

Bisco

CE 0459

ALL-BOND SE

Light-Cured

Self-Etching Adhesive

Instructions for Use



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Caution: U.S. Federal law restricts this device to sale by or on the order of a licensed Dentist.

ALL-BOND SE®*

Self-Etching Adhesive

GENERAL INFORMATION

BISCO's **ALL-BOND SE** is a dental bonding agent that combines etching, priming and bonding. **ALL-BOND SE** is an ethanol/water-based dental adhesive which bonds to dentin and to cut enamel. As a universal adhesive, **ALL-BOND SE** has been designed to work with light-cured, self-cured and dual-cured composite materials.

Since all self-etch adhesives contain acidic monomers, single bottle self-etch adhesives often generate self-degradation of the product during storage. **ALL-BOND SE**, as a 2-component, single-step product, can provide more stability than a 1-component, single-step material. **ALL-BOND SE** is available in a traditional two bottle system or in the convenient ACE® delivery system which dispenses both components equally in a single step.

ALL-BOND SE is regarded as a mildly aggressive self-etch adhesive (pH = 2.2). As with other mild, self-etch adhesives, **ALL-BOND SE** could benefit from previous enamel etching with phosphoric acid for improved retention. This is not required for general clinical bonding procedures when bonding to dentin or cut enamel. However, phosphoric acid etching is required when bonding to uncut enamel.

ALL-BOND SE LINER is a radiopaque, filled, resin liner intended for use with **ALL-BOND SE Self-Etching Adhesive**. **ALL-BOND SE LINER** decreases water permeability and enhances durability of the bond between **ALL-BOND SE Adhesive** and subsequent dental materials. In addition, **ALL-BOND SE LINER** is radiopaque, allowing the **ALL-BOND SE Adhesive** layer to be identified on radiographs in areas where adhesives commonly pool, to reduce the risk of misdiagnosing caries.

Indications for Use:

ALL-BOND SE Adhesive is used for:

1. Direct Composite Restorations*
2. Composite Core Build-ups*
3. Indirect Restorations (Composite, Metal, Zirconia, Alumina and Porcelain)*
4. Desensitization of Crown Preparations Prior to Impression Making/Provisionalization
5. Exposed Root Desensitization

* **NOTE:** Unlike other self-etch adhesives, **ALL-BOND SE** is chemically compatible with self-cured and dual-cured materials without the use of an additional activator.

Indications for Use:

ALL-BOND SE LINER, when used in conjunction with ALL-BOND SE Adhesive, is used for:

1. Direct Composite Restorations
2. Composite Core Build-ups
3. Indirect Restorations (Composite and Porcelain)
4. Desensitization of Crown Preparations Prior to Impression Making/Provisionalization

Warnings:

- Avoid splashing into the eyes. If **ALL-BOND SE Adhesive** (Parts I & II) comes into contact with the eyes, flush with copious amounts of water and seek medical attention.
- The phosphoric acid in the etchant is a severe eye and skin irritant. Injury may result if the etchant is allowed to remain on the skin or mucosa for extended periods of time. If accidentally splashed into the eye, flush with copious amounts of water and seek medical attention immediately. In case of contact with other tissues, rinse immediately with plenty of water for several minutes.
- Highly flammable.

Cautions:

- Cross-contamination: Product may contain items that are designed for one time use. Dispose of used or contaminated accessories. Do not clean, disinfect or reuse.

Precautions:

- **ALL-BOND SE Adhesive** may require refrigeration. Refer to specific product storage instructions for complete information prior to use.
- **ALL-BOND SE** is a light-cured material. Use **ALL-BOND SE Adhesive** immediately once it is dispensed in the mixing well, or protect from ambient light.
- If **ALL-BOND SE Adhesive** (Parts I & II) does not turn pink upon mixing, it should not be used.
- Avoid contact with the skin; unpolymerized (meth)acrylate resins may cause skin sensitization in susceptible persons. In case of contact, wash skin with soap and water.
- To avoid evaporation of **ALL-BOND SE Adhesive**, keep container tightly closed.
- See individual component labels for specific expiration dates.
- Safety data sheet available on request.
- Safety data sheet available at www.Bisco.com.

