Our Corporate Story
The Company Behind Tokuyama Dental America Inc.

Tokuyama draws on nearly a century of accomplishments and knowledge to gain a competitive advantage in today's dentistry. Operating on a global scale, our mission is to listen to your needs, incorporate your voice into the development of innovative products, and ensure our products meet the highest standards of quality. Tokuyama is characterized by cutting-edge technology and the development of specialty products that improve your daily life.

At Tokuyama, our constant pursuit of excellence and innovation thrives from a strong link between our company and visionary Dental Professionals who shape the future of dentistry.

Tokuyama is 100% committed to Innovating Tomorrow’s Dentistry. Today. Our spirit is embodied in five values which represent the very essence of Tokuyama, and will always continue to do so.

Innovation
Tokuyama is not looking to invent, we are looking to innovate. Innovation is the process of creating a product that provides a more efficient and faster way for you to achieve a desired result. Tokuyama is dedicated to improving the lives of you and your patients’.

Product Efficacy and Replicable Results
Tokuyama products are submitted to rigorous testing that simulate intra-oral environments, prior to in vivo testing. It is our number one priority that Tokuyama products always perform at or above clinical expectations.

Quality
Tokuyama will take utmost care when manufacturing, packaging, storing, and shipping products, to ensure all attributes of our products perform to customer satisfaction.

Customer Service and Satisfaction
Tokuyama treats our customers like family, and as such, we are determined to offer quick and easy solutions for our customers. Providing superior customer service is our primary mission.

Social Responsibility
Tokuyama is committed to Corporate Social Responsibility by contributing to economic development, while improving the quality of life of our workforce and their families, as well as the local community and society at large.
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Tokuyama has won over 20 awards from Dental Advisor, Reality, CRA and more in the restorative and reline categories since 2010!
Tokuyama has won over 20 awards from Dental Advisor, Reality, CRA and more in the restorative and reline categories since 2010!
Our wide range of composites offer the ideal solution for every Dental Professional, and differentiates itself through spherical filler technology. **Estelite Sigma Quick®** delivers a simplified universal restorative with unique chameleon-like blending properties, superb handling, and life like aesthetic qualities. **Estelite Flow Quick® and Estelite Flow Quick® High Flow** offer two versatile flowable formulas in both medium and high-flow viscosities. **Estelite Omega® and Estelite® Color** provide a suitable palette for perfect polychromatic restorations by allowing the clinician to layer and customize hue, value and chroma.
**Estelite Sigma Quick®**

*ESTELITE SIGMA QUICK®* is a universal, supra-nano filled restorative material utilizing 100% spherical filler technology. With a filler weight of 82% (71% volume), the spherical fillers provide a uniform diffusion of light, allowing for a more forgiving shade match and superb blend to surrounding teeth. In addition, the spherical fillers provide low composite wear over time and are safe for opposing dentition while causing less wear on opposing teeth.

Estelite Sigma Quick® has a low 1.3% volumetric shrinkage and low shrinkage stress for decreased post-op sensitivity and resistance against marginal leakage, allowing for lasting patient comfort.

Estelite Sigma Quick® offers a 90-second working time under ambient light, and features a proprietary initiator system that allows it to polymerize quickly, with very minimal shade shift over time.

Tokuyama’s spherical fillers provide exceptional polishability, and long-term polish retention. Additionally, Estelite Sigma Quick® is exceptionally versatile with creamy, non-stick handling, and extreme resistance to slump for accurate anatomical creation. Available in 20 shades, one miracle match composite can invisibly blend within several shades, eliminating the need to stock every shade.

### Estelite Sigma Quick® Syringe
- 3.8g/syringe

### Estelite Sigma Quick® PLTs (Pre-Loaded Tips)
- 0.2g/tip x 20

---

**Basic Shade (for class I, II, and V)**

<table>
<thead>
<tr>
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<th>A1</th>
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**Opaque Shade (for class III, and IV)**

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**Tooth Shade**

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*Top Composite 2011 - The Denal Advisor*
### Products

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<td>13111</td>
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<td>Estelite Sigma Quick PLT (OA2) 0.2g x 20</td>
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<td>13147</td>
<td>Estelite Sigma Quick PLT (CE) Clear Enamel 0.2g x 20</td>
</tr>
<tr>
<td>13148</td>
<td>Estelite Sigma Quick PLT (BW) Bleach White 0.2g x 20</td>
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<td>Estelite Sigma Quick PLT (WE) White Enamel 0.2g x 20</td>
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<tr>
<td>13150</td>
<td>Estelite Sigma Quick Shade Guide</td>
</tr>
</tbody>
</table>

### Benefits

- Outstanding polishability
- High gloss retention over time
- Supra-nano spherical fillers (200 nanometers)
- 90-second working time
- 1.3% volumetric shrinkage
- Exceptional handling for Class I-V
- Superior wear resistance
- Gentle to opposing dentition

### Technical

- 20,000 magnification

### Indications

- Anterior and posterior restorations
- Composite veneer
- Diastema closure
- Composite/porcelain repair
ESTELITE FLOW QUICK® (Medium Flow) and ESTELITE FLOW QUICK® HIGH FLOW are universal supra-nano filled flowable resin composites offering a choice of two optimal viscosities. Building on the proven success of Estelite’s spherical filler technology, Estelite Flow Quick® and Estelite Flow Quick® High Flow deliver superior aesthetics, ideal handling, excellent polishability and outstanding mechanical strengths.

Estelite Flow Quick® and Estelite Flow Quick® High Flow are the ideal solutions for a wide variety of cases. Polishability, versatility and strength at its finest, Estelite Flow Quick® and Estelite Flow Quick® High Flow are available in both syringe and PLT (pre-loaded tip) dispensing systems.

Delivering exceptional wear resistance, Estelite Flow Quick® contains 71% filler by weight (53% by volume), and Estelite Flow Quick® High Flow contains 68% by weight (49% by volume).

