

TECHNIQUE GUIDE  
ALL-BOND<sup>®</sup> 2  
UNIVERSAL ADHESIVE SYSTEM

BPDM Patent # 5,348,988  
Uni-Etch w/ BAC Patent # 5,385,728

9/98

**ALL-BOND 2** Technique Cards are provided as a concise chairside guide to various clinical procedures. Flip through the cards until you find the procedure you are about to perform. Should you need materials other than those supplied in the ALL-BOND 2 kits, they will be listed under "Also Needed".

**ALL-BOND 2** Adhesive Kits contain one of two different semi-gel etchants. UNI-ETCH® is 32% H<sub>3</sub>PO<sub>4</sub> used primarily for etching enamel and dentin and ALL-ETCH® is 10% H<sub>3</sub>PO<sub>4</sub> for etching enamel and dentin with agitation on enamel. Both etchants contain benzalkonium chloride as an effective microbial disinfectant. Special attention should be paid to the tooth before applying Etch. After etching and rinsing, remove pooled water from the preparation without drying out the dentin surface. Desiccating dentin and enamel may result in reduced bond strength. However, moisture resulting from saliva contamination is to be avoided. On the other hand, incomplete drying or evaporation of solvents from the applied primers may lead to reduced bond strength and post-operative sensitivity. Refer to the enclosed instructions for more detailed explanations.

RESINOMER™ (available separately) is a dual cure fluoride releasing, adhesive, composite liner. RESINOMER bonds tenaciously to ALL-BOND 2 as well as amalgam resulting in an effective adhesive restorative system. RESINOMER is a low viscosity resin composite containing DSDM. This Bisco developed monomer forms strong micromechanical as well as chemical bonds to all dental metals.

***ALL-BOND<sup>®</sup> 2 Technique Guide***

The following table is provided to assist you in selecting OPAQUER shades to match the Vita Shade guide. Consult this table when opaquing a metal surface before restoring with composite or porcelain.

<b><u>SHADE OF OPAQUER BASE</u></b>	<b><u>VITA<sup>®</sup> SHADE COVERAGE</u></b>
<b>L</b>	<b>A1,B1,C1</b>
<b>U</b>	<b>A2,B2,D2</b>
<b>G</b>	<b>C2,C3,C4,D3,D4</b>
<b>Y</b>	<b>A3,B3,D4</b>
<b>DY</b>	<b>A3.5,A4 (A5)*</b>

\* Additional shade developed by Bisco that is much darker than A4.

**To place an order, or for more information or technical assistance, call 1-800-BIS-DENT.**

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The ALL-BOND 2 Kit does not contain composite or composite luting cements!

1. Bisco does not recommend the use of liners or bases. If used, place the smallest amount possible.
2. After primers are applied, they must be thoroughly air dried with an air syringe to make sure all of the solvent and displaced water is removed in order to form a strong polymer in the dentinal tubules. **DO NOT DRY BETWEEN COATS!**
3. After application of A & B primers on dentin / enamel, the surface should be glossy. If not, repeat application.
4. If you choose the conservative approach not to etch dentin, it is very important that the dentin be left moist with water prior to primer application. Moist dentin is important with all procedures when using ALL-BOND 2.
5. Please use a rubber dam or other isolation methods with all bonding procedures. Moisture leads to failures.
6. If PRE-BOND RESIN is not air thinned, it may set-up prematurely. Applying PRE-BOND just prior to cementation will give the best results.
7. Bisco DUAL CURE OPAQUER sets with an oxygen inhibited layer ("sticky layer"). You may bond composite directly to this or wipe it off and apply D/E RESIN to the opaqued metal and primed porcelain, if present.
8. Lightly air thin the mixture of D/E RESIN and PRE-BOND RESIN when performing adhesive amalgam technique. This will prevent pooling in the proximal box. For a radiopaque liner, we suggest RESINOMER.
9. Desensitizing root surfaces is most effective on a freshly scaled root. A dense pellicle may form over time and make penetration of primers difficult.
10. Open primer bottles a few seconds prior to use and gently squeeze. This will allow built up vapor pressure to be released giving better dropper control.
11. Nylon or Vinyl brush tips are the adhesive applicators of choice. Sponges are not recommended.

