

*Bisco*

CE0459

***BISFIL™ II***

*Self-  
Cured*

*Posterior Composite*

## 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.

## **BISFIL™\* II** **Posterior Composite**

### **GENERAL INFORMATION**

**BISFIL II** is a highly filled, self-cured, radiopaque hybrid composite recommended for posterior restorations. The high filler concentration in **BISFIL II** results in vastly improved abrasion resistance as well as high tensile and compressive strength. These properties are essential for composites to function effectively in the posterior dentition.

**BISFIL II** can be packed to the occlusal cavosurface margin for a completely self-cured restoration. It may also be used as the base increment of posterior composite restorations in the Directed Shrinkage Technique<sup>1</sup>. This technique suggests that in contrast to light-cured composites, **BISFIL II** 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. In this technique, **BISFIL II** needs to be overlaid with a light-cured composite such as **ÆLITE™\*** Aesthetic Enamel.

**BISFIL II** is intended for use with adhesives designed for compatibility with all dental materials, including all BISCO adhesives.

#### **Indications for use:**

BISCO's **BISFIL II** is intended for restorations where a self-cured composite is required for vital and non-vital teeth.

#### **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:**

- Working and setting times will be accelerated in the warm intraoral environment.
- Avoid contact with the skin, unpolymerized resins may cause skin sensitization in susceptible persons. In case of contact, wash skin with soap and water.
- Refer to the manufacturer's instructions. Unlike BISCO adhesives, not all bonding systems are chemically compatible with self-cured or dual-cured materials.
- Refer to the Instructions for Use section regarding the proper handling of the syringe.
- See individual component labels for specific expiration dates.

### **TECHNICAL INFORMATION**

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

Working Time:        Minimum 2 min.

Setting Time:        Maximum 5 min. 30 sec.

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

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

\* BISFIL and ÆLITE are trademarks of BISCO, Inc.

## INSTRUCTIONS FOR USE

1. Isolate tooth and clean uninstrumented enamel and dentin with a slurry of pumice and a cleanser, such as CAVITY CLEANSER™\*, or water. Clean freshly instrumented enamel and dentin with water spray and air dry.
2. Apply an adhesive that is compatible with all dental materials according to manufacturer's instructions.

### SYRINGE USE

#### Helpful Hints:

- The high viscosity of this material necessitates simple but specific precautions to prevent damage to the syringe and avoid waste
    1. Always twist knob slowly to avoid excess extrusion.
    2. Once sufficient material has been dispensed from the syringe, rotate the knob 1-1/2 turns COUNTERCLOCKWISE to release the pressure on the composite.
3. Dispense desired amount of **BISFIL II** base and catalyst pastes onto a mixing pad. If using syringes, dispense by turning syringe handle clockwise. 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 II** directly into the preparation. Start with the proximal box up to the level of the dentinoenamel junction. Continue with composite placement to the occlusal cavosurface margin.

OPTIONAL: Place **BISFIL II** only to the level of the dentinoenamel junction. Before the end of the working time, place a small increment of a light-cured composite, such as **ÆLITE Aesthetic Enamel**, into the preparation. Pack lightly and burnish against the **BISFIL II** in order to express entrapped air. Following final set of **BISFIL II**, continue to firmly pack a light-cured composite, building incrementally until cavity preparation is filled and light curing according to manufacturer's instructions.

5. Check the occlusion and finish. To minimize or eliminate polishing, apply BisCover™\* LV according to manufacturer's instructions. Surface sealants, such as FORTIFY™\* or FORTIFY PLUS, may also be used according to manufacturer's instructions. The use of any of these products will seal the margins and reduce composite wear and staining.

\* CAVITY CLEANSER is a trademark of BISCO, Inc.  
BisCover and FORTIFY are trademarks of BISCO, Inc.

**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.

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