Estelite Flow Quick® Syringe
• 3.6g (2mL) + 15 syringe tips

Estelite Flow Quick® High Flow Syringe
• 3.6g (2mL) + 15 syringe tips

Estelite Flow Quick® PLTs
• 0.2g/tip (x 20)

Estelite Flow Quick® High Flow PLTs
• 0.2g/tip (x 20)

Benefits

| Choice of two viscosities |
| 90 second working time |
| Superior mechanical strengths |
| Very low shrinkage |
| Excellent handling |
| Unit-dose dispensing system is comfortable, quick and easy to load, and offers isolated lining to targeted areas. |
| Optimal radiopacity |
| Quick curing |
| Blending Effect/Wider shade matching range |
| Minimum color change after curing |
| Outstanding aesthetics |
**Estelite Flow Quick® available in all shades excluding OPA2. Estelite Flow Quick® High Flow available in shades A1, A2, A3, OPA2.**

**Shades**

<table>
<thead>
<tr>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>A3.5</th>
<th>A4</th>
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<td>C3</td>
<td>CE</td>
<td>OA1</td>
<td>OA2</td>
</tr>
<tr>
<td>OA3</td>
<td>BW</td>
<td>OPA2</td>
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</table>

**Indications**

- Direct anterior and posterior restorations (particularly for small/shallow/tunnel shaped preps)
- Cavity lining
- Blocking out cavity undercuts (before fabrication of indirect restorations)
- Composite/porcelain repair

**Technical Data**

- **Viscosity after 1 minute**
  - High Flow:
    - Flow Quick
  - Viscosity after 1 minute

**Class V Restoration**

**Class II Liner**

**PLTs (Pre-Loaded Tips)**

- Estelite Flow Quick PLT (A1): 0.2g x 20
- Estelite Flow Quick PLT (A2): 0.2g x 20
- Estelite Flow Quick PLT (A3): 0.2g x 20
- Estelite Flow Quick PLT (A3.5): 0.2g x 20
- Estelite Flow Quick PLT (A4): 0.2g x 20
- Estelite Flow Quick PLT (B1): 0.2g x 20
- Estelite Flow Quick PLT (B2): 0.2g x 20
- Estelite Flow Quick PLT (B3): 0.2g x 20
- Estelite Flow Quick PLT (B4): 0.2g x 20
- Estelite Flow Quick PLT (C1): 0.2g x 20
- Estelite Flow Quick PLT (C2): 0.2g x 20
- Estelite Flow Quick PLT (C3): 0.2g x 20
- Estelite Flow Quick PLT (OA1): 0.2g x 20
- Estelite Flow Quick PLT (OA2): 0.2g x 20
- Estelite Flow Quick PLT (OA3): 0.2g x 20
- Estelite Flow Quick PLT (CE): 0.2g x 20
- Estelite Flow Quick PLT (BW): 0.2g x 20
- Estelite Flow Quick PLT (OPA2): 0.2g x 20

**Syringes**

- Estelite Flow Quick Syringe (A1): 3.6g+Tips
- Estelite Flow Quick Syringe (A2): 3.6g+Tips
- Estelite Flow Quick Syringe (A3): 3.6g+Tips
- Estelite Flow Quick Syringe (A3.5): 3.6g+Tips
- Estelite Flow Quick Syringe (A4): 3.6g+Tips
- Estelite Flow Quick Syringe (B1): 3.6g+Tips
- Estelite Flow Quick Syringe (B2): 3.6g+Tips
- Estelite Flow Quick Syringe (B3): 3.6g+Tips
- Estelite Flow Quick Syringe (B4): 3.6g+Tips
- Estelite Flow Quick Syringe (C1): 3.6g+Tips
- Estelite Flow Quick Syringe (C2): 3.6g+Tips
- Estelite Flow Quick Syringe (C3): 3.6g+Tips
- Estelite Flow Quick Syringe (OA1): 3.6g+Tips
- Estelite Flow Quick Syringe (OA2): 3.6g+Tips
- Estelite Flow Quick Syringe (OA3): 3.6g+Tips
- Estelite Flow Quick Syringe (CE): 3.6g+Tips
- Estelite Flow Quick Syringe (BW): 3.6g+Tips
- Estelite Flow Quick Syringe (OPA2): 3.6g+Tips

**PLT (Pre-Loaded Tips)**

- Estelite Flow Quick PLT (A1): 0.2g x 20
- Estelite Flow Quick PLT (A2): 0.2g x 20
- Estelite Flow Quick PLT (A3): 0.2g x 20
- Estelite Flow Quick PLT (A3.5): 0.2g x 20
- Estelite Flow Quick PLT (A4): 0.2g x 20
- Estelite Flow Quick PLT (B1): 0.2g x 20
- Estelite Flow Quick PLT (B2): 0.2g x 20
- Estelite Flow Quick PLT (B3): 0.2g x 20
- Estelite Flow Quick PLT (B4): 0.2g x 20
- Estelite Flow Quick PLT (C1): 0.2g x 20
- Estelite Flow Quick PLT (C2): 0.2g x 20
- Estelite Flow Quick PLT (C3): 0.2g x 20
- Estelite Flow Quick PLT (OA1): 0.2g x 20
- Estelite Flow Quick PLT (OA2): 0.2g x 20
- Estelite Flow Quick PLT (OA3): 0.2g x 20
- Estelite Flow Quick PLT (CE): 0.2g x 20
- Estelite Flow Quick PLT (BW): 0.2g x 20
- Estelite Flow Quick PLT (OPA2): 0.2g x 20
Estelite Omega®

ESTELITE OMEGA® is a polychromatic supra-nano filled composite designed for the latest in layering techniques. Conceptualized and crafted to be specifically used with the next stage in aesthetic restorations, Estelite Omega® is 100% spherically filled with a filler weight of 82% (78% by volume).