*All-Bond® 2                      Technique - 1A*  
*Composite Restoration   Dentin / Enamel Etch*

1. Prepare cavity and clean surface with pumice.
2. Etch enamel and dentin using All-Etch (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or Uni-Etch (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!** All-Bond 2 prefers moist dentin/enamel.
3. Mix Primers A and B. Apply 5 consecutive coats to enamel and dentin. **DO NO DRY BETWEEN COATS!** After primer application is complete, dry all surface for 5-6 seconds with an air syringe to insure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient.**
4. Brush a thin layer of D/E RESIN over enamel and dentin. Light cure for 20 seconds.
5. Proceed with composite layering and finishing.

*\*Additional coats are beneficial. Apply all mixed primer.*

*All-Bond® 2                      Technique - 1B*  
*Composite Restoration Enamel etch only.*

1. Clean cavity and clean surface with pumice.
2. Etch enamel with Uni-Etch (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!** All-Bond 2 prefers moist dentin/enamel.
3. Mix Primers A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient.**
4. Brush a thin layer of D/E resin over enamel and dentin. Light cure for 20 seconds.
5. Proceed with composite layering and finishing.

*\*Additional coats are beneficial. Apply all mixed primer.*

*All-Bond® 2                      Technique – 1C*  
*Directed Shrinkage Composite Restoration*

Also needed: BISFIL™ 2B or BISFIL™ II

1. Clean cavity and clean surface with pumice.
2. Etch enamel and dentin using ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or UNI-ETCH (32%H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!** ALL-BOND 2 prefers moist dentin/enamel.
3. Mix PRIMERS A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient.** Light cure for 20 seconds.
4. Mix an equal volume of D/E RESIN and PRE-BOND RESIN on a mixing pad and brush onto entire cavity surface. Lightly air thin to avoid pooling.
5. Mix an equal portion of base and catalyst of BISFIL 2B or BISFIL II.  
Syringe BISFIL 2B or condense BISFIL II into the cavity preparation to the level of the DEJ.
6. Prior to the initial set of BISFIL composites, place a thin performed patty of light-cured composite (such as AELITEFIL™ or BISFIL™P), slightly wider than cavity preparation and lightly condense.
7. Following set of directed shrinkage composite, firmly condense light cured composite, remove excess and light cure for 40 seconds.
8. Proceed with conventional finishing and polishing.

**NOTE:** Contact with adjacent tooth should be established with a light cure composite.



***ALL-BOND® 2                      Technique - 1D***  
***Composite Surface Sealing***

Also needed: FORTIFY™ Composite Surface Sealant

**NOTE:** This procedure is to be done after final polishing and finishing. FORTIFY may also be used to seal margins of inlay/onlay and amalgam restorations.

1. Rinse tooth and restoration with copious amounts of water to remove all debris.
2. Etch the surface of the composite restoration and approximately 1 - 2 mm of enamel beyond the tooth/composite margin with UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds. Rinse and dry thoroughly.
3. Apply a thin layer of FORTIFY to etched enamel and composite surface with a disposable brush tip. **Air thin.**
4. Light cure for 20 seconds.
5. Check occlusion.

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**ALL-BOND® 2**                      *Technique – 2*  
**Porcelain/Acrylic Repair**

Also needed: Sandblaster **NOTE: Some setting of D/C OPAQUER may occur. Shake well prior to dispensing.**

1. Place rubber dam! Clean surface of porcelain and metal with pumice.
2. Bevel margin with diamond bur.
3. **Sandblast\*** metal and porcelain. Apply UNI-ETCH (32% $H_3PO_4$ ) for 5 - 10 seconds to cleanse and acidify the porcelain surface. Rinse and dry.
4. Apply Porcelain Primer ( Silane) to porcelain surface for 30 seconds. Air dry. Mix **PRIMERS A & B** and apply 2 coats to metal and porcelain. Air dry for 5-6 seconds with air syringe.
5. Mix Bisco DUAL CURE OPAQUER base and catalyst and apply a thin layer to metal. Light cure for 30 seconds to prevent slumping.
6. Apply a thin layer of D/E RESIN to porcelain and opaqued metal. Light cure for 20 seconds.
7. Proceed with composite layering and finishing. Microfil composites are not recommended.

\*If a sandblaster is not available, abrade with a medium diamond bur.

a) If metal is not present, omit metal opaquer step.

b) If acrylic is present, treat the same as porcelain. Omit silane.

\*\*If hydrofluoric acid is not available, apply UNI-ETCH (32%  $H_3PO_4$ ) for 5-10 seconds to cleanse and acidify the porcelain surface.

