Bisco CE 0459

CORE-FLO™ DC *Dual-Cured*

Flowable Core Build-Up Composite

Instructions for Use

Bringing Science to the *Art* of Dentistry™

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

CORE-FLO™* DC

Dual-Cured Flowable Core Build-Up Composite

GENERAL INFORMATION

CORE-FLO DC is a flowable dual-cured, fluoride-containing, radiopaque core build-up composite. **CORE-FLO DC** is specifically designed to cement posts and build-up the core structure in one easy application. **CORE-FLO DC** is also an ideal dentin replacement material. **CORE-FLO DC** comes in an automix dual-syringe and is dispensed with the DUAL-SYRINGE DISPENSER. **CORE-FLO DC** is intended for use with an adhesive system such as ONE-STEP®*/ONE-STEP PLUS that is compatible with dual-cured materials.

Indications for use:

The principle indications for use of **CORE-FLO DC** are:

1. Core build-up material
2. Cementation of posts or pins
3. Dentin replacement material

Warnings:

- When using dental adhesives, saliva 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. If accidentally splashed into the eye, flush with copious amounts of water and seek medical attention immediately. In case of contact with other tissues, rinse immediately with plenty of water for several minutes.
- Refer to product MSDS for additional risk & safety information.

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 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 ONE-STEP/ONE-STEP PLUS, not all one bottle total etch or self etch systems bond to self-cured or dual-cured materials.
- Refer to DUAL-SYRINGE DISPENSER INSTRUCTIONS FOR USE section for the proper handling of the dispenser.
- See individual component labels for specific expiration dates.
- Do not use Hydrogen Peroxide or EDTA when cleaning the preparation as these materials may inhibit bonding.

TECHNICAL INFORMATION

At room temperature (20°C/68°F - 25°C/77°F):

Working Time:	Minimum 2 minutes
Setting Time:	Maximum 7 minutes

INSTRUCTIONS FOR USE

1. POST CEMENTATION AND CORE BUILD-UP TECHNIQUE USING CORE-FLO DC

When using CORE-FLO DC as a cement and core build-up material

A. Post Space Preparation

(1) Isolate tooth and prepare cavity in a conservative manner. Apply a phosphoric acid etchant such as UNI-ETCH®* w/BAC according to the manufacturer's instructions. When using UNI-ETCH w/BAC, apply etchant to the canal and all surfaces that will receive the core material. Allow etchant to remain in place for 15 seconds.

(2) Rinse thoroughly with water to completely remove all traces of etchant.

(3) Blot the canal with a large paper point to remove excess moisture.

(4) Apply an adhesive such as ONE-STEP/ONE-STEP PLUS according to the manufacturer's instructions. When using ONE-STEP/ ONE-STEP PLUS, apply 2 coats of adhesive to the walls of the canal and all surfaces that will receive the core material.

(5) Blot the canal dry with paper points until the paper point returns dry from the canal and gently air dry the adhesive to evaporate the solvent.

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.

(6) Light cure the adhesive according to the manufacturer's instructions. ONE-STEP/ONE-STEP PLUS should be light-cured for a minimum of 10 seconds at 500mW/cm^2. Position the light as close as possible to the canal opening.

B. Post Cementation and Core Build-Up

(1) Determine the post length according to the manufacturer's instructions.

(2) Coat the surface of the post with an adhesive such as ONE-STEP/ONE-STEP PLUS according to the manufacturer's instructions. When using ONE-STEP/ONE-STEP PLUS, coat the post with the adhesive, lightly air dry and light cure for 10 seconds at 500mW/cm^2.

(3) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE in Section 4 for Preparation of the Dual-Syringe for dispensing **CORE-FLO DC**.

(4) Express **CORE-FLO DC** directly into the canal working in an apical to coronal direction.

(5) Quickly seat the post into the canal. Maintain firm pressure for 5-10 seconds once the post is seated.

(6) Continue to express **CORE-FLO DC** around the post and build-up the core to the desired height and shape.

(7) Remove the excess material and light cure for 40 seconds at 500mW/cm^2 by placing the light tip as close as possible to the post and core build-up.

(8) Continue with final preparation for the impression.

2. CORE BUILD-UP USING CORE-FLO DC

When using CORE-FLO DC as a core build-up material

A. Post and Core Preparation

(1) Isolate tooth and prepare the cavity in a conservative manner. Rinse and dry.

(2) Etch the tooth structure using a phosphoric acid etchant such as UNI-ETCH w/BAC according to the manufacturer's instructions. When using UNI-ETCH w/BAC, apply etchant to the tooth structure and allow etchant to remain in place for 15 seconds. Rinse and remove excess water, leaving tooth structure visibly moist with a shiny surface.

(3) Apply an adhesive such as ONE-STEP/ONE-STEP PLUS according to the manufacturer's instructions. When using ONE-STEP/ ONE-STEP PLUS, apply a minimum of 2 generous coats to the entire preparation, rewetting brush between coats. Agitate slightly for 10-15 seconds and gently air dry to evaporate the solvent. Light cure for 10 seconds at 500mW/cm^2.
NOTE: After drying, the surface should be shiny with ONE-STEP/ONE-STEP PLUS visible on the preparation. If not, apply more ONE-STEP/ONE-STEP PLUS and air dry. Light cure for 10 seconds.