Developed in collaboration with Dr. Newton Fahl, Jr., world-renowned master in aesthetic dentistry, Estelite Omega® comes to you with praise amongst leading and esteemed clinicians. Estelite Omega® provides a full spectrum of opacities, with only 11 shades, for simpler restorative procedures.

A superior composite that emulates nature, Estelite Omega® creates restorations that mimic the opalescence of natural teeth, providing recreation of hue, chroma and value. Redefining aesthetic restorations, Estelite Omega® is the ideal system to showcase your creativity and elevate your art!

Estelite® Color

Compliment your restorations with ESTELITE® COLOR. Used to modify or slightly alter a shade, Estelite Color® adds character to your masterpiece and perfects the tooth’s overall aesthetics. Available in 13 colors, Estelite® Color will advance your creative touch.

Estelite Omega® Custom Shade Guide

ESTELITE OMEGA® CUSTOM SHADE GUIDE allows you to build and customize your shade guide to your own preferences. No more pre-selected tones from manufacturers that never quite seem to match, nor guessing when choosing your composite shade. Customize your palette and create the exact shade of your composite.
**Benefits**

<table>
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<th>Benefits</th>
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<tr>
<td>Specifically designed for polychromatic restorations (layering)</td>
<td>Simple system with only 11 shades</td>
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<tr>
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<td>Optimal aesthetics, by customizing hue, value, and chroma</td>
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<td></td>
<td>Superb handling for recreation of anatomy</td>
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<td></td>
<td>Outstanding polishability</td>
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<td>Exceptional gloss retention</td>
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<td>Excellent technical properties</td>
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**Indications**

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<tr>
<td>Anterior and Posterior restorations</td>
<td>Composite Veneer</td>
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<td>Diastema Closure</td>
<td>Composite/porcelain repair</td>
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<td></td>
<td>Customizing hue, value and chroma</td>
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<td>Adding color effects to contrast zones</td>
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**Technical Data**

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<tr>
<td>Custom made by you</td>
<td>Most accurate shade matching</td>
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<tr>
<td></td>
<td>Organized and personalized</td>
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<tr>
<td></td>
<td>Versatile, all-in-one system</td>
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<tr>
<td></td>
<td>Works with any brand of composite</td>
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**Colors**

- Clear
- White
- Red
- Blue
- Yellow
- Gray
- Ochre
- Lavendar
- Dark Brown
- High Chroma Opaque
- Medium Chroma Opaque
- Low Chroma Opaque
- Pink Opaque

**Shades**

- EA1
- EA2
- EA3
- DA1
- DA2
- DA3
- EB1
- MILKY WHITE
- BL1
- BL2
- TRANS

**20,000 magnification**

- Estelite Omega
- Filtek Supreme Plus

**Class IV Restoration**

**Class V Restoration**

**Composite Veneer Restoration**

**Diastema Closure**

*Courtesy of Tokuyama Dental Corp., Tsukuba Research Laboratory, Japan

**Clinical pictures courtesy of Dr. Newton Fahl, Jr.*
Estelite Omega® Syringe Deluxe Kit
- 11 total syringes/4g each
- Includes:
  - Enamel – EA1, EA2, EA3, EB1
  - Dentin – DA1, DA2, DA3
  - Effects – MILKY WHITE and TRANS
  - Bleach – BL1 and BL2
- Custom Shade Guide and artist’s brush
- DVD (Clinical Cases) and CD (Clinical Guide)
- Restorative technique card and instructions

Estelite Omega® Syringe Basic Kit
- 6 syringes/4g each
- Includes:
  - Enamel – EA1, EA2, EB1
  - Dentin – DA2
  - Effects – MILKY WHITE and TRANS
- Custom Shade Guide and artist’s brush
- DVD (Clinical Cases) and CD (Clinical Guide)
- Restorative technique card and instructions

Estelite Omega® Syringe Refills (Individual units, 4g each)
- Available in: EA1, EA2, EA3, EB1, DA1, DA2, DA3, MILKY WHITE, TRANS, BL1 and BL2

Estelite Omega® PLT Deluxe Kit
- 11 shades/100 total PLTs x .25g
- Includes:
  - (10 each) Enamel – EA1, EA2, EA3, EB1
  - Dentin – DA1, DA2 and DA3
  - Bleach – BL1 and BL2
  - (5 each) Effects – MILKY WHITE and TRANS
- Custom Shade Guide and artist’s brush
- DVD (Clinical Cases) and CD (Clinical Guide)
- Restorative technique card and instructions

Estelite Omega® PLT Basic Kit
- 6 shades/50 total PLTs x .25g
- Includes:
  - (10 each) Enamel – EA1, EA2, EB1
  - Dentin – DA2
  - (5 each) Effects – MILKY WHITE and TRANS
- Custom Shade Guide and artist’s brush
- DVD (Clinical Cases) and CD (Clinical Guide)
- Restorative technique card and instructions

Estelite Omega® PLT (Pre loaded tips)
- 20 PLTs x .25g each
- Available in: EA1, EA2, EA3, EB1, DA1, DA2, DA3, MILKY WHITE, TRANS, BL1 and BL2

Estelite Omega® Custom Shade Guide
- Includes: Supplies for custom shade creation

