Aelite™ Composites
Catering to Your Needs

BISCO
Bringing Science to the Art of Dentistry
Aelite Composites

Exceptional aesthetics for all classes of direct restorations

Superior handling properties allow for easy placement, contouring and sculpting final anatomy

Radiopaque for easy identification on radiographs

A multitude of shades that mimic the natural dentition

Accommodates the “single-composite restoration” technique and the “multi-shade layering” technique

Customized composite kits:
Choose any combination of shades to personalize your anterior or posterior kit
Aelite Composites, Perfection Unveiled

Aelite composites cater to your direct restorative needs. When you select Aelite Anterior and Posterior Composites from BISCO, you also gain our reputation for innovative aesthetic restorative materials. BISCO’s Aelite composites provide a non-slumping, sculptable material, featuring a mixture of reinforced particle sizes which make them highly polishable and stain resistant.

It Began With a Family Recipe

Aelite offers something no other composite system has – the BISCO name. In 1985 BISCO developed BisFil™ M, the first reinforced nanofilled composite. This chemistry is still used today with our Aelite Composite System. That means you can rely on it for all your aesthetic composite restorations. It is easy to use, does not slump, has fluorescing characteristics, and excellent wear resistance.

Created With All The Right Ingredients

Exceptional Aesthetics

The Aelite Composite System incorporates light-cured, resin-based dental restorative materials and provides exceptional aesthetics for all classes of direct restorations. BISCO’s color specialists perfected the Aelite Composite System to now provide a complete spectrum of natural translucency and optimal color matching with adjacent dentition. Aelite corresponds to the VITA® shade guide.

Resistant to Wear and Stains

Your patients’ satisfaction is our top priority. Aelite composites will not prematurely wear. The Aelite Anterior and Posterior Systems combine highly filled hybrid and reinforced nanofil composites. This combination maximizes marginal integrity and provides stain resistance. Aelite is an excellent selection for its polishability and strength.

Optimal Handling

Whether you are rebuilding a cusp or creating anatomy, you need a composite that will not slump. Enhanced handling properties facilitate easy placement and contouring for direct restorative treatment. Aelite composites are non-sticky, sculptable composites that support the artistry in your restorations.

Tailored to Accommodate The Way You Work

The Aelite Composite System is tailored to accommodate the “single-composite restoration” technique and the “multi-shade layering” technique. Fabricate strong, aesthetic direct restorations with Aelite Aesthetic Enamel, Aelite All-Purpose Body and Aelite LS Posterior.

Layering Techniques Using Aelite Composites

<table>
<thead>
<tr>
<th>Class I and II Restoration</th>
<th>Class III and IV Restoration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aelite Liner</td>
<td>Aelite All-Purpose Body</td>
</tr>
<tr>
<td>Aelite LS Posterior</td>
<td>Aelite Aesthetic Enamel</td>
</tr>
<tr>
<td>Aelite Aesthetic Enamel</td>
<td>Aelite Aesthetic Enamel Incisal</td>
</tr>
</tbody>
</table>

Dentistry courtesy of Dr. Richard Lin and Dr. Sergio Rubinstein.
## Signature Materials From Bisco

Aelite Composites are the solution for delivering invisible restorations to patients.

### Aelite All-Purpose Body (Microhybrid)

*Light-Cured Universal Microhybrid Composite*
- The ideal choice for professionals desiring a universal restorative material or dentin/body replacement.
- The highly filled and reinforced ultrafine particles maximize marginal integrity and increase stain resistance.

### Aelite LS Posterior (Hybrid)

*Light-Cured Low Shrinkage Hybrid Composite*
- Low shrinkage (1.4% volumetric shrinkage, 0.47% linear shrinkage) provides long-term patient satisfaction due to decreased post-operative sensitivity and microbial attacks.
- Highly filled (88% by weight) to provide exceptional strength, polishability and wear resistance.

### Aelite Aesthetic Enamel (Nanohybrid)

*Light-Cured Reinforced Nanohybrid Composite*
- Designed for use in combination with Aelite All-Purpose Body or Aelite LS Posterior as the top enamel layer.
- Integrated with submicron filler particles, Aelite Aesthetic Enamel offers excellent polishability and reinforced strength.

<table>
<thead>
<tr>
<th>% Filled (Weight/Volume)</th>
<th>Aelite All-Purpose Body</th>
<th>Aelite Low Shrink Posterior</th>
<th>Aelite Aesthetic Enamel</th>
</tr>
</thead>
<tbody>
<tr>
<td>73 / 53</td>
<td></td>
<td>88 / 74</td>
<td>73 / 54</td>
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</tbody>
</table>

| Particle Size Range      | 0.7µm                   | 0.05 - 4.0µm               | 0.04 - 5.0µm             |
| Indications              | Universal Application of Class I, II, III, IV, V, VI | Class I, II, VI | Aesthetic Enamel Layer Class I, II, III, IV, V, VI |

### Aelite Anterior Kit

*Available with syringes or unit-dose tips.*

### Aelite Posterior Kit

*Available with syringes or unit-dose tips.*
**Aelite Anterior Direct Composite - Technique Guide**

1. Clean the preparation with a slurry of pumice and water. Rinse and dry.

2. Etch the preparation with UNI-ETCH® or ETCH-37™ for 15 seconds. Rinse thoroughly for at least 5 seconds and remove excess water. Leave preparation moist for wet bonding technique.