**ALL-BOND<sup>®</sup> 2                      Technique - 3A**  
**Porcelain cementation (Inlay, Onlay, Crown)**

Also needed: DUO-LINK<sup>™</sup> (Dual-Cure Luting Cement)

1. Remove temporary, pumice the preparation and try in the restoration.
2. Etch enamel and dentin using ALL-ETCH (10% $H_3PO_4$ ) for 15 seconds with agitation on enamel, or UNI-ETCH (32%  $H_3PO_4$ ) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!**  
ALL-BOND 2 prefers moist dentin/enamel.
3. Mix PRIMERS A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient. Light cure for 20 seconds.**
4. Apply a layer of PRE-BOND RESIN immediately prior to cementation. Air thin. Do not light cure.

**Porcelain Surface Preparation**

1. Sandblast for 1-2 seconds and acid cleanse with UNI-ETCH (32% $H_3PO_4$ ) or etch for 3-4 minutes with PORCELAIN ETCHANT (4% hydrofluoric acid). Rinse and dry.
2. Apply PORCELAIN PRIMER (silane) for 30 seconds and dry.
3. Apply a thin layer of D/E RESIN. **DO NOT LIGHT CURE!**

**Cementation**

1. Mix equal amounts of DUO-LINK<sup>™</sup> Base and Catalyst and place inside of crown.
2. Seat restoration with gentle passive pressure.
3. Remove excess adhesive paste immediately.
4. Light cure for 40 seconds.

\*DUO-LINK is Bisco's Dual Cure Resin Luting Cement.

**ALL-BOND<sup>®</sup> 2**                      **Technique - 3B**  
**Composite Cementation (Inlay, Onlay, Crown)**

**Also needed:** Sandblaster, DUO-LINK\* (Dual-cure Luting Cement), Bisco COMPOSITE ACTIVATOR†.

1. Remove temporary, pumice the preparation and try in the restoration.
2. Etch enamel and dentin using ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE! ALL-BOND 2 prefers moist dentin/enamel.**
3. Mix PRIMERS A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient. Light cure 20 seconds.**
4. Apply thin layer of PRE-BOND RESIN immediately prior to cementation. **Air thin. DO NOT LIGHT CURE!**

**Composite Surface Preparation**

1. Sandblast for 1-2 seconds. Rinse and dry.
2. Apply 2 coats of BISCO COMPOSITE ACTIVATOR to composite surface, dry with air syringe.
3. Apply a thin layer of D/E RESIN. **DO NOT LIGHT CURE!**

**Cementation**

1. Mix equal amount of DUO-LINK Base and Catalyst and place inside of crown.
2. Seat restoration with gentle and passive pressure.
3. Remove excess paste from margins immediately.
4. Light cure for 40 seconds per surface.

\* DUO-LINK is Bisco's Dual Cure Resin Luting Cement.

† COMPOSITE ACTIVATOR is a surface conditioner to improve bonding to composite surface.

**ALL-BOND® 2**                      **Technique - 3C**  
**Porcelain Veneer Cementation**

If using try-in paste, follow manufacturer's instructions. Proceed with Step #1 for final cementation.  
Also needed: CHOICE™ Porcelain Veneer Adhesive.

1. Pumice preparation, etch enamel and dentin (if present) with UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 sec. Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!**
2. Mix PRIMERS A & B. Apply 5 consecutive coats to enamel and dentin (if present). **DO NOT DRY BETWEEN COATS!** Dry all surfaces for 5-6 sec. with an air syringe to ensure thorough solvent and water removal. **Properly primed surface will appear glossy when coverage is sufficient. Light cure for 20 seconds.**
3. Brush a thin layer of D/E RESIN over enamel/dentin. **DO NOT LIGHT CURE!**

**Veneer Preparation**

1. Sandblast for 1-2 seconds and for optimum bonding, etch for 3-4 minutes with PORCELAIN ETCHANT (4% hydrofluoric acid). Rinse and dry.
2. Apply PORCELAIN PRIMER (silane) to acid etched surface of the veneer for 30 sec. Dry.
3. Apply one layer of D/E RESIN to veneer. **Do not light cure!**

**Cementation**

1. Select desired shade of CHOICE and line the inside surface of the veneer.
2. Seat veneer on tooth with gentle pressure. Remove excess with clean brush.
3. Light cure for 40 seconds per surface, beginning with the lingual.

***ALL-BOND<sup>®</sup> 2***                    ***Technique – 4***  
***Bonding to Existing Composite***

Also needed: Sandblaster

1. Pumice tooth preparation.
2. Remove layer of old composite and bevel fractured margin.
3. Sandblast composite surface.
4. Apply UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) on composite and enamel (if present) for 15 seconds.  
Rinse thoroughly. Dry for 5-6 seconds.
5. Mix PRIMERS A & B. Apply two consecutive coats. **DO NOT DRY IN BETWEEN COATS!**
6. Apply a thin layer of D/E RESIN. **LIGHT CURE FOR 20 SECONDS.**
7. Proceed with composite layering and finishing.

