Bisco

CE 0459

ALL-BOND 3® *Dual-Cured*

Universal Dental Adhesive System

Instructions for Use

Licensed under 1 or more of the following U.S. Patents: 7,748,980, 5,789,610, 5,270,351 & 5,401,783.

See also U.S. Patent 5,348,988.

US Patent 8,026,297

IN-159R2
Rev. 7/12

BISCO, Inc.
1100 W. Irving Park Road
Schaumburg, IL 60193
U.S.A.
847-534-6000
1-800-BIS-DENT

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

ALL-BOND 3®*
Universal Dental Adhesive System
Instructions for Use

GENERAL INFORMATION

ALL-BOND 3 is a dual-cured, universal dental adhesive system that is compatible with all dental materials. **ALL-BOND 3** is formulated with highly cross-linking monomers and is a hydrophobic adhesive for enhanced durability of the bond.

ALL-BOND 3 RESIN is a hydrophobic, radiopaque, filled bonding resin. Its radiopacity outlines the restoration and reduces the risk of misdiagnosing caries. **ALL-BOND 3 RESIN** is HEMA-Free. The absence of HEMA in the resin layer is a desirable feature that makes the bonding layer less prone to water sorption.

Indications for Use:

1. Direct Composite Restorations
2. Composite Core Build-Ups
3. Indirect Restorations (Metal, Composite, Alumina/Zirconia, Porcelain and Lithium Disilicate)
4. Endodontic Post Bonding
5. Repair of Porcelain/Lithium Disilicate Restorations
6. Repair of Porcelain-Fused-to-Metal
7. Repair of Porcelain-Fused-to-Zirconia/Alumina
8. Repair of Old or Indirect Composite Restorations
9. For Desensitization of Preparations Prior to Provisionalization/Immediate Dentin Sealing
10. For Exposed Root Desensitization

Warnings:

- Avoid splashing into the eyes. If **ALL-BOND 3** adhesive comes into contact with the eyes, flush with copious amounts of water and seek medical attention.
- When using dental adhesives, saliva contamination will seriously compromise dentin bonding.
- 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.
- Refer to product MSDS for additional risk & safety information.

Cautions:

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

Precautions:

- Refer to specific product storage instructions for complete information prior to use.
- **ALL-BOND 3** is a dual-cured material. Use **ALL-BOND 3** Adhesive immediately once it is dispensed in the mixing well, protect from ambient light.
- Avoid contact with the skin; unpolymerized resins may cause skin sensitization in susceptible persons. In case of contact, wash skin with soap and water.
- Inadequate air drying will not completely evaporate the solvent and may lead to reduced bond strength and post-operative sensitivity.
- Excessive pooling could interfere with the seating of the definitive restoration.
- See individual component labels for specific expiration dates.

INSTRUCTIONS FOR USE

1. For Direct Composite Restorations and
2. For Composite Core Build-Ups:

1. Etch the preparation for 15 seconds using UNI-ETCH®* and rinse thoroughly.
2. Remove excess water using a foam pellet or suction, leaving the preparation visibly moist.
3. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
4. Using a brush, mix adhesive for 5 seconds.
5. Apply 1-2 coats onto the entire tooth preparation with a light agitating motion for 5-10 seconds.
6. Gently air dry starting from 5cm for 5 seconds until there is no visible movement of the material. Then dry thoroughly for a minimum of 10 seconds. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND 3** and repeat Step 5.
7. Optional: Light cure for 10 seconds.
8. Optional: Apply one thin coat of radiopaque **ALL-BOND 3 RESIN**. Air thin if necessary. Light cure for 10 seconds.
9. Continue with placement of restorative material.

3. Indirect Restorations (Metal, Composite, Alumina/Zirconia, Porcelain and Lithium Disilicate)
Tooth Preparation:

1. Etch the preparation for 15 seconds using UNI-ETCH and rinse thoroughly.
2. Remove excess water using a foam pellet or suction, leaving the preparation visibly moist.
3. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
4. Using a brush, mix adhesive for 5 seconds.
5. Apply 1-2 coats onto the entire tooth preparation with a light agitating motion for 5-10 seconds.
6. Gently air dry starting from 5cm for 5 seconds until there is no visible movement of the material. Then dry thoroughly for a minimum of 10 seconds. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND 3** and repeat Step 5.
7. Optional: Light cure for 10 seconds.
8. Continue with cementation procedure.

