in which a layer of primer is applied followed by a layer of light-cured bonding resin. With the ACE ALL-BOND SE System Kit, BISCO has developed a product that can be used in the same way, with added benefits and greater versatility.

SINGLE STEP OR TWO STEP, YOU DECIDE

The ACE ALL-BOND SE cartridge is a self-contained adhesive system, capable of being used on its own as a single layer self-etch. It can also be used as the first step in a two-step self-etch bonding process, offering you the choice of a simplified procedure or applying a second hydrophobic resin layer. For example products such as Clearfil SE Bond cannot provide the flexibility of a single-step bonding process, because the primer cannot be light-cured and used on its own without the bonding resin.

ACE ALL-BOND SE's resin Liner is an *optional* second step, included in the System Kit for added benefits. Like Clearfil SE Bond's bonding resin, it is a hydrophobic layer that decreases water permeability for long-term stability of the bond. This is especially useful for deep vital dentin or large restorations. Both are filled resins, but only ALL-BOND SE Liner is radiopaque, which gives the added benefit of visibility on radiographs. This helps to reduce the misdiagnosis of caries when viewing areas where adhesives commonly pool.

ONLY BISCO CAN OFFER YOU A SELF-ETCH ADHESIVE THAT CAN BE USED FOR INDIRECT APPLICATIONS OR WITH SELF- OR DUAL-CURED MATERIALS

Because ALL-BOND SE Liner is optional, it is not used in indirect procedures where film thickness would be an issue. The

COMPATIBILITY OF POPULAR SELF-ETCH ADHESIVES

Products	Direct to Composite	Indirect With Light	Indirect Without Light
Two Component			
ALL-BOND SE®	YES	YES	YES
Clearfil® SE Bond	YES	NO	NO
Single Component			
Clearfil® S3 Bond	YES	NO	NO
G-Bond™	YES	YES	NO
Xeno® IV	YES	YES	YES*
Optibond® All-In-One	YES	YES	YES•
Adper™ Easy Bond	YES	YES▲	YES▲
iBond®	YES	YES	NO
AdheSE® One	YES	NO	NO

* Xeno IV requires a separate dual-cure activator.
• With Optibond All-In-One, Maxcem resin cement must be used when there is no light accessibility.
▲ With Adper Easy Bond, RelyX ARC Adhesive Resin Cement must be used.
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FIGURE 1

adhesive in the ACE ALL-BOND SE cartridge has both a very low film thickness (5-10µm) and is compatible with self- and dual-cured cements. Therefore, it can be used for all your common procedures, including indirect restorations. Conversely, Clearfil SE Bond's bonding resin has a high film thickness and the product is not indicated for use under indirect restorations or with self- or dual-cured materials. (See Figure 1.)

The ACE ALL-BOND SE System Kit provides for all your adhesive needs - ideal for simple one step procedures, deep and large restorations that require extra reinforcement, direct

Top Down Esthetics

and indirect restorations, and bonding to light-, dual- and self-cured materials. As an added bonus, BISCO provides you with a free syringe of phosphoric acid etchant for etching uncut enamel, which is the recommended protocol for all self-etching adhesives. You won't need to look elsewhere for all your self-etch bonding needs.

THE ACE ALL-BOND SE STARTER KIT: THE BETTER ALTERNATIVE TO THE SINGLE BOTTLE SELF-ETCH ADHESIVE

Newer "7th generation" adhesives have shown some gain in popularity in recent years. As would be expected, they offer the simplicity and convenience of etching, priming and bonding all within a single bottle. Fewer steps and fewer components make your procedures faster and easier. With all the seemingly abundant benefits of a single bottle self-etch adhesive, why isn't everyone using them?

SELF-ETCH "ALL-IN-ONE" WHO'S AT RISK?

All self-etch adhesives contain acidic monomers, and when packaged in a single bottle, can generate self-degradation of the product during storage¹. Unstable product can result in less effective polymerization and poor bond strength. Simply stated, a self-etch adhesive in a single bottle sacrifices performance for ease-of-use.

ONLY BISCO CAN OFFER YOU THE STABILITY OF A TWO COMPONENT SELF-ETCH ADHESIVE WITH THE EASE AND CONVENIENCE OF A ONE BOTTLE ADHESIVE

With ACE ALL-BOND SE, there are no compromises or sacrifices. Because ALL-BOND SE is a two component self-etch adhesive, it is far more stable and allows for a fresh mix of product each time. Yet with the amazingly fast ACE delivery system, both components are contained in a single cartridge that fits into the ACE dispenser. All it takes is one click of a button for an application of material to be dispensed in the correct proportion. Upon mixing, the material turns pink for added confidence that the product is ready to perform, leaving

no doubt that your adhesive will give you the predictable results you desire.

INCREASED COMPATIBILITY IN A SELF-ETCH ADHESIVE

ACE ALL-BOND SE's flexibility allows it to extend beyond the typical procedural limitations of single bottle self-etch adhesives. The acidic monomers of these other products may interfere with the curing of self-cured resins, leading to debonding. That is why most one-component materials are not indicated for use with self-cured cements and indirect procedures, or they require additional products or steps to achieve compatibility. As seen in **Figure 1**, ALL-BOND SE is compatible, with no special footnotes needed, to light-, self- and dual-cured materials.

With BISCO's time-saving and economical ACE ALL-BOND SE Starter Kit, there are no multiple components or complicated steps. To etch, prime and bond—with greater compatibility to today's dental materials—it's one click and you're done.

1. N. Nishiyama, F.R. Tay, K. Fujita, D.H. Pashley, K. Ikemura, N. Hiraishi, and N.M. King. **Hydrolysis of Functional Monomers in a Single-bottle Self-etching Primer—Correlation of ¹³C NMR and TEM Findings.** *J Dent Res* 2006; 85; 422-6.

ACE ALL-BOND SE
Starter Kit