INSTRUCTIONS FOR USE

1. For Direct Composite Restorations and

2. For Composite Core Build-Ups:

NOTE: For best results, etch any uncut enamel with phosphoric acid etchant, such as UNI-ETCH®, for 15 seconds and rinse thoroughly.

1. Completely dry the tooth preparation.
2. If using the ACE delivery system, follow the ACE DISPENSER INSTRUCTIONS FOR USE for dispensation of **ACE ALL-BOND SE**. If using bottles, dispense an equal number of drops of **ALL-BOND SE Parts I & II** (1:1 ratio) into a mixing well. Immediately replace the cap(s).
3. Using a brush, mix **ALL-BOND SE** until uniformly pink.

Precautions:

- If the material does not turn pink upon mixing, it should not be used.

4. Immediately apply 1-2 coats of **ALL-BOND SE** to the dry preparation and then agitate each coat for 5-10 seconds.

- Gently air dry starting from 5cm for 5 seconds, until there is no visible movement of the material. Then with greater pressure thoroughly air dry at the cavosurface for 5 seconds. The surface should appear shiny; otherwise, apply additional coats of ALL-BOND SE and repeat Step 5.
- Light cure for 10 seconds at 500mW/cm².

ALL-BOND SE LINER can be used for added benefits:

- To add visibility to the adhesive layer on radiographs.
 - To increase the long-term durability of the bond. This is especially beneficial on deep vital dentin or large restorations.
- When using ALL-BOND SE LINER: After curing the adhesive, apply a thin coat of ALL-BOND SE LINER in a layer less than 1mm and light cure for 10 seconds at 500mW/cm².
 - Continue with placement of restorative material.

3. For Indirect Restorations (Composite, Metal, Zirconia, Alumina and Porcelain)

Tooth Preparation:

NOTE: For best results, etch any uncut enamel with phosphoric acid etchant, such as UNI-ETCH, for 15 seconds and rinse thoroughly. If placing veneers, all enamel should be etched prior to applying the ALL-BOND SE.

- Completely dry the tooth preparation.
- If using the ACE delivery system, follow the ACE DISPENSER INSTRUCTIONS FOR USE for dispensation of ACE ALL-BOND SE. If using bottles, dispense an equal number of drops of ALL-BOND SE Parts I & II (1:1 ratio) into a mixing well. Immediately replace the cap(s).
- Using a brush, mix ALL-BOND SE until uniformly pink.

Precautions:

- If the material does not turn pink upon mixing, it should not be used.
- Immediately apply 1-2 coats of ALL-BOND SE to the dry preparation and then agitate each coat for 5-10 seconds.
 - Gently air dry starting from 5cm for 5 seconds, until there is no visible movement of the material. Then with greater pressure thoroughly air dry at the cavosurface for 5 seconds. The surface should appear shiny; otherwise, apply additional coats of ALL-BOND SE and repeat Step 5.
 - Light cure for 10 seconds at 500mW/cm².
- NOTE:** ALL-BOND SE LINER should not be used on the tooth preparation.
- Continue with cementation procedures.

Indirect Restoration Preparation:

For Metal, Zirconia and Alumina Restorations:

- Prepare the internal surface of the restoration according to instructions provided by the laboratory.
- Continue with cementation procedures.

NOTE: If additional retention is required (i.e. short crowns) it is advised to apply a primer, such as Z-PRIME™ Plus, to the internal surface of the restoration prior to cementation and according to the manufacturer's instructions.

For Composite Restorations:

- Prepare the internal surface of the restoration according to instructions provided by the laboratory.
- Apply a very thin coat of ALL-BOND SE LINER to the treated surface. Do NOT light cure.
- Continue with cementation procedures.

For All-Ceramic Restorations:

IMPORTANT: Since different ceramics require different surface treatments, contact the laboratory for proper internal surface treatment instructions.

- If the laboratory recommends silanation, apply a silane primer, such as BIS-SILANE™, to the internal surface according to the manufacturer's instructions.

NOTE: Surface of the porcelain will not look any different than prior to silane application.