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**ALL-BOND<sup>®</sup> 2**                      **Technique - 5A**  
**Bonding to Metal/Amalgam**

Also needed: Sandblaster

**NOTE: Some settling of Bisco DUAL-CURE OPAQUER may occur. Shake well prior to dispensing.**

1.        **Sandblast** metal surface. Rinse thoroughly. Dry for 5-6 seconds.
2.        Etch enamel, if present, using UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds. Rinse thoroughly. Remove excess moisture with a brief burst of air.
3.        Mix PRIMERS A & B. Apply two coats to entire preparation. Dry for 5-6 seconds with an air syringe to ensure thorough solvent removal.
4.        Mix OPAQUER and apply a thin layer to primed metal/amalgam surface. Light cure 30 seconds to prevent slumping.
5.        Brush a thin layer of D/E RESIN over enamel and opaqued metal/amalgam surface. Light cure for 20 seconds.
6.        Proceed with composite layering and finishing.

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**ALL-BOND<sup>®</sup> 2**                      **Technique - 5B**  
**Adhesive Amalgam Restoration**

Optional materials: RESINOMER<sup>™</sup>, Bisco's multipurpose resin ionomer.

1. Prepare cavity and clean surface with pumice.
2. Etch enamel and dentin using ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!**  
ALL-BOND 2 prefers moist dentin/enamel.
3. Mix PRIMERS A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEENCOATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient.** Light cure to 20 seconds.
4. Mix an equal volume of D/E RESIN and PRE-BOND RESIN on a mixing pad and brush a thin layer onto entire cavity surface. Lightly air thin to avoid pooling. **(Note: A mixture of the base and catalyst of RESINOMER can be substituted for D/E RESIN and PRE-BOND RESIN. Research has shown higher bond strength and lower leakage values by using a filled adhesive such as RESINOMER.)**
5. Condense amalgam. Carve and finish as usual.

**NOTE:** Matrix band should be placed after application of mixed Primers and should be lightly lubricated by rubbing wax on matrix surface.



***ALL-BOND<sup>®</sup> 2                      Technique - 5C***  
***Bonding Fresh Amalgam to Existing Amalgam***

Also needed: Sandblaster and RESINOMER for alternate tech. (Bisco's multipurpose resin ionomer.)

1. Sandblast the surface of the existing amalgam. Rinse and dry.
2. Mix **PRIMERS A & B**. Apply two coats. Dry for 5-6 seconds with an air syringe to ensure thorough solvent removal.
3. Mix an equal amount of D/E RESIN and PRE-BOND RESIN on a mixing pad and brush a thin layer onto the surface. Lightly air thin to prevent pooling.
4. Condense amalgam.

**ALTERNATE TECHNIQUE:**

1. Sandblast the surface of the existing amalgam. Rinse and dry.
2. Mix PRIMERS A & B. Apply two coats. Dry for 5-6 seconds with an air syringe to ensure thorough solvent removal.
3. Mix an equal amount of RESINOMER Base and Catalyst on a mixing pad and brush a thin layer onto the surface.
4. Condense amalgam.

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**ALL-BOND<sup>®</sup> 2**                      **Technique - 6A**  
**Desensitizing Tooth (Root) Surface**

Also needed: Bisco CAVITY CLEANSER and pumice.

1. Clean dentin surface by scrubbing with Bisco CAVITY CLEANSER and pumice. (Dip cotton pellet soaked with CAVITY CLEANSER into flour of pumice).
2. Rinse thoroughly with warm water.
3. Blot gently with moistened cotton pellet. To minimize patient discomfort do not air dry.
4. Mix PRIMERS A & B. Apply five consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After the fifth coat, dry for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal.
5. **REPEAT STEP 4.**
6. Light cure for 10 seconds.

**NOTE:** A white line on the gingiva may be observed. This is a cured primer film. Scrub with wet cotton pellet, then peel off.

\* Desensitizing is most effective on freshly scaled root surfaces.

