Relax, no stress

**Estelite Bulk Fill Flow**

Single layer solution *FLOW* which eliminates shrinkage stress.

At last you will be able to use a flowable "Bulk" composite for your esthetic restorations, without the stress of cavity configuration.
Estellite Bulk Fill *Flow*

Resin composite for dental restorations.

**Easy**
Single placing up to 4 mm.
No need of final “capping layer”.
Extremely easy polishing.

**Esthetic**
High color match with the surrounding dentition.
Superior and long lasting retention gloss.

**Reliable**
Reduced shrinkage stress.
Good adaptation to cavity walls.
High wear resistance and low wear with opposing tooth.

**SUPRA-NANO SPHERICAL FILLER**
- Outstanding polishability
- Long lasting superior gloss
- High physical and mechanical performance

**NEW PATENTED “EDGELESS” FILLER**
- Spherical prepolymerized rounded shape Supra-Nano fillers
- Less stress
- Reduced polymerization shrinkage

Indications:
- Lateral-posterior cavity restorations
- Class I and II cavity lining
- Cavity base for indirect restorations (eliminating undercuts)
- Small repairs of porcelain/composite.

*This is not a Tokuyama Dental registered trademark*
Estelite Bulk Fill Flow is totally different from traditional fluid bulk composites, which require a final "capping layer" with a universal composite. With Estelite Bulk Fill Flow, only ONE layer up to 4 mm is enough to complete a restoration. The reduced curing time thanks to the "RAP Technology" and the easy polishing reduce the time to complete a restoration and make it easier without compromising the esthetic outcome.

**Easy filling**

- **Estelite Bulk Fill Flow**: Only one layer, up to 4 mm.
- Incremental layering technique.
- Flowable Bulk composite with a final capping layer with a universal composite.

**Quick curing, excellent smoothness, self-leveling effect**

- 10 seconds of light curing (≥800mW/cm²)
- Observation of behavior in the cavity: 1 - 2 - 3
- Dentin - enamel junction 1
- Cavity angles 2
- Cavity floor 3

**Easy polishing**

- Estelite Bulk Fill Flow gloss reaches over 80% after 10 seconds only.

**Gloss measured at 60 seconds using an IdentoBrush brush**

<table>
<thead>
<tr>
<th>Product</th>
<th>Glossiness (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Estelite Bulk Fill Flow</strong></td>
<td>95</td>
</tr>
<tr>
<td><strong>Estelite Quick</strong></td>
<td>90</td>
</tr>
<tr>
<td><strong>SonicFill</strong></td>
<td>85</td>
</tr>
<tr>
<td><strong>SureFill SDR flow</strong></td>
<td>80</td>
</tr>
<tr>
<td><strong>Filtek Bulk Fill</strong></td>
<td>75</td>
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<tr>
<td><strong>Venus Bulk Fill</strong></td>
<td>70</td>
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<tr>
<td><strong>X-tra base</strong></td>
<td>65</td>
</tr>
<tr>
<td><strong>Tetric Evo Ceram Bulk</strong></td>
<td>60</td>
</tr>
<tr>
<td><strong>Filtek Bulk Fill posterior</strong></td>
<td>55</td>
</tr>
</tbody>
</table>

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*: ≥800mW / cm²

Source: Tokuyama Dental R&D
Esthetic

Estelite Bulk Fill *Flow* as a natural esthetic effect

The “chameleon” effect and the appropriate translucency degree of Estelite Bulk Fill *Flow* create an excellent color match with the surrounding dentition.

The difference between the composite restoration and the natural tooth is hardly noticeable!

Superior and long lasting retention gloss

The Supra-Nano spherical filler, patented by Tokuyama with the Sol-Gel technique, makes polishing easier also in Estelite Bulk Fill *Flow*, as in the Tokuyama composite range.

The unique shape and size of the filler particles allow to obtain a smooth surface which remains glossy over time.

IMAGES OF GLOSS AFTER 10,000 HEAT TEST CYCLES
LOW SHRINKAGE STRESS

The spherical shape of the Supra-Nano particles and the new "edgeless" rounded shape of the new prepolymerized filler used in Estelite Bulk Fill Flow do not restrict the filler movement during polymerization. In this way the friction between the filler particles and the organic matrix is reduced. While the material is polymerized, the resin shrinks creating polymers, but the filler particles are free to optimize their position minimizing stress. The result we obtain is an even distribution of stress on the filler particles, while the composite resin shrinkage is reduced.

SHRINKAGE STRESS MEASURED WITH A 4 MM THICK LAYER

Thanks to its characteristics, including low shrinkage stress and good radiopacity(170%), Estelite Bulk Fill Flow ranks among the first compared to competitors. Its high values in compressive and flexural strength, combined with very low wear and abrasion values of the opposing teeth, make Estelite Bulk Fill Flow the ideal material for the areas subject to masticatory loads.

HIGH WEAR RESISTANCE & LESS WEAR TO OPPOSING TEETH

Wear resistance carried out for 50,000 cycles under 0.66MPa load

FLEXURAL STRENGTH (MPa)

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
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<tbody>
<tr>
<td>Estelite Bulk Fill Flow</td>
<td>180</td>
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<tr>
<td>Estelite Flow Quick</td>
<td>170</td>
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<tr>
<td>SureFill SDR Flow*</td>
<td>160</td>
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<tr>
<td>Tetric EvoCeram Bulk Fill*</td>
<td>150</td>
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<tr>
<td>SonicFill*</td>
<td>140</td>
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<tr>
<td>Filtek Bulk Fill Posterior*</td>
<td>130</td>
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</table>

COMPRESSION STRENGTH (MPa)

<table>
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<tr>
<th>Material</th>
<th>Compressive Strength (MPa)</th>
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</thead>
<tbody>
<tr>
<td>Estelite Bulk Fill Flow</td>
<td>300</td>
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<tr>
<td>Estelite Flow Quick</td>
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<tr>
<td>SureFill SDR Flow*</td>
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<tr>
<td>Tetric EvoCeram Bulk Fill*</td>
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<tr>
<td>SonicFill*</td>
<td>260</td>
</tr>
<tr>
<td>Filtek Bulk Fill Posterior*</td>
<td>250</td>
</tr>
</tbody>
</table>

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Available packaging

**ESTELITE BULK FILL Flow**
- Syringe refills
- Contents: 1 syringe (3.0g); 10 intraoral metal tips
- Shade card
- Available in 5 shades

**SHADES**

A1  A2  A3  B1  U

**TOKUYAMA Dispensing Tip**
- Contents: 50 intraoral metal tips

**ESTELITE BULK FILL Flow**
- PLT refills
- Contents: 20PLTs (0.2g)
- Shade card
- Available in 5 shades

**FOR THE ENAMEL-DENTIN BONDING**
**TOKUYAMA DENTAL RECOMMENDS ITS ADHESIVES**

- Make sure that your light curing lamp is effective/efficient.
- Place the tip of your lamp as close as possible to the area to be cured in order to fully take advantage of the “RAP Technology.”
- Remember that light intensity decreases based on the square of the distance.
- Comply with the timing indicated for the enamel-dentin bonding to obtain longer-lasting restorations.
- Estelite Bulk Fill Flow was designed to turn its translucency after curing from semi-transparent to opaque, thus increasing its final luminosity.

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Stay tuned!
Enjoy incoming news from Tokuyama’s world

www.tokuyama.it