

Bisco

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AELITEFLO™

*Light-
Cured*

Low Modulus Microhybrid Composite

Instructions for Use



IN-036R14
Rev. 12/17

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

ÆLITEFLO™*
Low Modulus Microhybrid Composite

GENERAL INFORMATION

ÆLITEFLO is a light-cured, highly filled microhybrid composite with a low modulus of elasticity. Even though **ÆLITEFLO** is flowable, its properties prevent slumping for better control in hard to access areas. Using the provided tips, **ÆLITEFLO** can be easily injected directly into the cavity preparation and even be shaped with the tip itself.

The elastic modulus¹ of dentin is about 18 GPa whereas **ÆLITEFLO** is <6 GPa, giving it more elastic characteristics. This elastic property allows **ÆLITEFLO** to “bend with the tooth” leading to better retention. This is especially important in restoring a patient’s dentition with multiple abfraction lesions, where a highly filled stiff composite may ultimately fail.

Indications for Use:

The principal uses of **ÆLITEFLO** are:

- Class V
- Class III
- Buccal pit restorations
- Small non-stress-bearing Class IV
- Porcelain repair
- Porcelain veneer bonding
- Adult preventive resin
- Splinting - Cementing tooth to tooth
- Small core build-up
- Marginal defect repair
- Deciduous Class I or Class II
- Implant seal

The secondary uses of **ÆLITEFLO** are:

- Cavity liner (Class I or Class II)
- Pit and fissure sealant

Warnings:

- 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.

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.

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.
- When using dental adhesives, saliva contamination will seriously compromise dentin bonding.
- Refer to individual component labels for specific expiration dates.
- Safety data sheet available on request.
- Safety data sheet available at www.Bisco.com.

HELPFUL HINTS

- Although the restoration may appear smooth and polished immediately after being placed and light-cured, an oxygen inhibited layer is present and must be removed (finishing with discs and/or polishing paste, etc.) to prevent staining.

INSTRUCTIONS FOR USE

1. Prior to isolation, select appropriate shade of **ÆLITEFLO**.
2. Remove the cap from the selected syringe and attach a needle tip securely.
3. Be sure the cavity is adequately cleaned in accordance with the Instructions for Use of the bonding system to be used.
4. Apply an adhesive according to the manufacturer's instructions.
5. Using the previously selected shade, place 1-2mm increments of composite into the cavity preparation.
6. Light cure each increment for 20 seconds. Continue to build incrementally until cavity preparation is filled to the cavosurface margin.
7. Proceed with finishing and polishing.

HYGIENE: Re-cap syringes 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).

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.

* ÆLITEFLO is a trademark of BISCO, Inc.

¹ Craig RG, Peyton FA. Elastic and mechanical properties of human dentin, J. Dent. Res. 1958; 37:(4) 710-718.

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