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**ALL-BOND<sup>®</sup> 2**  
**Shallow Class V**

**Technique - 6B**

Also needed: • Bisco GLAZE or ÆLITEFLO™

1. Pumice and etch enamel and dentin using ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!** ALL-BOND 2 prefers moist dentin/ enamel.
  2. Mix PRIMERS A & B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient.**
  3. Restore lost tooth structure with a low viscosity, flowable, composite such as Bisco GLAZE or ÆLITEFLO using an incremental placement technique.
  4. Finish.
- Bisco GLAZE or ÆLITEFLO are low viscosity flowable composites which do not require unfilled resin. However, if you are restoring with a high viscosity (stiff) composite, a layer of D/E RESIN is needed. If sclerotic dentin is present abrade with a diamond bur and etch for at least 45 seconds with 32 or 37% phosphoric acid.

**ALL-BOND<sup>®</sup> 2**                      **Technique - 7A**  
**Post Cementation Using ALL-BOND 2**

Also needed:      Bisco C & B<sup>™</sup> CEMENT

1.        Prepare post room. Adapt post according to manufacturer's directions. Etch root surface and post preparation with ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) or UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 sec. Rinse. Air dry 1-2 sec. or use paper points to remove excess water from post preparation.
2.        Mix PRIMERS A & B. Apply two consecutive coats to root canal surface. Dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. A paper point may be necessary to help with drying.
3.        Apply a thin layer of PRE-BOND RESIN with a paper point. **DO NOT LIGHT CURE!**
4.        Apply two coats of PRIMER B only to previously sandblasted or roughened metal post. Dry with an air syringe.
5.        Mix a self-cure luting composite (C & B Cement is Bisco's self-cure luting cement) and place on post. **DO NOT SPIRAL CEMENT INTO CANAL!** Seat post into preparation.
6.        Remove excess cement from around post immediately.

•*Placing luting cement directly in the canal with a lentulo spiral may cause premature set of cement.*

\***ALTERNATIVE TECHNIQUE:** Follow directions above except for step #2 and #3. Omit PRIMER A and just use PRIMER B in canal. This technique will allow you to spiral cement into the canal without premature set of cement. This alternate technique is for this procedure only.

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***ALL-BOND® 2                      Technique - 7B***  
***Core (composite) Build-Up to Post***

Also needed:      BISFIL™ CORE light-cure composite, or BIS-CORE™ dual-cure core composite, or  
CORE-FLO™ fast setting flowable core composite.

1.      Mix PRIMERS A & B. Apply five consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS.** Dry for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. Light-cure for 20 seconds.
2.      Apply thin layer of mixed D/E RESIN and PRE-BOND RESIN to root surface and post.
3.      Apply Bisco core composite thoroughly around post and complete build-up.  
If using BISFIL CORE, light cure 40 seconds per surface.

**ALL-BOND® 2                      Technique - 7C**  
**Metal Crown/Maryland Bridge Cementation**

Also needed: Bisco C & B™ CEMENT or RESINOMER™

**Tooth Preparation**

1. Remove temporary, pumice the preparation and try in the restoration.
2. Etch enamel and dentin using ALL-ETCH (10% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds with agitation on enamel, or UNI-ETCH (32% H<sub>3</sub>PO<sub>4</sub>) for 15 seconds without agitation (timing is important). Rinse thoroughly. Remove excess water with a brief burst of air. **DO NOT DESICCATE!** ALL-BOND 2 prefers moist dentin/enamel.
3. Mix PRIMERS A and B. Apply 5 consecutive coats to enamel and dentin. **DO NOT DRY BETWEEN COATS!** After primer application is complete, dry all surfaces for 5-6 seconds with an air syringe to ensure thorough solvent and displaced water removal. **Properly primed surface will appear glossy when coverage is sufficient. Light cure for 20 seconds.**
4. Apply thin layer of PRE-BOND RESIN immediately prior to cementation. **AIR THIN. DO NOT LIGHT CURE!**

**Metal Preparation** (Crown - All metals)

1. Sandblast the inside of the crown. Rinse and dry.
2. Apply 2 coats of PRIMER B only to metal surface. Dry with air syringe.

**Metal Preparation** (Maryland Bridge)

1. Sandblast\*. Rinse and dry.
2. Apply two coats of mixed PRIMER A & B. Dry.
3. Apply layer of PRE-BOND RESIN. **Air thin. Do not light cure!**

• An opaque shade of luting cement such as C & B Opaque is best for Maryland Bridge cementation.

**Cementation**

1. Mix an equal amount of Base and Catalyst of Bisco C & B CEMENT and place inside of crown or on metal attachment.
2. Seat restoration with gentle passive pressure.
3. Remove excess luting cement from margins immediately.

\* Sandblasting is highly recommended for Maryland Bridge attachments.