

Bisco

CE 0459

DUOLINK™ / *Dual-Cured*

Composite Luting Cement

Instructions for Use



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

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 Translucent. DUO-LINK is intended for use with adhesives designed for compatibility with all dental materials, including all BISCO adhesives.

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)

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.
- To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application.
- Refer to the manufacturer's instructions. Unlike BISCO adhesives, not all bonding systems are chemically compatible with self-cured or dual-cured materials.
- It is recommended to use CHOICE™ 2 for veneer cementation.
- 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.

TECHNICAL INFORMATION

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

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

Working time and Setting time may vary based on storage conditions, temperature, humidity, etc.

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 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[®], according to manufacturer instructions. 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 for 3-5 seconds.
4. Proceed with cementation.

C. Cementation

Cement Mixing Procedures:

Dual Syringe

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**. (See "TECHNICAL INFORMATION" Section for Working and Setting Time information.)

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.

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-ligual, mesio-lingual).

OR

For post cementation, using the root canal mixing tip inject **DUO-LINK** 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** syringes during 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.

- * **DUO-LINK**, **CHOICE** and **Z-PRIME** are trademarks of BISCO, Inc.
PORCELAIN PRIMER is manufactured by BISCO, Inc.