Estelite Omega® Artist’s Brush
- No. 24
- Double-ended
- 5 brushes

Estelite Omega® Clinical Cases by Dr. Newton Fahl, Jr. (DVD & CD)
- Clinical Cases (DVD)
- Clinical Guide (CD)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>10701</td>
<td>Estelite Omega Syringe Deluxe Kit (11 syringes) 4g x 1 each: (EA1, EA2, EA3, EB1, DA1, DA2, DA3, MILKY WHITE, TRANS, BL1, BL2). Custom Shade Guide, brush, DVD (Clinical Cases), CD (Clinical Guide), Technique card and instructions</td>
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<td>10702</td>
<td>Estelite Omega Syringe Basic Kit (6 syringes) 4g x 1 each: (EA1, EA2, EB1, DA2, MILKY WHITE, TRANS). Custom Shade Guide, brush, DVD (Clinical Cases), CD (Clinical Guide), Technique card and instructions</td>
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<td>10721</td>
<td>Estelite Omega Syringe (EA1) 4g</td>
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<tr>
<td>10722</td>
<td>Estelite Omega Syringe (EA2) 4g</td>
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<tr>
<td>10723</td>
<td>Estelite Omega Syringe (EA3) 4g</td>
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<td>10724</td>
<td>Estelite Omega Syringe (EB1) 4g</td>
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<td>Estelite Omega Syringe (TRANS) 4g</td>
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<td>10726</td>
<td>Estelite Omega Syringe (MILKY WHITE) 4g</td>
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<td>Estelite Omega Syringe (DA1) 4g</td>
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<td>Estelite Omega Syringe (DA2) 4g</td>
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<td>Estelite Omega Syringe (DA3) 4g</td>
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<td>10730</td>
<td>Estelite Omega Syringe (BL1) 4g</td>
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<td>Estelite Omega Syringe (BL2) 4g</td>
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<td>Estelite Omega PLT Deluxe Kit (11 shades) 100 x .25g 10 each: (EA1, EA2, EA3, EB1, DA1, DA2, DA3, BL1, BL2). Custom Shade Guide, Brush, DVD (Clinical Cases), CD (Clinical Guide), Technique Card and Instructions</td>
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<tr>
<td>10742</td>
<td>Estelite Omega PLT Basic Kit (6 shades) 50 x .25g 5 each: (MILKY WHITE, TRANS). Custom Shade Guide, Brush, DVD (Clinical Cases), CD (Clinical Guide), Technique Card and Instructions</td>
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<td>10743</td>
<td>Estelite Omega PLT (EA1) 20 x .25g</td>
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<td>Estelite Omega PLT (EA2) 20 x .25g</td>
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<td>10745</td>
<td>Estelite Omega PLT (EA3) 20 x .25g</td>
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<td>10746</td>
<td>Estelite Omega PLT (EB1) 20 x .25g</td>
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<td>10747</td>
<td>Estelite Omega PLT (DA1) 20 x .25g</td>
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<tr>
<td>10748</td>
<td>Estelite Omega PLT (DA2) 20 x .25g</td>
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<td>10749</td>
<td>Estelite Omega PLT (DA3) 20 x .25g</td>
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<td>10750</td>
<td>Estelite Omega PLT (BL1) 20 x .25g Bleach</td>
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<td>10751</td>
<td>Estelite Omega PLT (BL2) 20 x .25g Bleach</td>
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<tr>
<td>10761</td>
<td>Estelite Omega Custom Shade Guide</td>
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<tr>
<td>10762</td>
<td>Estelite Omega Brush No. 24, Double-ended x 5</td>
</tr>
<tr>
<td>10763</td>
<td>Estelite Omega Clinical Cases (DVD and CD)</td>
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</tbody>
</table>

**Estelite® Color Kit**
- 13 Colors, 0.9g syringe
- Colors: (1 each) Clear, white, blue, yellow, gray, ochre, dark brown, red, lavender, pink opaque, high chroma opaque, medium chroma opaque and low chroma opaque
- 15 syringe tips and caps
- 5 disposable dishes
- Light shield cover
- Instructions

**Estelite® Color Syringe/Refills**
(Individual units 0.9 each)
- Colors: Clear, white, blue, yellow, gray, ochre, dark brown, red, lavender, pink opaque, high chroma opaque, medium chroma opaque and low chroma opaque

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>10901</td>
<td>Estelite Color Kit (13 colors) 0.9g syringe x 1 ea: (Clear, White, Blue, Yellow, Gray, Ochre, Dark Brown, Red, Lavender, Pink Opaque, High Chroma Opaque, Medium Chroma Opaque, Low Chroma Opaque). 15 Syringe tips, 15 Caps, 5 Disposable dishes, 1 Light Shield cover and instructions</td>
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<tr>
<td>10911</td>
<td>Estelite Color (Clear) 0.9g Syringe+Tips</td>
</tr>
<tr>
<td>10912</td>
<td>Estelite Color (White) 0.9g Syringe+Tips</td>
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<tr>
<td>10913</td>
<td>Estelite Color (Blue) 0.9g Syringe+Tips</td>
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<td>10914</td>
<td>Estelite Color (Yellow) 0.9g Syringe+Tips</td>
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<td>10915</td>
<td>Estelite Color (Gray) 0.9g Syringe+Tips</td>
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<td>10916</td>
<td>Estelite Color (Ochre) 0.9g Syringe+Tips</td>
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<tr>
<td>10917</td>
<td>Estelite Color (Dark Brown) 0.9g Syringe+Tips</td>
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<tr>
<td>10918</td>
<td>Estelite Color (Red) 0.9g Syringe+Tips</td>
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<tr>
<td>10919</td>
<td>Estelite Color (Lavender) 0.9g Syringe+Tips</td>
</tr>
<tr>
<td>10920</td>
<td>Estelite Color (Pink Opaque) 0.9g Syringe+Tips</td>
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<tr>
<td>10921</td>
<td>Estelite Color (High Chroma Opaque) 0.9g Syringe+Tips</td>
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<tr>
<td>10922</td>
<td>Estelite Color (Med Chroma Opaque) 0.9g Syringe+Tips</td>
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<tr>
<td>10923</td>
<td>Estelite Color (Low Chroma Opaque) 0.9g Syringe+Tips</td>
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</table>
With two light-cured, self-etching dental adhesives to choose from, we offer every clinician the perfect bonding agent to suit their needs. **Bond Force®** offers a single-component, seventh-generation option that works on both cut and uncut enamel and dentin. It comes in a variety of dispensing options, including the innovative Pen that reduces time and waste. **One-Up® Bond F Plus** is a sixth-generation self-etching option that simplifies procedures by eliminating the separate etchant step when performing direct composite restorations.
Bond Force®

Single Component, Self-Etching, Light-Cured Dental Adhesive

BOND FORCE® is a seventh-generation single component, self-etching, fluoride releasing bonding agent. With the patented SR monomer, Bond Force® creates a 3-D link to the tooth generating an extremely strong bond to enamel and dentin. Bond Force® requires only one application, and is designed to be used on both cut/uncut enamel and dentin. Bond Force® is available in bottle (5mL), unit dose (50 unit dose) and Pen (2mL) dispensing systems.

