

*Bisco*

CE 0459

**DUOLINK™** *Dual-Cured*

*Composite Luting Cement*

**Instructions for Use**



Bringing Science to  
the *Art* of Dentistry™

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# DUO-LINK™\* Composite Luting Cement

## GENERAL INFORMATION

**DUO-LINK** is a dual-cured, radio-apparent, highly filled composite luting cement specially formulated for cementation of all-ceramic/porcelain, metal or composite fixed restorations as well as fiber and metal posts. It is available in two aesthetic shades, Translucent and Clear. **DUO-LINK** is intended for use with universal adhesives such as ALL-BOND 2<sup>®</sup>, ALL-BOND 3<sup>®</sup>, ONE-STEP<sup>®</sup>A\*/ONE-STEP PLUS or ALL-BOND SE<sup>®</sup>A\*.

### Indications for Use

Use **DUO-LINK** to cement the following:

1. Metal crowns, bridges, inlays, and onlays (includes porcelain-fused-to-metal and composite-to-metal)
2. Resin crowns, bridges, inlays, and onlays
3. Fiber/non-metal and metal (prefabricated or cast) endodontic posts
4. Porcelain crowns, inlays, and onlays (includes alumina and zirconia)

**NOTE:** It is recommended to use **CHOICE™\*2** for veneer cementation.

## TECHNICAL INFORMATION

### At Room Temperature (20°C/68°F-25°C/77°F):

|                      | <u>Individual Syringes</u>                   | <u>Dual-Syringe</u>    |
|----------------------|--|------------------------|
| <b>Working Time:</b> | Minimum 2 min. 15 sec.<br>(including mixing) | Minimum 2 min.         |
| <b>Setting Time:</b> | Maximum 6 min. 30 sec.                       | Maximum 5 min. 30 sec. |

**Working and setting times will be accelerated in the warm intraoral environment. Also, the cement will set quickly once it comes in contact with the ALL-BOND 2 primers on the tooth.**

## INSTRUCTIONS FOR USE

### ALL-CERAMIC/PORCELAIN AND COMPOSITE RESTORATION CEMENTATION

#### **A. Tooth Preparation**

1. Remove provisional restoration and thoroughly clean the preparation. Eugenol may affect curing of some composite materials. If eugenol-containing temporary cement was used, clean the preparation with pumice to remove all traces of the cement.
2. Etch using an etchant, such as UNI-ETCH<sup>®</sup> w/BAC or ETCH-37<sup>™</sup>\* w/BAC, according to the manufacturer's instructions. If using a self-etch adhesive such as ALL-BOND SE, skip this step and proceed to step 3.
3. Apply an adhesive, such as ALL-BOND 2, ALL-BOND 3, ONE-STEP/ONE-STEP PLUS, or ALL-BOND SE, according to manufacturer's instructions.

#### **B. Restoration Preparation**

##### All-Ceramic/Porcelain Restorations:

**IMPORTANT:** Since different ceramics require different surface treatments, contact laboratory for proper internal surface treatment instructions (i.e. etching).

1. If the restoration requires silane, apply 1–2 thin coats of silane such as BIS-SILANE<sup>™</sup>\* to the internal surface, prior to try-in of the restoration. Wait for 30 seconds. Dry with air syringe.
2. Apply a thin coat of a HEMA-Free resin such as PORCELAIN BONDING RESIN\*. Air thin. **DO NOT LIGHT-CURE.** OR  
Apply adhesive according to manufacturer's instructions.

### **Composite Restorations:**

1. Prepare the internal surface of the restoration according to laboratory instructions.
2. Apply one coat of adhesive according to manufacturer's instructions.

### **Metal Restorations (including Porcelain fused to Metal):**

1. Prepare the internal surface of the restoration according to laboratory instructions.
2. Apply one coat of a metal primer such as ALL-BOND 2 Primers A & B, ALL-BOND 3 Parts A & B, or ONE-STEP/ ONE-STEP PLUS according to manufacturer's instructions.

## **C. Cementation**

1. If using the dual-syringe delivery system, follow the enclosed **DUAL-SYRINGE INSTRUCTIONS FOR USE** for dispensation and delivery of **DUO-LINK**. If using individual syringes, mix equal amounts of **DUO-LINK** base and catalyst into a uniform paste (10-15 seconds) until the paste is a uniform color. Fill the internal surface of the restoration with **DUO-LINK** using an instrument.
2. Seat the restoration with gentle, passive pressure.
3. Remove excess cement immediately with a brush or instrument.
4. Light cure each surface of the restoration for 40 seconds.

## **POST CEMENTATION**

### **A. Post Space Preparation**

1. Etch using an etchant, such as UNI-ETCH w/BAC or ETCH-37 w/BAC, according to manufacturer's instructions, and rinse with water.
2. Blot the canal dry with a large paper point to remove excess moisture.
3. Apply an adhesive, such as ALL-BOND 2, ALL-BOND 3 or ONE-STEP/ONE-STEP PLUS, according to the manufacturer's instructions.
4. Blot the canal dry with a paper point; repeat with a new paper point until the paper point returns dry from the canal. This step is important for removal of any pooled primers so that there is no interference in complete seating of the post.
5. Light cure adhesive, as necessary, according to manufacturer's instructions.

### **B. Post Cementation**

1. Coat a light-transmitting post such as D.T. LIGHT-POST\*\* with an adhesive, according to manufacturer's instructions. Or, prepare the surface of the post according to post manufacturer's instructions.
2. If using the dual-syringe delivery system, follow the enclosed **DUAL-SYRINGE INSTRUCTIONS FOR USE** for dispensation and delivery of **DUO-LINK**. If using individual syringes, mix equal amounts of **DUO-LINK** base and catalyst into a uniform paste (10-15 seconds) until the paste is a uniform color.
3. Fill a UNIT-DOSE NEEDLE-TIP\* with **DUO-LINK** and inject it in the canal. Start at the apical end of the canal and withdraw the tip towards the pulp chamber. Or, use the dual-syringe root canal mixing tip.
4. Seat the post into the canal gently and maintain firm pressure for 5-10 seconds once the post is seated.
5. Remove excess cement and light cure for 40 seconds by placing the light tip on the post, or allow to self cure if post is not light transmitting.
6. Proceed with restorative treatment.

**STORAGE:** Store at room temperature (20°C/68°F-25°C/77°F). See individual component labels for specific expiration dates.

**PRECAUTIONS:** Uncured resins may cause skin sensitization in susceptible persons. In case of contact, wash skin 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 damage 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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PORCELAIN BONDING RESIN is manufactured by BISCO, Inc.  
D.T. LIGHT-POST is a registered trademark of RTD France.  
UNIT-DOSE NEEDLE TIPS are distributed by BISCO, Inc.
- ▲ Unlike ONE-STEP and ALL-BOND SE, not all one-bottle systems or self-etch adhesives bond to self-cured or dual-cured materials. Check with manufacturer's instructions.

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