BISCO

CE 0459

BISFIL™ 2B

Self-Cured

Base Increment Composite

Instructions for Use

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IN-0041R12
Rev. 1/20

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

BISFIL™* 2B
Base Increment Composite

GENERAL INFORMATION

BISFIL 2B is a self-cured, radiopaque composite intended for use as the base increment of posterior composite restorations in the Directed Shrinkage Technique[1]. This technique suggests that in contrast to light-cured composites, **BISFIL 2B** begins curing adjacent to the naturally warmer surfaces of the dentin. Since all composites shrink upon polymerization, the net effect of the Directed Shrinkage Technique is to direct polymerization toward the tooth, improving adaptation to the preparation.

BISFIL 2B is a low viscosity, syringeable composite available in shades A3/A3.5 and Universal (original). It is intended for use with adhesives designed for compatibility with all dental materials•, including all BISCO adhesives, and overlaid with a light-cured composite.

Indications For Use

- Base Increment in a Class I or II restoration

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 tips. Do not clean, disinfect or reuse.
- Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended. If syringe becomes contaminated, discard. Do not clean or disinfect.

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. If used intraorally, wipe mixing tip with disinfectant prior to storage.
- Refer to the manufacturer's instructions. Unlike BISCO Adhesives, not all bonding systems are chemically compatible with self-cured or dual-cured materials.
- 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):

Working Time:	Minimum 2 min.
Setting Time:	Maximum 4 min. 30 sec.

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

INSTRUCTIONS FOR USE

1. Isolate tooth and prepare the cavity in a conservative manner. Clean the entire surface with a slurry of pumice and water. Rinse and dry the preparation.
2. Apply an adhesive that is compatible with all dental materials according to manufacturer's instructions.
3. Mixing Procedures:
   - If using the dual-syringe, remove the syringe cap from the dual-syringe. Dispense a small amount of material onto a mixing pad to eliminate any voids in each chamber of the dual-syringe. Attach a mixing tip to the dual-syringe by lining up the key and keyway. Then turn the brown locking mechanism clockwise. Pressing the plunger will mix and dispense the **BISFIL 2B**.
   - If using individual syringes, dispense by turning syringe handle clockwise. After the desired amount is dispensed, turn handle counterclock wise immediately to prevent excess material extruding from syringe. Mix to a uniform paste (10-15 seconds). To minimize air incorporation, do not over-mix. Utilize instruments designed for composite placement to prevent discoloration of the composite.
4. Place **BISFIL 2B** only to the level of the dentino-enamel junction. Before the end of the working time, place a small increment of a light-cured composite into the preparation. Pack lightly and burnish against the **BISFIL 2B** in order to express entrapped air. Following final set of **BISFIL 2B**, continue to firmly pack a light-cured composite, building incrementally until cavity preparation is filled. Light cure according to manufacturer's instructions.
5. Adjust occlusion, finish and polish in the usual manner.

HYGIENE: Use of commonly available hygienic protective covering to avoid any contamination of the **BISFIL 2B** 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). Refer to 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.

[1] Bertolotti R. Posterior Composite Technique Utilizing Directed Polymerization and a Novel Matrix. *Pract Periodont Aesthetic Dent* 1991; 3(4):53-58.

* BISFIL is a trademark of BISCO, Inc.

▲ Refer to manufacturer's instructions. Not all one-bottle adhesives bond to dual-cured or self-cured composites.

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