Bond Force® Standard-Kit
• 50 unit doses (0.1mL x 50)
• 50 disposable applicators

Bond Force® Kit
• 5mL bottle
• 50 disposable applicators
• Dispensing well

Bond Force® Refill
• 5mL bottle

Bond Force® Pen Intro-Kit
• 2mL pen
• 25 disposable applicators
• Dispensing well

Bond Force® Pen Twin Pack Refill
• 2 x 2mL pens

Bond Force® Pen
• No More Waste, No More Stress: minimum volume, uniform drops
• Level Indicator: remaining liquid visible through window
• Speedy Opening/Closing: Only a 90° turn of cap enables speedy cap opening and closing
• 2-3-Click Pen Dispensing System: Two or three clicks deliver uniform drops with accuracy and less waste
**Bonding Agents**

**Benefits**

- Outstanding bond strength
- Thin film thickness (8µm)
- Designed for cut/uncut enamel and dentin
- Only one application required
- One Step: No etching, No rinsing, No mixing
- Self-leveling technology (Uniform adhesive layer)
- Less technique sensitive
- Extended working time (5 minutes)
- Fluoride releasing

**Indications**

- Bonding of light or dual cured composite material to:
  - Cut/uncut enamel and dentin
  - Fractured porcelain/composite repair

**Technical Data**

**Zero Sensitivity**

Clinical research shows no postoperative sensitivity in 22 cases monitored over 24 months (2 years).

<table>
<thead>
<tr>
<th></th>
<th>Base line</th>
<th>6 months</th>
<th>12 months</th>
<th>24 months</th>
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</thead>
<tbody>
<tr>
<td>Results</td>
<td>0% (0/22)</td>
<td>0% (0/22)</td>
<td>0% (0/22)</td>
<td>0% (0/22)</td>
</tr>
</tbody>
</table>

Source: Professor Jean-Pierre Attal, Paris Descartes University

DENTAL MATERIALS 27 (2011) 304-312

**Aesthetic Marginal Adaptability**

**Procedural Steps**

1. Apply BOND FORCE
   - Then rub the margins

2. Air dry
   - Weak: 5 seconds
   - Moderate/strong: 5+ seconds

3. Light cure 10+ seconds

**Products**

- 14951: Bond Force Standard Kit (50 unit dose, 50 brushes)
- 14912: Bond Force Kit (5mL bottle, 50 brushes and dispensing well)
- 14932: Bond Force Refill (5mL bottle)
- 14937: Bond Force Pen Intro-Kit (2mL pen, 25 brushes and dispensing well)
- 14942: Bond Force Pen Twin Pack Refill (2 x 2mL pens)

**Outstanding Bond Strength**

Microtensile Bond Strength (MPa) to Dentin (2 years)

- BOND FORCE
- Clearfil SE Bond*
- iBond*
- All-in-one*
- Prompt L-Pop*
- Zenest SR

Source: Dr. Rick Walter, Chapel Hill, North Carolina

**Image provided by Professor Tagami, Tokyo Medical and Dental University**

**Technical Data**

- **Technical Data**
  - **Bonding Marginal Adaptability Laser Microscope Images**
  - **BOND FORCE**
  - **G-aeniel Bond**
  - **Easy Bond**

*Not a registered Trademark of Tokuyama Dental Corp.
**In-house data. R&D, Tokuyama Dental Corp.*
One-Up® Bond F Plus
Self-Etching Bonding Agent

ONE-UP® BOND F PLUS is a light-cured, self-etching bonding agent that permits a simplified procedure by eliminating the pretreatment of the tooth when performing direct composite restorations. One-Up® Bond F Plus offers a quick, single application, with no etching, no rinsing and no drying. It requires three simple steps: mix-apply-light cure. Each step can be visually confirmed by the built-in color coding, eliminating guesswork. One-Up® Bond F Plus may be applied on exposed cervical dentin and the root surface.

One-Up Bond F Plus Kit
• Bonding Agent A & B (5mL each bottle)
• Mixing well
• Applicator handle
• Disposable applicator tips x 50

Bonding Agent A
• 5mL bottle

Bonding Agent B
• 5mL bottle

Disposable Applicator Tip and Handle Set
• 4 handles
• 500 tips

Disposable Brush Tips
• 2 handles
• 100 tips
**Bonding Agents**

**Benefits**
- Visual confirmation of each step with built-in color coding
- Three simple steps: mix, apply, light cure
- Fluoride releasing
- No etching, rinsing or drying

**Indications**
- Bonding of light-cured composite restorations
- Application on exposed cervical dentin and the root surface

**Products**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>14706</td>
<td>One-Up Bond F Plus Kit</td>
</tr>
<tr>
<td></td>
<td>Bonding Agent A &amp; B (5mL bottle each), mixing well, applicator tips and handle</td>
</tr>
<tr>
<td>14736</td>
<td>Bonding Agent A (5mL bottle)</td>
</tr>
<tr>
<td>14737</td>
<td>Bonding Agent B (5mL bottle)</td>
</tr>
<tr>
<td>14672</td>
<td>Disposable Applicator Tip and Handle Set</td>
</tr>
<tr>
<td></td>
<td>(4 handles, 500 tips)</td>
</tr>
<tr>
<td>14273</td>
<td>Disposable Brush Tip</td>
</tr>
<tr>
<td></td>
<td>(2 handles, 100 tips)</td>
</tr>
</tbody>
</table>

**Technical Illustrations**

1. **Mixing A & B**
   - Yellow
   - Pink

2. **Apply and rub**
   - 10+ seconds

3. **Light cure**
   - 10 seconds

**Procedural Steps**

- One-Up® Bond F Plus
- Hybrid Layer
- Dentin

**Resin-dentin Interface**

*SEM Photograph*
Dentinal sensitivity is a common pain experienced by many patients. **Shield Force® Plus** provides instant and long-term pain relief, and can be applied in 30 seconds. Occlude dentinal tubules 50μm deep, and stop sensitivity with our Double-Block technology.
**Shield Force® Plus**

**Desensitizer**

**SHIELD FORCE® PLUS** is an extremely fast, durable and effective solution for treatment of dentinal hypersensitivity. Quick and easy one-step procedure means only 30 seconds to greater patient comfort and proven long-term results.