3. Apply adhesive
   a. ONE-STEP®/ONE-STEP® PLUS: Apply 2-3 generous coats and gently air dry to evaporate the solvent. Light cure for 10 seconds.
   OR b. ALL-BOND 2®: Apply 5 generous coats of PRIMERS A & B (1:1) and gently air dry to evaporate the solvent. Apply one coat of D/E Resin and air thin. Light cure for 20 seconds.

4. If necessary, use Aelite All-Purpose Body as the lingual/body replacement for the restoration in 1-2mm increments and light cure for 20 seconds.

5. Using the selected shade of Aelite Aesthetic Enamel, place 1-2mm increments on the preparation and light cure for 20 seconds.

6. Apply Aelite Aesthetic Enamel Incisal (Frost, Clear, or Light Gray) to the incisal edge and interproximal areas, as needed to produce the amount of translucency desired and light cure for 20 seconds.

7. Check the occlusion and finish.

8. Re-etch the restoration and adjacent tooth structure for 15 seconds, rinse and dry. Apply a thin layer of BisCover™ LV as a surface sealant/glaze to improve marginal integrity and reduce wear and staining. Light cure for 30 seconds.

**Aelite Posterior Direct Composite - Technique Guide**

1. Clean the preparation with a slurry of pumice and water. Rinse and dry.

2. Etch the preparation with UNI-ETCH® or ETCH-37™ for 15 seconds. Rinse thoroughly for at least 5 seconds and remove excess water. Leave preparation moist for wet bonding technique.

3. Apply adhesive
   a. ONE-STEP®/ONE-STEP® PLUS: Apply 2-3 generous coats and gently air dry to evaporate the solvent. Light cure for 10 seconds.
   OR b. ALL-BOND 2®: Apply 5 generous coats of PRIMERS A & B (1:1) and gently air dry to evaporate the solvent. Apply one coat of D/E Resin and air thin. Light cure for 20 seconds.

4. If desired, place a small increment of highly radiopaque Aelite Liner to the pulpal floor, axial walls and gingival floor of the preparation and light cure for 40 seconds, OR use BISFIL™ 2B, a self-cured base increment.

5. Using the selected shade of Aelite LS Posterior, place 1-2mm increments into the preparation and light cure for 20 seconds.

6. If desired, use Aelite Aesthetic Enamel as the final incremental layer for enhanced aesthetics.

7. Check the occlusion and finish.

8. Re-etch the restoration and adjacent tooth structure for 15 seconds, rinse and dry. Apply a thin layer of BisCover LV or FORTIFY™ as a surface sealant to improve marginal integrity and reduce wear and staining. Light cure for 30 seconds.

*Final restoration shown two days after rehydration.
Perfection Unveiled.

Catering to Your Needs

Aelite is available in two delivery systems: 4g syringes or 0.25g unit-dose tips which allow you to inject composite directly into the preparation. All tips and syringes are color-coded for easy identification.

A Variety of Options With All the Trimmings

Choose any shade or any combination of shades to complete your Anterior and/or Posterior Composite Kits. Unlike other composite systems, BISCO lets you customize the composite shades that you use on your patients! The Aelite Composite Kits provide everything you need to ensure a successful procedure from beginning to end.

Syringe Color Key

Aelite Aesthetic Enamel (E)
- A1-E
- A2-E
- A3-E
- A3.5-E
- A4-E
- B1-E
- B2-E
- B3-E
- B4-E
- C1-E
- C2-E
- C3-E
- C4-E
- D2-E
- D3-E
- D4-E
- Bleach W-E

Aelite All-Purpose Body
- A1
- A2
- A3
- A3.5
- B1
- C2
- D3
- Light Opaque A1-0
- Dark Opaque A3.5-0

Aelite Aesthetic Enamel Incisal
- Frost
- Clear
- Light Gray

Aelite LS Posterior (PLS)
- A1-PLS
- A2-PLS
- A3-PLS
- A3.5-PLS
- A4-PLS
- B1-PLS
- C2-PLS
- D3-PLS

Aelite Customized Kits

Ordering Information
Choose any shade or combination of shades to complete your kit!

Aelite Anterior System
- 2 Shades, Aelite All-Purpose Body
- 3 Shades, Aelite Aesthetic Enamel
- 1 Shade, Aelite Aesthetic Enamel Incisal
Uni-Etch w/BAC, One-Step Plus, BisCover LV, Modeling Resin, Accessories, Instructions/MSDS

Aelite Anterior Syringe Kit H-85200K
Aelite Anterior Unit-Dose Kit H-85400K

Aelite Posterior System
- 2 Shades, Aelite Aesthetic Enamel
- 3 Shades, Aelite LS Posterior
Uni-Etch w/BAC, One-Step Plus, BisCover LV, Aelite Liner, Modeling Resin, Accessories, Instructions/MSDS

Aelite Posterior Syringe Kit H-83200K
Aelite Posterior Unit-Dose Kit H-83400K

Items are also sold individually.

Serving you for 25 years!