Indirect Restoration Preparation:

For metal or composite and Alumina/Zirconia indirect restorations:

1. Prepare the internal surface of the restoration according to instructions provided by the laboratory.
2. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
3. Using a brush, mix well for 5 seconds.
4. Apply 1 coat of **ALL-BOND 3** to the bonded surface of the restoration. (Alternatively, Z-PRIME™* Plus maybe used on the restoration)
5. Thoroughly air dry.

6. Optional: Light cure for 10 seconds.

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 a thin coat of silane, such as BIS-SILANE™* or PORCELAIN PRIMER* 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 or PORCELAIN PRIMER application.
2. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
3. Using a brush, mix well for 5 seconds.
4. Apply 1 coat of **ALL-BOND 3** to the bonded surface of the restoration. (Alternatively, PORCELAIN BONDING RESIN* maybe used on the restoration).
5. Thoroughly air dry.
6. Optional: Light cure for 10 seconds.

4. For Endodontic Post Bonding:

1. Prepare the post and post space according to manufacturer's instructions.
2. Etch the canal using UNI-ETCH for 15 seconds. Rinse thoroughly and remove excess water with a brief burst of air and paper point(s) to remove any pooled water from the canal.
3. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
4. Using a brush, mix well for 5 seconds.
5. With an endodontic brush, apply 1-2 coats of **ALL-BOND 3** into the canal. Remove excess pooling of material with paper points and light suction. Follow with a gentle stream of air to thoroughly air dry.
   NOTE: The paper point step is important for removal of any pooled adhesive so that there is no interference in complete seating of the post.
6. Apply one layer of **ALL-BOND 3** to the post and air dry.
7. Optional: Light cure for 10 seconds.
8. Proceed with post cementation per manufacturer's instructions.

5. Repair of Porcelain/Lithium Disilicate Restorations:

1. Isolate the area to be repaired.
2. Remove the glaze & bevel (45°) the porcelain around the area to be repaired. Sandblast entire area or abrade with a coarse diamond bur. Rinse with water and air dry.
3. Place BARRIER GEL* on gingival tissue that may be exposed or porcelain to protect areas where etching is not desired.
4. Apply PORCELAIN ETCHANT* (9.5% HF) to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Suction the PORCELAIN ETCHANT, then rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty.
5. Clean the etched porcelain by applying UNI-ETCH and agitate for 20 seconds to remove any salts. Rinse and dry thoroughly.
6. Apply 1 thin coat of BIS-SILANE or PORCELAIN PRIMER to the etched porcelain surface and allow to dwell for 30 seconds. Dry with (warm) air syringe.
7. Apply a layer of **ALL-BOND 3 RESIN** or PORCELAIN BONDING RESIN, air dry/air thin.
8. Complete the repair using a microhybrid composite (e.g. ÆLITE™* All-Purpose Body) and finish/polish.

6. Repair of Porcelain-Fused-to-Metal:

1. Isolate the area to be repaired.
2. Remove the glaze & bevel the porcelain (45°) around the area to be repaired. Sandblast entire area or abrade with a coarse diamond bur. Rinse with water and air dry.
3. Place BARRIER GEL on gingival tissue and metal that may be exposed to protect areas where etching is not desired.
4. Apply PORCELAIN ETCHANT (9.5% HF) to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Suction the PORCELAIN ETCHANT, then rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty.
5. Clean the etched porcelain by applying UNI-ETCH and agitate for 20 seconds to remove any salts. Rinse and dry thoroughly.
6. Apply 1 thin coat of BIS-SILANE or PORCELAIN PRIMER to the etched porcelain surface and allow to dwell for 30 seconds. Dry with (warm) air syringe.
7. Apply 1-2 coats of Z-PRIME Plus or **ALL-BOND 3** to the exposed metal & dry with an air syringe for 3-5 seconds.
8. Shake OPAQUER* Base and Catalyst bottles well before dispensing. Dispense one drop each of Catalyst and Base onto a mixing pad, and mix with a brush tip. Apply a thin coat of OPAQUER only to the metal surface and allow to self cure, or light cure for 5 seconds.
9. Apply a layer of **ALL-BOND 3 RESIN** or PORCELAIN BONDING RESIN, air dry/air thin.
10. Complete the repair using a microhybrid composite (e.g. ÆLITE All-Purpose Body) and finish/polish.