Tokuyama’s “double-block” technology provides immediate relief from sensitivity, a strong coating layer for long-term relief, and tough resistance to long-term reduction through abrasion and erosion. Reducing dentinal hypersensitivity immediately after application, **Shield Force® Plus** utilizes a proprietary monomer that interacts with calcium ions, sealing the dentinal tubules.

Its uniformly thin, durable layer offers deeper penetration. No rinsing or rubbing is required, making **Shield Force® Plus** patient-friendly during application, and its green color provides accurate visibility of placement, then cures clear.

---

### Benefits

- **Immediate relief from sensitivity**
- **Strong, durable coating layer for long-term relief**
- **Resistance to long-term reduction through abrasion**
- **Fast, easy one-step procedure**
- **Uniformly thin, durable layer offers deeper penetration**
- **Alleviates and/or prevents post-operative sensitivity**
- **Protects tooth from bacteria and unexpected contamination to the dentin**
- **Green color provides accurate visibility of placement, then dries clear**

### Products

<table>
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<tr>
<th>Code</th>
<th>Product</th>
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<tbody>
<tr>
<td>15111</td>
<td>Shield Force Plus Kit</td>
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<tr>
<td>15121</td>
<td>Shield Force Plus Refill</td>
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</tbody>
</table>

### Indications

- **Treatment of hypersensitive dentin**
- **Reduction of abrasion and erosion of exposed cervical dentin**
- **Alleviation and/or prevention of tooth sensitivity after tooth preparation for direct and indirect restorations.**
Desensitizers

Sealed with resin tags and layers

Tokuyama’s double-block effect seals the dentin tubule to immediately relieve pain, and after light curing, creates a strong durable coating for long-term results.

High wear resistance to toothbrush abrasion

Dentin tubules sealing and durability

Shield Force® Plus layer remains on the dentin surface after testing.

Thermacycle test (10,000 thermal cycles) 4°C – 60°C

*Not a registered trademark of Tokuyama Dental Corp.
Rebase II and Sofreliner Tough® offer several trustworthy options for chairside denture reline materials. Rebase II is a hard denture reline material with easy polishability and minimal odor. Sofreliner Tough® is offered in both Soft and Medium formulas, and is an addition-cured silicone material for relining dentures on patients that require relief on upper or lower, partial or full dentures.

Tokuso® Rebase MR. Bond primes metal for bonding of self-curing acrylic resins with non-precious metals, while Silicone Remover can be used to remove silicone-based reline material from acrylic dentures.
REBASE II is a chairside and laboratory hard reline material, for use with complete or partial dentures and partial denture repairs. Rebase II offers outstanding polishability, low heat generation for in-mouth curing, high mechanical strengths, great handling and almost no odor/taste. Curing in 4 ½ minutes intraorally, Rebase II is designed for long-term denture reline applications.

**Rebase II Kit**
- 80g Powder
- 50mL Liquid bottle
- 15mL Adhesive bottle
- 48g Resin Hardener
- Accessories*

**Rebase II Powder**
- 80g bottle

**Rebase II Liquid**
- 50mL bottle

**Adhesive**
- 15mL bottle

**Resin Hardener II**
- 48g jar

**Tokuso® Rebase MR. Bond**
- 5.5mL bottle

*Measuring cup (for Tokuyama Rebase II powder) – plastic cup (for adhesive)
Dropper (for Tokuyama Rebase II liquid) – brush (for adhesive)
Spatula (for spreading Tokuyama Rebase II) – spoon (for Tokuso Resin Hardner)
Denture Reline Materials

Benefits
- Easy polishing
- Great handling
- Almost no odor or taste
- Low heat generation
- Minimal chemical irritation
- Durability
- One-appointment procedure
- Accurate adaptation of the denture
- Saves laboratory costs

Indications
- Hard relining for complete or partial dentures
- Extension of denture borders

Products
- 20506 Rebase II Kit
  80g Powder, 50mL Liquid bottle, 15mL Adhesive bottle, 48g Tokuso Resin Hardener and Accessories
- 20546 Rebase II Powder (80g)
- 20562 Rebase II Liquid (50mL bottle)
- 20563 Adhesive (15mL bottle)
- 20171 Resin Hardener II (48g jar)
- 20133 Tokuso Rebase MR. Bond (5.5mL bottle)

Technical

Standard Handling Time for Rebase II

- Mix
- Excess removal and muscle treatment
- Keep in mouth
- Immersion in Resin Hardener II
- Finishing and polishing

Application
- Setting time varies according to room temperature and powder-to-liquid ratio.

Trim Excess
- Extraoral
- Intraoral
- Extraoral or Intraoral
**Sofreliner Tough®**

Chairside and Laboratory Soft Denture Reline Material

**SOFRELINER TOUGH®** is an addition-cured silicone material for relining dentures on patients that require relief on upper or lower, partial or full dentures. With superb stain resistance, excellent adhesion to the denture, and superior tear resistance, Sofreliner Tough® ensures patient satisfaction for up to 24 months. Available in two formulas below.