- For All-Ceramic Restorations Except Veneers:** Apply a very thin coat of ALL-BOND SE LINER to the silane treated surface. Do NOT light cure.
 - For Veneers:** Apply 1-2 coats of PORCELAIN BONDING RESIN* instead of ALL-BOND SE LINER to the internal surface of the restoration to maintain long-term shade stability. Do NOT light cure.
- Continue with cementation procedures.

4. For Desensitization of Crown Preparations Prior to Impression Making/

Provisionalization:

- Completely dry the tooth preparation.
- If using the ACE delivery system, follow the ACE DISPENSER INSTRUCTIONS FOR USE for dispensation of ACE ALL-BOND SE. If using bottles, dispense an equal number of drops of ALL-BOND SE Parts I & II (1:1 ratio) into a mixing well. Immediately replace the cap(s).
- Using a brush, mix ALL-BOND SE until uniformly pink.

Precautions:

- If the material does not turn pink upon mixing, it should not be used.
- Immediately apply 1-2 coats of ALL-BOND SE to the dry preparation and then agitate each coat for 5-10 seconds.
 - Gently air dry starting from 5cm for 5 seconds, until there is no visible movement of the material. Then with greater pressure thoroughly air dry at the cavosurface for 5 seconds. The surface should appear shiny; otherwise, apply additional coats of ALL-BOND SE and repeat Step 5.
 - Light cure for 10 seconds at 500mW/cm².
 - Apply a thin coat of ALL-BOND SE LINER in a layer less than 1mm and light cure for 10 seconds at 500mW/cm².
 - Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or 2x2 gauze and make the impression.
 - Continue with temporization procedure. It is recommended to coat the preparation with a water-based lubricant such as PRO-V COAT™ prior to application of the temporary material, such as PRO-V FILL™.

5. For Exposed Root Desensitization:

1. Clean root surface by scrubbing with BISCO's CAVITY CLEANSER™* and pumice (dip cotton pellet soaked with CAVITY CLEANSER into flour of pumice.)
2. Rinse thoroughly with warm water and blot dry with a cotton pellet.
3. If using the ACE delivery system, follow the ACE DISPENSER INSTRUCTIONS FOR USE for dispensation of ACE ALL-BOND SE. If using bottles, dispense an equal number of drops of ALL-BOND SE Parts I & II (1:1 ratio) into a mixing well. Immediately replace the cap(s).
4. Using a brush, mix ALL-BOND SE until uniformly pink.

Precautions:

- If the material does not turn pink upon mixing, it should not be used.
5. Immediately apply 1–2 coats of ALL-BOND SE to the dry tooth preparation and then agitate each coat for 5-10 seconds.
 6. Gently air dry starting from 5cm for 5 seconds, until there is no visible movement of the material. Then with greater pressure thoroughly air dry at the cavosurface for 5 seconds. The surface should appear shiny; otherwise, apply additional coats of ALL-BOND SE and repeat Step 6.
 7. Light cure for 10 seconds at 500mW/cm².
 8. Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or 2x2 gauze.

DISPOSAL: Refer to community provisions relating to waste. In their absence, refer to national or regional provisions relating to waste.

STORAGE: To achieve the maximum shelf life, ALL-BOND SE Adhesive (Parts I & II bottles or ACE ALL-BOND SE cartridges) should be refrigerated (2°C/36°F - 8°C/46°F). Refrigeration is not required if the product is depleted within sixty days.

Refrigerate ACE ALL-BOND SE cartridge in its sealed pouch. Do not open pouch until ready to use. Allow refrigerated ACE ALL-BOND SE cartridge to reach room temperature before use. If refrigerating a partially used cartridge, it should be kept in the ACE dispenser.

ALL-BOND SE LINER and UNI-ETCH may be stored at room temperature (20°C/68°F - 25°C/77°F).

WARRANTY: BISCO, Inc. recognizes its responsibility to replace products if proven to be defective. BISCO, Inc. does not accept liability for any damages or loss, either direct or consequential, stemming from the use of or inability to use the products as described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connection therewith.

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Z-PRIME, BIS-SILANE and CAVITY CLEANSER are trademarks of BISCO, Inc.

PORCELAIN BONDING RESIN is manufactured by BISCO, Inc.

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