

*Bisco*

**C€0459**

***DUO-LINK UNIVERSAL™***

*Dual-  
Cured*

*Resin Luting Cement*

## Instructions for Use



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# DUO-LINK UNIVERSAL™\*

## Resin Luting Cement

### GENERAL INFORMATION

**DUO-LINK UNIVERSAL** is a dual-cured, resin luting cement and is specially formulated for cementation of ALL indirect restorations. It is available in two esthetic shades: Universal and Milky White. DUO-LINK cement provides all of the desired properties for universal cementation: high radiopacity, high mechanical strength, high bond strength, low film thickness, and easy clean-up. **DUO-LINK UNIVERSAL** is intended for use with adhesives designed for compatibility with all dental materials, including all BISCO adhesives.

#### Indications for Use:

1. All indirect restorations (i.e. crowns, fixed prostheses (bridges), inlay, onlays fabricated from metal composite, porcelain, ceramic, zirconia, alumina, and CAD/CAM restorations)
2. All endodontic posts (i.e. fiber, composite, and metal/zirconia)
3. All cement retained implant restorations (i.e. screws and crowns)
4. Veneers (composite, all-ceramic and zirconia)

#### Warnings:

- This product may not be appropriate for use in patients who have a history of allergic reactions to methacrylate resins.
- When using dental adhesives, saliva and oral fluid contamination will seriously compromise dentin bonding.

#### 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:

- 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.
- Working and setting times will be accelerated in the warm intraoral environment.
- Refer to the manufacturer's instructions. Unlike BISCO adhesives, not all bonding systems are chemically compatible with self-cured or dual-cured materials.
- For thin veneers it is recommended to use CHOICE™\* 2 for cementation.
- To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application.
- Since different ceramics require different surface treatments (e.g. etching or particle abrasion), contact the laboratory or manufacturer for proper internal surface treatment instructions.
- Do not use hydrogen peroxide, EDTA, or eugenol containing materials prior to the adhesive procedure as these materials may inhibit bonding.
- Safety data sheet available on request.
- Safety data sheet available at [www.Bisco.com](http://www.Bisco.com).

### TECHNICAL INFORMATION

Working Time:	Minimum 2 minutes at 22°C (71.6°F)
Setting Time:	Maximum 3 minutes, 30 seconds at 37°C (98.6°F)

Working time and Setting time may vary based on storage conditions, temperature, humidity, etc. Excess material is light-cured with a LED polymerization light for 2-3 seconds per quarter surface (mesio-facial, disto-facial, disto-ligual, mesio-lingual), at a distance of approximately 0-10 mm.

### INSTRUCTIONS FOR USE

#### A. Tooth Preparation

1. Remove provisional restoration and thoroughly clean the preparation.
2. Apply an adhesive that is compatible with all dental materials according to manufacturer's instructions.  
**NOTE:** All BISCO adhesives have been designed for optimal bond strengths with BISCO's **DUO-LINK UNIVERSAL** cement.

#### B. Restoration Preparation

##### **Preparation of Glass Ceramics/porcelain (silica-based) or Lithium Disilicate/Silicate Restorations:**

1. Since different ceramics require different surface treatments (e.g. etching or particle abrasion), contact the laboratory or manufacturer for proper internal surface treatment instructions.
2. Clean the bondable surfaces of the restoration; rinse and air dry.
3. Apply 1 coat of silane, such as BISCO's PORCELAIN PRIMER®. Dry with an air syringe.  
**NOTE:** BISCO's research demonstrates silane maintains bond durability, maximizing longevity to glass ceramics.
4. Proceed with cementation.

### **Priming of Metal, Zirconia, Alumina, Composite, and Post Restorations:**

1. Prepare the surface of the restoration according to instructions provided by the laboratory or the manufacturer. (e.g. particle abrasion)
2. Clean the bondable surfaces of the restoration; rinse and air dry.
3. Apply 1 coat of Z-PRIME™+ Plus, uniformly wetting the bondable surface. Dry thoroughly with an air syringe.
4. Proceed with cementation.

### **C. Cementation**

#### **Cement Mixing Procedures:**

1. Remove the syringe cap from the dual-syringe.
2. Dispense a small amount of material onto a mixing pad to eliminate any voids in each chamber of the dual-syringe.
3. Attach a mixing tip to the dual-syringe by lining up the key and keyway. Then turn the brown locking mechanism clockwise.
4. Pressing the plunger will mix and dispense the **DUO-LINK UNIVERSAL**. (See "TECHNICAL INFORMATION" Section for Working and Setting Time information.)

#### **Cementation Procedures:**

1. Apply cement to the bondable surfaces of the restoration. For inlays, it may be easier to apply the cement directly to the tooth preparation.
2. Fully seat the restoration and gently remove the excess cement with a brush prior to spot curing the margins for 2-3 seconds per quarter surface (mesio-facial, disto-facial, disto-lingual, mesio-lingual).

#### **OR**

For post cementation, using the root canal mixing tip inject **DUO-LINK UNIVERSAL** into the canal. Start at the apical end of the canal and withdraw the tip slowly while keeping the tip in the cement to minimize voids. Coat the apical end of the post with cement. Seat the post into the canal gently and maintain firm pressure for 20-30 seconds once the post is seated.

3. Optional: after excess cement has been removed each surface of the restoration may be cured for up to 40 seconds.

**HYGIENE:** Use of commonly available hygienic protective covering to avoid any contamination of the **DUO-LINK UNIVERSAL** auto-mix dual-syringes during the treatment is recommended.

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

**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.

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PORCELAIN PRIMER is manufactured by BISCO, Inc.

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