**SOFRELINER TOUGH® S (Soft)** delivers a Shore A Hardness of 24, and up to 18-month relief of irritated tissue. For use with first-time dentures, after surgery, teeth extraction, or implant procedures. Designed for applications when pain relief is the primary concern.

**SOFRELINER TOUGH® M (Medium)** provides a Shore A Hardness of 43, with up to 24-month relief for patients experiencing pressure point problems, mucous atrophy, major undercuts, or improved suction. Designed for applications that require the optimal balance of longevity and comfort.

---

**Sofreliner Tough® S Kit**
- 52g Cartridge
- 10mL Primer bottle
- Accessories
  - TD II mixing tips XS (x 10)
  - Coarse point (Black)
  - Finishing wheel (Brown)
  - Spatula
  - Drip-cap for primer
  - Plastic cup (x 1)
  - Brush no. 5 (x 1)

**Sofreliner Tough® S Finishing System**
- 1 Coarse point (black)
- 5 Finishing wheels (brown)
- 2 Washers

**Sofreliner Tough® M Kit**
- 54g Cartridge
- 10mL Primer bottle
- Accessories
  - TD II mixing tips XS (x 10)
  - Shape adjustment point (White)
  - Finishing point (Brown)
  - Spatula
  - Drip-cap for primer
  - Plastic cup (x 1)
  - Brush no. 5 (x 1)

**TD II Mixing Tip XS**
- 50 per box (yellow)

**Silicone Remover**
- 7mL bottle

**Sofreliner Tough® S Paste**
- 52g cartridge

**Sofreliner Tough® M Paste**
- 54g cartridge

**Sofreliner Tough® Primer**
- 10mL bottle
### Benefits

- Long-lasting comfort for patients, providing up to 2-year relief
- Relief for irritated tissue, after surgery, tooth extraction, or implant procedures
- Up to 40% less waste than competing brands
- Strong adhesion to the denture
- Less discoloration
- Lasting surface smoothness
- Auto dispensing/No hand mixing

<table>
<thead>
<tr>
<th>Spreading of paste time (minutes)</th>
<th>Sofreliner Tough® Soft</th>
<th>Sofreliner Tough® Medium</th>
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<tr>
<td></td>
<td>2:00</td>
<td>2:00</td>
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<tr>
<td>Set time (minutes)</td>
<td>More than 5:00</td>
<td>More than 5:00</td>
</tr>
<tr>
<td>Shore A Hardness</td>
<td>24</td>
<td>43</td>
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### Indications

<table>
<thead>
<tr>
<th>Indications</th>
<th>Sofreliner Tough® Soft</th>
<th>Sofreliner Tough® Medium</th>
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<tbody>
<tr>
<td>• Sharp ridges of aveolar</td>
<td>X</td>
<td>X</td>
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<tr>
<td>• Mucous atrophy</td>
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<td>X</td>
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<tr>
<td>• Major undercuts</td>
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<td>X</td>
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<td>• Maxillary/mandibular tori</td>
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<td>X</td>
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<tr>
<td>• Overdenture</td>
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<td>• Pain relief</td>
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<td>• Improved denture suction</td>
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<tr>
<td>• First-time denture wearers</td>
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<tr>
<td>• Irritated tissue</td>
<td>X</td>
<td></td>
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<tr>
<td>• After surgery or tooth extraction</td>
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<td>• Implants</td>
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### Products

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<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>23351</td>
<td>Sofreliner Tough® M Kit 54g Cartridge, Primer (10mL bottle), Mixing Tips and Accessories</td>
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<tr>
<td>23356</td>
<td>Sofreliner Tough® M Paste (54g cartridge)</td>
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<tr>
<td>23401</td>
<td>Sofreliner Tough® S Kit 52g Cartridge, Primer (10mL bottle), Mixing Tips and Accessories</td>
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<td>23411</td>
<td>Sofreliner Tough® S Paste (52g cartridge)</td>
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<tr>
<td>23441</td>
<td>Sofreliner Tough® Primer (10mL bottle)</td>
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<tr>
<td>23361</td>
<td>Sofreliner Tough® Shape Adjustment Point (White)</td>
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<td>23362</td>
<td>Sofreliner Tough® Finishing Point (Brown X6)</td>
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<td>23363</td>
<td>Sofreliner Tough® Diamond Round Point</td>
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<td>23431</td>
<td>Sofreliner Tough® S Finishing System Coarse point x 1, Finishing Wheel x 5, Washer x 2</td>
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<td>23380</td>
<td>TD II Mixing Tip XS (50 per Box – Yellow)</td>
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<tr>
<td>23372</td>
<td>TD II Dispenser</td>
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<tr>
<td>23337</td>
<td>Silicone Remover (7mL bottle)</td>
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</tbody>
</table>
Tokuyama offers a solution for all cementation of precious and non-precious metals, ceramics, porcelain, cured composite crowns, inlays, onlays, bridges and veneers; Bistite® II DC is our self-etching, dual-cured adhesive resin cement with excellent handling and outstanding bond strength.
Bistite® II DC
Self-Etching, Dual-Cured Adhesive Resin Cement

BISTITE® II DC is a self-etching, dual-cured adhesive resin cement system with excellent handling and adhesive properties. Bistite® II DC kit is designed and manufactured for cementation of precious and non-precious metals, ceramics, porcelain, cured composite crowns, inlays, onlays, bridges and veneers. Metaltite®, precious metal primer and Tokuso® Ceramic Primer are included in the Bistite® II DC Kit.

