



Bringing **Science** to the *Art* of Dentistry

**ALL-BOND SE™\***  
*Light-Cured Self-Etching Adhesive*  
Instructions for Use

**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 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, is far more stable than a 1-component, single-step material.

**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**  
**Radiopaque Resin Liner**

**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 you to view the **ALL-BOND SE** Adhesive layer on radiographs.

**Indications for Use (ALL-BOND SE Adhesive)**

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

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

### **Indications for Use (ALL-BOND SE LINER)**

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

<p><b>Refrigerate ALL-BOND SE Adhesive if not used within one month. Allow refrigerated ALL-BOND SE Adhesive to reach room temperature before use. ALL-BOND SE LINER may be stored at room temperature (22°C/72°F).</b></p>
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### **INSTRUCTIONS FOR USE**

#### **1. For Direct Composite Restorations and**

#### **2. For Composite Core Build-Ups:**

1. Completely dry the tooth preparation and then dispense an equal number of drops of **ALL-BOND SE Parts I & II** (1:1) into a mixing well. Immediately replace the cap.
2. Using a brush, mix **ALL-BOND SE** until uniformly pink.
3. Apply 1-2 coats of **ALL-BOND SE** to the dry preparation and then agitate for 10 seconds.
4. Gently but thoroughly air dry until there is no visible movement of the material. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND SE** and repeat Step 4.
5. Light cure for 10 seconds at 500mW/cm<sup>2</sup>.

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

- a. To add visibility to the adhesive layer on radiographs.
  - b. To increase the long-term stability of the bond, especially important on deep vital dentin or large restorations.
6. When using **ALL-BOND SE LINER**: After curing the adhesive, apply a coat of **ALL-BOND SE LINER** in a layer less than 2mm and light cure for 10 seconds at 500 mW/cm<sup>2</sup>.
  7. Continue with placement of restorative material.

### **3. For Indirect Restorations (Composite, Metal, and Porcelain)**

#### **Tooth Preparation:**

**NOTE:** If placing veneers, it is recommended to etch the enamel using UNI-ETCH<sup>®\*</sup> w/ BAC prior to applying the **ALL-BOND SE**.

1. Completely dry the tooth preparation and then dispense an equal number of drops of **ALL-BOND SE Parts I & II** (1:1) into a mixing well. Immediately replace the cap.
2. Using a brush, mix **ALL-BOND SE** until uniformly pink.
3. Apply 1-2 coats of **ALL-BOND SE** to the dry preparation and then agitate for 10 seconds.
4. Gently but thoroughly air dry until there is no visible movement of the material. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND SE** and repeat Step 4.
5. Light cure for 10 seconds at 500mW/cm<sup>2</sup>.

**NOTE:** There is no need to use **ALL-BOND SE LINER** on the tooth preparation.

6. Continue with cementation procedures.

#### **Indirect Restoration Preparation:**

##### **For Metal Restorations:**

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

**NOTE:** If additional retention is required (i.e. short crowns) it is advised to apply a metal primer, such as **ALL-BOND 3<sup>TM\*</sup>** Parts A and B, **ALL-BOND 2<sup>®\*</sup>** Primers A and B, or **One-Step<sup>®\*</sup>**, to the internal surface of the restoration prior to cementation and according to the appropriate instructions.

##### **For Composite Restorations:**

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

For All-Ceramic Restorations:

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

1. If the laboratory recommends silanation, apply 1-2 thin coats of silane, such as BIS-SILANE™\*, to the internal surface and wait for 30 seconds. Dry with air syringe.

**NOTE:** Surface of the porcelain will not look any different than prior to BIS-SILANE application.

- 2 a. **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.  
b. **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.
3. Continue with cementation procedures.

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

1. Completely dry the tooth preparation and then dispense an equal number of drops of **ALL-BOND SE Parts I & II** (1:1) into a mixing well. Immediately replace the cap.
2. Using a brush, mix **ALL-BOND SE** until uniformly pink.
3. Apply 1-2 coats of **ALL-BOND SE** to the dry preparation and then agitate for 10 seconds.
4. Gently but thoroughly air dry until there is no visible movement of the material. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND SE** and repeat Step 4.
5. Light cure for 10 seconds at 500mW/cm<sup>2</sup>.
6. Apply a coat of **ALL-BOND SE LINER** in a layer less than 2mm and light cure for 10 seconds at 500mW/cm<sup>2</sup>.
7. Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or 2x2 gauze and make the impression.
8. Continue with temporization procedure. It is recommended to coat the preparation with a water-based lubricant leaving 1-2mm at the margins for adhesion of the temporary cement.

## **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. Dispense an equal number of drops of **ALL-BOND SE Parts I & II** (1:1) into a mixing well. Immediately replace the cap.
4. Using a brush, mix **ALL-BOND SE** until uniformly pink.
5. To the dry tooth preparation, apply 1–2 coats of **ALL-BOND SE** and then agitate for 10 seconds.
6. Gently but thoroughly air dry until there is no visible movement of the material. 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/cm<sup>2</sup>.
8. Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or 2x2 gauze.

**STORAGE:** Refrigerate **ALL-BOND SE** Adhesive when storing for longer than one month. **ALL-BOND SE LINER** may be stored at room temperature (22°C/72°F). See individual component labels for specific expiration dates.

**PRECAUTIONS:** Unpolymerized resins may cause skin sensitization in susceptible persons. In case of contact with the skin, wash thoroughly with soap and water.

**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.

**CAUTION:** U.S. Federal law restricts this device to sale by or on the order of a dental professional.

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