

Bisco

Post Placement Kit

Post Cementation and Core Build-Up System

Instructions for Use



IN-167R2
Rev. 10/16

BISCO, Inc.
1100 W. Irving Park Road
Schaumburg, IL 60193
U.S.A.
847-534-6000
1-800-247-3368

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

POST PLACEMENT KIT

Post Cementation and Core Build-Up System

GENERAL INFORMATION

BISCO's **POST PLACEMENT KIT** is a comprehensive system enabling the effective cementation of any endodontic post as well as the placement of the core build-up. This system comes complete with all necessary bonding, cementation and core build-up materials including:

- **UNI-ETCH®* w/BAC** a semi-gel 32% phosphoric acid etchant.
- **ONE-STEP®* PLUS** a total etch adhesive that is fully compatible with dual-cured and self-cured materials without the use of additional activators.
- **DUO-LINK™*** a dual-cured, resin cement with the highest degree of conversion on the market.
- **LIGHT-CORE™*** a light-cured, core build-up material with excellent physical and handling properties.

Indications for Use:

Post cementation and core build-up

Warnings:

- DuoLink may not be appropriate for use in patients who have a history of allergic reactions to methacrylate resins.
- Do not clean the canal using hydrogen peroxide as it may inhibit bonding
- When using dental adhesives, saliva and oral fluid 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. In case of contact with other tissues, rinse immediately with plenty of water for several minutes.
- If etchant is accidentally splashed into the eye, flush with copious amounts of water and seek medical attention immediately.
- ONE-STEP PLUS is Highly Flammable.

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:

- To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application.

* UNI-ETCH and ONE-STEP are registered trademarks of BISCO, Inc.
DUO-LINK and LIGHT-CORE are trademarks of BISCO, Inc.

- Keep etchant away from direct sunlight. Prolonged exposure to sunlight could cause a discoloration of the etchant; this will not compromise the efficacy of the product.
- Test the application of etchant on a mixing pad or a glass slab, BEFORE use on patients so as to become familiar with the pressure required to dispense the Etchant from the tip. Never use intraorally before checking flow from tip. Never use force on plunger to start flow intraorally; this could result in a subsequent uncontrolled discharge of material. If resistance to flow is experienced, DO NOT proceed. Replace with new tip and verify flow before use on patient.
- See individual component labels for specific expiration dates.
- For ONE-STEP PLUS, shake bottle well to redistribute any filler particles that may have settled. If needed, invert bottle and tap on hard surface to free agitator. Allow bottle to vent in an upright position prior to dispensation.
- Avoid contact with the skin; unpolymerized (meth)acrylates 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.
- In order to achieve a 5mm bulk cure of the LIGHT-CORE, the curing light tip should be placed at 0mm from the composite material after the first 5 seconds of light curing.
- Safety data sheet available on request.
- Safety data sheet available at www.Bisco.com.

INSTRUCTIONS FOR USE

1. POST CEMENTATION

Prior to these cementation steps, prepare the canal according to post manufacturer's instructions, select the proper post size and try in the post for proper fit.

WARNING: Do not clean the canal using hydrogen peroxide as it may inhibit bonding.

A. Post Space Preparation:

- (1.) To the prepared canal, apply UNI-ETCH w/BAC for 15 seconds and rinse with water.
- (2.) Blot the canal with a paper point to remove excess moisture.
- (3.) Apply 2 coats of ONE-STEP PLUS to the walls of the canal using an ENDO APPLICATOR.
- (4.) Blot the canal dry with paper points until the paper point returns dry from the canal.

PLEASE 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.

- (5.) Light cure ONE-STEP PLUS for a minimum of 10 seconds at 500 mW/cm². (Position the light as close as possible to the canal opening. **Light access is necessary for curing ONE-STEP PLUS in the canal.**)

B. Post Cementation:

NOTE: Prepare the post surface according to post manufacturer's instructions.

- (1.) Coat the post with ONE-STEP PLUS and light cure for 10 seconds at 500 mW/cm².
- (2.) Thinly coat the post with DUO-LINK and then apply DUO-LINK to the canal using the Dual-Syringe:
 - a. Remove the Dual-Syringe cap and express some material to confirm that the syringe is free of voids.
 - b. Attach the root canal tip to the mixing tip and then attach mixing tip to Dual-Syringe.
 - c. Express DUO-LINK directly into the canal working in an apical to coronal direction.
- (3.) Quickly seat the post into the canal. Maintain firm pressure for 5-10 seconds once the post is seated.
- (4.) Remove excess cement and light cure for 40 seconds at 500 mW/cm² by placing the light tip on the post.
- (5.) Once the cement has set, proceed with the core build-up.

2. CORE BUILD-UP

- (1.) Clean all surfaces that will receive the core material (including the post) with a slurry of pumice and CAVITY CLEANSER™* or pumice and water. Rinse and dry.
- (2.) Etch the tooth structure for 15 seconds using UNI-ETCH w/BAC.
- (3.) Apply 1-2 coats of ONE-STEP PLUS. Gently air dry to evaporate the solvent. Light cure for 10 seconds at 500 mW/cm².
- (4.) Dispense desired amount of LIGHT-CORE onto a light-protected mixing pad by turning the syringe handle clockwise.

NOTE: To prevent excessive material from extruding from syringe, turn handle counterclockwise immediately after the desired amount is dispensed.
- (5.) Place core material into the preparation (and around post) in increments (not to exceed 5 mm).
- (6.) Light cure each increment for a minimum of 20 seconds at 500 mW/cm².

* CAVITY CLEANSER is a trademark of BISCO, Inc.

3. FINAL PREPARATION

Conventional principles of tooth preparation (with proper ferrule) must be followed for optimal results.

- Preparation for final restoration must end on sound tooth structure.
- There must be 1.5 mm of sound tooth structure beyond the core material.
- Positive horizontal and vertical walls should exist.

HYGIENE:

- To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application. If used intraorally, wipe mixing tip with disinfectant prior to storage.
- Re-cap the etchant syringe with the luer lock cap.
- Use of commonly available hygienic protective covering to avoid any contamination of 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). See individual component labels for specific expiration dates.

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.

BISCO, INC.
1100 W. Irving Park Road
Schaumburg, IL 60193
U.S.A.
847-534-6000
1-800-247-3368
www.bisco.com