Bistite® II DC Kit (Clear, Ivory or Dentin)
• 7g syringe (Paste)
• 5mL Primer 1 (A&B) bottles
• 5mL Primer 2 bottle
• 6 mL air barrier syringe
• 1 mL Tokuso Ceramic Primer (A&B) bottles
• 1 mL Metaltite bottle
• Accessories*

Bistite® II DC Refill Paste (Clear, Ivory or Dentin)
• 7g syringe

Air Barrier
• 6mL Air Barrier syringe

Air Barrier Dispensing Tips
• 50 tips

Tokuso® Ceramic Primer (A&B)
• 5mL each bottle

Bistite® II DC Primer 1 (A&B)
• 5mL each bottle

Bistite® II DC Primer 2
• 5mL bottle

Metaltite®
• 5mL bottle

*Mixing Well
Mixing Pad
Spatula
Disposable Brush and Handle
Air Barrier, Dispensing Tips
Benefits

- Outstanding bond strength
- Low film thickness (10µm)
- Multiple shades available
- Easy excess removal
- Extended shelf life
- All-inclusive kit
- Self-etching
- Eliminates tin plating

Indications

- Cementation and bonding of precious metal, non-precious metal, cured composite resin, porcelain and ceramic prosthesis
- Repair of fractured porcelains fused to metal crowns and all ceramic restorations
- Cementations of acid etch bridges
- Cementation of resin composite core post systems and metal post and cores

Products

- Bistite II DC Kit: (Clear)
  Paste 7g syringe, Primer 1(A&B) 5mL bottle each, Primer 2 5mL Bottle, Air Barrier 6mL Syringe, Tokuso Ceramic Primer(A&B) 1mL Bottle each, Metaltite 1mL Bottle and Accessories
- Bistite II DC Kit: (Ivory – see contents above)
- Bistite II DC Kit: (Dentin – see contents above)
- Bistite II DC Paste (Clear – 7g syringe)
- Bistite II DC Paste (Ivory – 7g syringe)
- Bistite II DC Paste (Dentin – 7g syringe)
- Air Barrier (6mL syringe)
- Air Barrier Dispensing Tip (50 tips)
- Bistite II DC Mixing Pad (1 Pad, 60 Sheets – 3.35”x2.17”)
- Bistite II DC Primer 1A (5mL bottle)
- Bistite II DC Primer 1B (5mL bottle)
- Bistite II DC Primer 2 (5mL bottle)
- Tokuso Ceramic Primer A&B (5mL bottles)
- Metalite (5mL bottle)

Shades

- Clear
- Ivory
- Dentin

Physical Properties

- Compressive strength 348 MPa
- Flexural strength 109 MPa
- Film thickness 10 µm

<table>
<thead>
<tr>
<th>Tensile Bond Strength</th>
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</thead>
<tbody>
<tr>
<td>Enamel</td>
</tr>
<tr>
<td>Dentin</td>
</tr>
<tr>
<td>Precious Metal</td>
</tr>
<tr>
<td>Ceramic</td>
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</tbody>
</table>
These Primers and Agents are designed to offer a solution to a full spectrum of needs either pre or post procedure. We offer a variety of ceramic and metal priming agents, including Metaltite®, a primer for precious metals, as well as Tokuso® Ceramic Primer and Tokuso® Rebase MR. Bond, which bonds self-curing acrylic resins with non-precious metals. Our Silicone Remover can be used to remove silicone-based reline material from acrylic dentures with ease. No matter which you choose, these essentials offer reliability and quality in a trustworthy package.
Primers & Agents

Silicone Remover

**SILICONE REMOVER** is an auxiliary agent used to remove silicone-based resilient denture liner from the acrylic denture and to remove silicone rubber impression material from the impression resin tray.

**Benefits**
- Removes old silicone reline from the acrylic denture easily
- Works fast and saves time when removing old denture reline
- No mess, compared to grinding the material
- Liquid solution provides ease of use

**Indications**
- Removal of old silicone denture reline
- Removal of impression material from tray

Metaltite®

**METALTITE®** is a primer to improve the adhesion between resins and precious metals such as gold, titanium, semi-precious metals and many other dental alloys. Metaltite® contains MTU-6, a thiouracil monomer, which enhances a tenacious chemical bond between resins and precious metals. Its high bond strength eliminates tin plating of metal surfaces.

**Benefits**
- Elimination of tin plating
- Greatly improves bond between resins and precious metals

**Indications**
- Cementation of precious metal inlays, onlays, crowns, bridges etc.
- Cementation of precious metal post and cores
- Intra-oral repair of precious metal bonded porcelain
- Repair of precious metal based dentures before the application of acrylic
- Bonding of opaque resin to a precious metal base (in fabricating a resin face crown) indirectly or intraorally

Tokuso® Ceramic Primer

**TOKUSO® CERAMIC PRIMER** is a primer containing a silane coupling agent to improve the adhesion between ceramics and resins. Tokuso® Ceramic Primer can be effectively used as a primer in conjunction with the cementation and repair of ceramic restorations.

**Benefits**
- Greatly improves adhesion between ceramic and resin
- Contains a silane coupling agent

**Indications**
- Repair of ceramic restorations
- Cementation of ceramic restorations

Tokuso® Rebase MR. Bond

**TOKUSO® REBASE MR. BOND** is a primer for the bonding of self-curing acrylic resins with non-precious metals. It provides strong adhesion for all self-curing acrylic resins including denture materials made of non-precious metals such as metal plate dentures. MR. Bond is the perfect companion to Rebase II for metal plate denture relines. It contains an adhesive monomer, Mac-10, developed by Tokuyama Dental, for strong adhesion to chrome-cobalt alloys, nickel-chromium alloys, titanium alloys and tin-plated precious metal alloys.

**Benefits**
- Strong adhesion
- Enables relining of metal dentures with acrylic denture liners

**Indications**
- Relining of metal plate dentures
- Bonding of self-curing acrylic resins with non-precious metals

Products

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23337</td>
<td>Silicone Remover (7mL bottle)</td>
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<tr>
<td>20133</td>
<td>Tokuso® Rebase MR. Bond (5.5mL bottle)</td>
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<tr>
<td>16547</td>
<td>Metaltite® (5mL bottle)</td>
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<tr>
<td>16543</td>
<td>Tokuso® Ceramic Primer (5mL bottle each)</td>
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