

*Bisco*

C € 0459

***AELITE™ Composite***

*Light-Cured*

## 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.

# ÆLITE™\* Composites

## GENERAL INFORMATION

The ÆLITE system of composites consists of light-cured resin-based dental restorative materials that provide exceptional aesthetics for all classes of direct restorations. This system is designed to accommodate the "single-composite restoration" technique and the "multi-shade layering" technique.

### ÆLITE Aesthetic Enamel - Reinforced Nanofil Composite

**Aesthetic Enamel** is a light-cured, fluorescing, highly reinforced, nanofil composite. Due to its reinforced composition, **Aesthetic Enamel** can be used for all classes of direct restorations as the enamel layer. The nano-sized filler particles contribute to **Aesthetic Enamel's** excellent polishability while the reinforcing filler allows for high filler loading giving **Aesthetic Enamel** maximum strength and durability.

### ÆLITE All-Purpose Body - Universal Microhybrid Composite

**All-Purpose Body** is a light-cured, radiopaque, universal microhybrid composite. **All-Purpose Body** is designed to blend with surrounding dentition when used alone or in the layering technique with **ÆLITE Aesthetic Enamel**.

### ÆLITE LS Posterior - Low Shrinkage (LS) Posterior Composite

**ÆLITE LS Posterior** is a light-cured, highly-filled, radiopaque, low shrinkage posterior hybrid composite. Due to the high filler content, **LS Posterior** aids in establishing occlusal contours and interproximal contacts. In the layering technique, **Aesthetic Enamel** may be placed over the **LS Posterior**.

#### Indications for use:

##### Principle uses of ÆLITE Aesthetic Enamel:

- Enamel layer for Class I, II, III, IV, V, VI restorations
- Diastema closures
- Direct veneers
- Composite and porcelain repairs
- Splinting periodontally involved teeth

##### Principle uses of ÆLITE All-Purpose Body:

- Class I, II, III, IV, V, VI restorations
- Direct aesthetic veneers for masking stains and anomalies
- Core build-ups to replace missing tooth structure
- Composite and porcelain repairs
- Lingual increment of anterior restorations
- To mask out discolored pulpal floor at the base of a preparation (opaque shades)

##### Principle uses of ÆLITE LS Posterior:

- Class I, II and VI restorations
- Core build-ups to replace missing tooth structure

#### 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](http://www.Bisco.com).

## INSTRUCTIONS FOR USE

1. Select the desired type and shade of ÆLITE Composite prior to isolating and preparing the tooth:

**LS Posterior:** for Class I, Class II and Class VI

**All-Purpose Body:** Universal Composite for Class I - Class VI

**Aesthetic Enamel:** Enamel Layer for Class I - Class VI

**TIP:** To aid in shade selection, place a small amount of material on the tooth and cure. The composite is easily removed with the use of an instrument since it has not been bonded to the tooth.

- Clean the preparation with a slurry of pumice and water. Rinse and dry the preparation.
- Isolate and prepare the tooth. If pulp is exposed; achieve hemostasis, apply 1 mm layer of TheraCal LC\* directly on and around the exposed pulp, then light cure for 20 seconds. If prep is near the pulp, apply a 1mm layer of TheraCal LC as a liner and light cure for 20 seconds.
- Place matrix, and apply an adhesive according to the manufacturer's instructions.
- Dispense desired amount of **ÆLITE** composite onto a light-protected mixing pad by turning the syringe handle clockwise. (Tip: To prevent excessive material from extruding, turn handle counterclockwise immediately after the desired amount is dispensed.) If using Unit-Dose Tips, inject **ÆLITE** composite directly into preparation.

**Precautions:**

- Unit-dose tips are for single use only. Do not clean, disinfect or reuse.

**NOTE:** The properties of composite naturally lend itself to adhere (stick) to your instrument. To overcome this tackiness, MODELING RESIN\* was developed to aid in the placement and shaping of your composites. By lightly wetting your instrument with MODELING RESIN, all of your direct composite restorations can be easily placed and manipulated (sculpted).

- Using the selected shades, place 1-2 mm increments of composite into the cavity preparation. Light cure each increment with a curing light unit (refer to curing chart for curing time intervals). Keep the light tip as close to the composite as possible without contact. Continue to build incrementally until the cavity preparation is filled to the cavosurface margin and the restoration takes on the desired shape. Each surface of the final increment should be light-cured for the amount of time specified in the curing chart.

**Curing Chart (at 500mW/cm<sup>2</sup>)**

Product	For each 1-2 mm increment, light-cure for:	For the final increment, light-cure <u>each surface</u> for:
AESTHETIC ENAMEL	20 seconds	30 seconds
ALL-PURPOSE BODY ▲Opaque shades>1mm	20 seconds▲ 30 seconds	30 seconds
LS POSTERIOR A1, A2, A3, B1, C2, D3	20 seconds	40 seconds
LS POSTERIOR A3.5, C4	40 seconds	40 seconds

- Check the occlusion and finish. To minimize or eliminate polishing, apply BisCover™\* LV Liquid Polish 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.

**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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\* MODELING RESIN is manufactured by BISCO, Inc.

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