7. Repair of Porcelain-Fused-to-Zirconia/Alumina:

1. Isolate the area to be repaired.
2. Remove the glaze & bevel the porcelain (45°) around the area to be repaired. Sandblast entire area or abrade with a coarse diamond bur. Rinse with water and air dry.
3. Place BARRIER GEL on gingival tissue and alumina/zirconia that may be exposed to protect areas where etching is not desired.
4. Apply PORCELAIN ETCHANT (9.5% HF) to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Suction the PORCELAIN ETCHANT, then rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty.
5. Clean the etched porcelain by applying UNI-ETCH and agitate for 20 seconds to remove any salts. Rinse and dry thoroughly.
6. Apply 1 thin coat of BIS-SILANE or PORCELAIN PRIMER to the etched porcelain surface and allow to dwell for 30 seconds. Dry with (warm) air syringe.
7. Recommended: Apply 1-2 coats of Z-PRIME Plus to the exposed zirconia/alumina & dry with an air syringe for 3-5 seconds.
8. Apply a layer of **ALL-BOND 3 RESIN** or PORCELAIN BONDING RESIN over porcelain & zirconia or alumina, air dry/air thin.
9. Complete the repair using a microhybrid composite (e.g. ÆLITE All-Purpose Body) and finish/polish.

8. Repair of Old or Indirect Composite Restorations:

1. Isolate the area to be repaired.
2. Remove the surface of the existing composite using air abrasion, diamond point or bur and bevel the margins (45°) around the area to be repaired.
3. Clean the composite by applying UNI-ETCH and agitate for 20 seconds. Rinse and dry thoroughly.
4. Recommended: Apply 1 coat of Z-PRIME Plus. Dry with an air syringe for 3-5 seconds.
5. Apply a thin layer of **ALL-BOND 3 RESIN** or PORCELAIN BONDING RESIN, air dry/air thin.
6. Complete the repair using a microhybrid composite (e.g. ÆLITE All-Purpose Body) and finish/polish.

9. <u>For Desensitization of Preparations Prior to Provisionalization/Immediate Dentin Sealing:</u>

1. Etch the preparation for 15 seconds using UNI-ETCH and rinse thoroughly.
2. Remove excess water using a foam pellet or suction, leaving the preparation visibly moist.
3. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
4. Using a brush, mix well for 5 seconds.
5. Apply 1-2 coats onto the entire tooth preparation with a light agitating motion for 5-10 seconds.
6. Gently air dry starting from 5cm for 5 seconds until there is no visible movement of the material. Then thoroughly dry for a minimum of 10 seconds. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND 3** and repeat Step 5.
   NOTE: BISCO recommends that thin layer of **ALL-BOND 3 RESIN**; radiopaque, low viscosity resin be applied and light-cured prior to impression taking. This step will smooth the preparation, block undercuts and avoid potential exposure of dentin at seating of the restoration during cleaning of adhesive interface with either airborne-particle abrasion or polishing.
7. Light cure for 10 seconds.
8. Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or gauze and make the impression.
9. 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®*.

10. <u>For Exposed Root Desensitization:</u>

1. Etch for 15 seconds using UNI-ETCH and rinse thoroughly.
2. Remove excess water using a foam pellet or suction, leaving the tooth visibly moist.
3. Dispense an equal number of drops of **ALL-BOND 3 Parts A and B** (1:1) into a mixing well.
4. Using a brush, mix well for 5 seconds.
5. Apply 1-2 coats onto the exposed root with a light agitating motion for 5-10 seconds.
6. Gently air dry starting from 5cm for 5 seconds until there is no visible movement of the material. Then thoroughly dry for a minimum of 10 seconds. The surface should appear shiny; otherwise, apply additional coats of **ALL-BOND 3** and repeat Step 5.
7. Light cure for 10 seconds.
8. Remove the oxygen-inhibited layer with an alcohol-moistened cotton pellet or gauze, or apply a coat of BisCover™* LV Liquid Polish and light cure for 30 seconds.

STORAGE: Store 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.

* ALL-BOND 3, UNI-ETCH, PRO-V COAT and PRO-V FILL are registered trademarks of BISCO, Inc.
Z-PRIME, BIS-SILANE, ÆLITE and BisCover are trademarks of BISCO, Inc.
PORCELAIN PRIMER, PORCELAIN BONDING RESIN, BARRIER GEL, PORCELAIN ETCHANT and OPAQUER are manufactured by BISCO, Inc.

BISCO, INC.
1100 W. Irving Park Road
Schaumburg, IL 60193
U.S.A.
847-534-6000
1-800-BIS-DENT
www.bisco.com

EC REP BISICO France
120, allée de la Coudoulette
13680 Lançon de Provence
France
Tél. : 33-4-90-42-92-92