

*Bisco*

CE 0459

***CORE-FLO™ DC*** *Dual-Cured*

*Flowable Core Build-Up Composite*

## Instructions for Use



BISCO, Inc.  
1100 W. Irving Park Rd.  
Schaumburg, IL 60193  
U.S.A.

IN-176R7  
Rev. 4/18

1-847-534-6000  
1-800-247-3368

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

# 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 a bonding agent that is compatible with dual-cured materials, such as BISCO adhesives.

### 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:

- Contamination by saliva, blood, or water should be avoided during these procedures. When using dental adhesives, contamination will compromise dentin bonding and may result in decreased longevity of the restoration.
- A rubber dam is recommended for all indications where contamination may be possible.

### 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.
- To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application. Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended. If used intraorally, wipe mixing tip with disinfectant prior to storage.
- Refer to the manufacturer's instructions. Unlike Bisco adhesives, not all one bottle total-etch or self-etch systems bond to self-cured or dual-cured materials.
- Isolate the core build-up for taking impressions or fabricating temporary crowns/bridges (it may be sufficient to moisten it thoroughly), in order to prevent any bonding with these materials.
- Refer to DUAL-SYRINGE DISPENSER INSTRUCTIONS FOR USE section for the proper handling of the dispenser.
- If refrigerated, allow **CORE-FLO DC** to reach room temperature before use.
- Safety data sheet available on request.
- Safety data sheet available at [www.Bisco.com](http://www.Bisco.com).

## TECHNICAL INFORMATION

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

Working Time: Minimum 2 minutes

Setting Time: Maximum 7 minutes

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

## INSTRUCTIONS FOR USE

### 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, use gentle steady pressure to 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 using gentle steady pressure. (See "TECHNICAL INFORMATION" Section for Working and Setting Time information.)

## **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.

## **1. CORE BUILD-UP USING CORE-FLO DC**

- (1) Isolate the tooth with a rubber dam.
- (2) Apply an adhesive according to the manufacturer's instructions; we recommend the use of any BISCO adhesive.
- (3) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE for loading of the Dual-Syringe for dispensing **CORE-FLO DC**.
- (4) a. If using a matrix band: place a matrix band around the prepared tooth. Place the end of the intra-oral tip directly on to the preparation and dispense **CORE-FLO DC**. Light cure for 40 seconds.  
b. If using a core form: place the mixing tip directly into the core form and dispense **CORE-FLO DC**. Place the loaded core form onto the prepared tooth and hold in place, light cure for 40 seconds.
- (5) Prepare and finish the core in the usual manner using diamond and carbide burs.

## **2. POST CEMENTATION AND CORE BUILD-UP TECHNIQUE USING CORE-FLO DC**

- (1) Isolate tooth and prepare the tooth according to the post manufacturer's instructions.
- (2) Apply an adhesive according to the manufacturer's instructions; we recommend the use of any BISCO adhesive. Prior to light curing, 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.
- (3) Coat the surface of the post with an adhesive according to the manufacturer's instructions. This will increase the wettability of the post.
- (4) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE for loading of the Dual-Syringe for dispensing **CORE-FLO DC**.
- (5) Using the root canal mixing tip inject **CORE-FLO DC** 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.
- (6) Coat the apical end of the post with **CORE-FLO DC**. Seat the post into the canal gently and maintain firm pressure for 20-30 seconds once the post is seated.
- (7) Continue to express **CORE-FLO DC** around the post and build-up the core to the desired height and shape.
- (8) Remove the excess material and light cure for 40 seconds by placing the light tip as close as possible to the post and core build-up.
- (9) Prepare and finish the core in the usual manner using diamond and carbide burs.

## **3. DENTIN REPLACEMENT MATERIAL**

- (1) Isolate tooth and prepare in a conservative manner. Rinse and dry.
- (2) Apply an adhesive according to the manufacturer's instructions; we recommend the use of any BISCO adhesive.
- (3) Follow the DUAL-SYRINGE INSTRUCTIONS FOR USE for loading of the Dual-Syringe for dispensing **CORE-FLO DC**.
- (4) Express **CORE-FLO DC** only to the level of the dentin-enamel junction.
- (5) Light cure the **CORE-FLO DC** for 10 seconds. 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.

**HYGIENE:** To prevent polymerization or clogging, the dual-syringe mixing tip should be left in place until the next application. Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended. If used intraorally, wipe mixing tip with disinfectant prior to storage.

**DISINFECTION AND STERILIZATION:** Disinfection Method: Clean the dispenser with an ethanol solution or an impregnated dental wipe. Sterilization Method: The dispenser may be sterilized in an autoclave at a temperature not to exceed 132°C to prevent possible distortion of dispenser (synthetic resin) material. For details contact the autoclave manufacturer. Do not use dispenser until it has cooled down completely.

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

**STORAGE:** Store kit 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 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.

\* CORE-FLO is a trademark of BISCO, Inc.

Dual-Syringe Dispenser is distributed by Bisco, Inc.

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



BISICO France  
120, allée de la Coudoulette  
13680 Lançon De Provence  
France  
33-4-90-42-92-92