B. Core Build-Up

I. Core Build-Up Manually "Free-Hand"

(1) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE in **Section 4** for Preparation of the Dual-Syringe for dispensing **CORE-FLO DC**.
(2) Express CORE-FLO DC directly into the preparation and around the post, if present. Continue to build until cavity preparation is filled to the desired level.
(3) Light cure for 40 seconds at 500mW/cm^2 by placing the light tip as close as possible to the post (if present) and core build-up.
(4) Following final set of **CORE-FLO DC**, continue with final preparation for the impression.

II. Core Build-Up With COREFORM*

(1) Select the appropriate-sized COREFORM.
(2) Trim the COREFORM using scissors to achieve the correct gingival contour and occlusal height.
(3) Follow the enclosed DUAL-SYRINGE INSTRUTIONS FOR USE in **Section 4** for Preparation of the Dual-Syringe for dispensing **CORE-FLO DC**.
(4) Express **CORE-FLO DC** directly into the COREFORM.
(5) Position the filled COREFORM onto the tooth preparation (including posts) using gentle pressure. Remove excess material around margins.
(6) Light cure for 40 seconds at 500mW/cm^2 by placing the light tip as close as possible to the COREFORM.
(7) Remove the COREFORM using a scalpel or a rotating instrument. Fill in any voids using a flowable composite such as AELITEFLO™*/AELITEFLO LV.
(8) Following final set of **CORE-FLO DC**, continue with final preparation for the impression.

3. DENTIN REPLACEMENT MATERIAL

When using CORE-FLO DC as a Base Increment Composite

(1) Isolate tooth and prepare the cavity in a conservative manner. Rinse and dry.
(2) Etch the tooth structure using a phosphoric acid etchant such as UNI-ETCH w/BAC according to the manufacturer's instructions. When using UNI-ETCH w/BAC, apply etchant to the tooth structure and allow etchant to remaining place for 15 seconds. Rinse and remove excess water, leaving tooth structure visibly moist with a shiny surface.
(3) Apply an adhesive such as ONE-STEP/ONE-STEP PLUS according to the manufacturer's instructions. When using ONE-STEP/ ONE-STEP PLUS, apply a minimum of 2 generous coats to the entire preparation, rewetting brush between coats. Agitate slightly for 10-15 seconds and gently air dry to evaporate the solvent. Light cure for 10 seconds at 500mW/cm^2.
NOTE: After drying, the surface should be shiny with ONE-STEP/ONE-STEP PLUS visible on the preparation. If not, apply more ONE-STEP/ONE-STEP PLUS and air dry. Light cure for 10 seconds.
(4) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE in **Section 4** for Preparation of the Dual-Syringe for dispensing **CORE-FLO DC**.
(5) Express **CORE-FLO DC** only to the level of the dentin-enamel junction. Before the end of the working time, place a small increment of a light-cured composite, such as ÆLITE™* Aesthetic Enamel, ÆLITE All-Purpose Body, or REFLEXIONS™* XP Enamel into the preparation. Pack lightly and burnish against the **CORE-FLO DC** in order to express entrapped air. Following final set of **CORE-FLO DC**, continue to firmly pack a light-cured composite, building incrementally until cavity preparation is filled. Light cure according to manufacturer's instructions.
(6) Check the occlusion and continue with finishing and polishing procedures.

4. DUAL-SYRINGE INSTRUCTIONS FOR USE

Loading the Dual-Syringe into the DUAL-SYRINGE DISPENSER

(1) Position the DUAL-SYRINGE DISPENSER's plunger to accept a Dual-Syringe cartridge by pushing up on the release lever located on the rear of the DUAL-SYRINGE DISPENSER. While the plunger release is pushed up the plunger is able to slide back and forth freely. Pull the plunger all the way back.
(2) The Dual-Syringe cartridge fits into the DUAL-SYRINGE DISPENSER only one way. When viewed from the side, orient the cartridge to match the slot on the front of the DUAL-SYRINGE DISPENSER. Slide the cartridge into the DUAL-SYRINGE DISPENSER until you hear a click. The click ensures that the cartridge is fully seated and locked into place.

Removing the Dual-Syringe cartridge cap and attaching the mixing tip

(1) To remove the cartridge cap, turn it 90-degrees counterclockwise and pull it off.
(2) Before placing the Mixing Tip on the Dual-Syringe cartridge, squeeze the handle of the DUAL-SYRINGE DISPENSER until a small amount of material flows from both barrels of the Dual-Syringe cartridge and wipe onto a mixing pad. This is to ensure a homogenous mixture of material.
(3) Select either the Root Canal Tip or Intra-Oral Tip and attach it to the Mixing Tip.
(4) Align the small v-shaped tab on the base of the Mixing Tip with the v-shaped notch on the Dual-Syringe. Push the Mixing Tip onto the Dual-Syringe and turn the barrel 90-degrees in a clockwise direction.
(5) Dispense the desired amount of material by repeatedly squeezing the handle.

Removal

(1) To remove the Dual-Syringe from the Dispenser, push the plunger release lever up and fully retract the plunger. Slide the Dual-Syringe out of the Dispenser. It should slide freely, otherwise lift the release lever once again, pull back on the plunger and make certain that it is fully retracted.

Precautions:

- Sterilization Method: The dispenser may be gamma-sterilized or H_2O-sterilized only.
- Disinfecting Method: The dispenser is to be cleaned with a disinfectant, according to the manufacturer's instructions, after each use.

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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