



# Tescera™ Preparation Guidelines

## Tescera Indirect Composite System



### Veneer Preparation

- Uniform facial reduction and depth
- Facial reduction: 0.6mm
- Incisal reduction: 1.5mm with rounded edge line angles
- Margin: chamfer with rounded internal line angles



### Anterior Crown Preparation

- Incisal reduction: 2.0mm with rounded edges
- Facial and lingual reduction: 1.5mm
- Margin: 1.5mm wide butt joint with rounded internal line angles



### Posterior Crown Preparation

- Occlusal reduction: 2.0mm
- Buccal and lingual reduction: 1.5mm
- Margins: 1.5mm wide butt joint (shoulder) with rounded internal line angles



### Inlay/Onlay Preparation

- **Inlay:** Occlusal preparation: min. of 2.0mm in depth
- **Onlay:** Occlusal (cuspal) reduction: approximately 2.0mm
- Diverging internal walls
- Margins: butt joint (shoulder)
- Isthmus width: min. 2.0mm
- Round all internal line angles

*Note: Finish lines should not be in opposing contact areas.*

## U-BEAM® Structural Support System

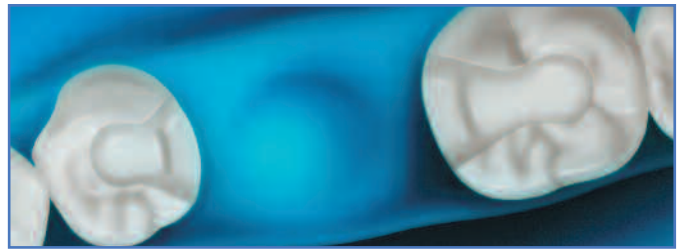


*The U-BEAM*

TESCERA composites can be reinforced with the U-BEAM. The U-BEAM combines the strength of 2 vertical “I-BEAMS” for cuspal support. The U-BEAM provides a long-lasting durable metal-free bridge resistant to twisting and flexing.

The U-BEAM inlay bridge is an ideal restoration for a missing premolar or molar when a patient does not desire an implant.

Below are ideal (conservative and minimally invasive) preparation recommendations. Teeth presenting large restorations will differ as necessary.



### U-BEAM Inlay Bridge Preparation

- Prepare tooth for a standard Class II inlay with the pulpal floor in dentin
- Proximal box: 4mm wide for the 4mm U-BEAM (3mm for the 3mm U-BEAM) with an axial depth of at least 2.0mm
- Gingival floor: at least 2.5mm from the occlusal surface
- Round all internal line angles
- External line angles should be at right angles (without bevels)

### U-BEAM Prep Gauge



For exact measurement of the preparation, dental professionals should use the U-BEAM Gauge after prepping.

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# Tescera™ Cementation & Materials

## Cementation Procedure

1. Remove provisional restoration; clean the preparation and try-in the definitive restoration. Eugenol may affect curing of ALL composite materials. If eugenol-containing temporary cement was used, clean the preparation with pumice to remove all traces of the cement.
2. Etch using a phosphoric acid etchant such as UNI-ETCH® or ETCH-37™, according to the manufacturer's instructions. If using a self-etch adhesive such as ALL-BOND SE™, skip this step and proceed to Step 3. (Note: Unlike ALL-BOND SE, most self-etch adhesives are not indicated for indirect restorations.)
3. Apply an adhesive, such as ALL-BOND 2®, ALL-BOND 3™, ALL-BOND SE™, ONE-STEP® or ONE-STEP® PLUS, according to manufacturer's instructions.

## Restoration Preparation:

1. Sandblast internal surface of restoration for 1-2 seconds. Rinse with water, and air dry.
2. Apply adhesive according to manufacturer's instructions.

## Cementation:

1. Apply the cement using an instrument or an applicator to the internal surface of the restoration.
2. Seat the restoration with gentle, passive pressure.
3. Remove excess cement according to manufacturer's recommendations.
4. Light cure each surface of the restoration for 40 seconds.

## Restorative Products From Bisco

Bisco Dental manufactures a full range of restorative products including adhesives, etchants, cements and composites. Everything you need to fabricate and permanently place TESCERA indirect composite restorations.

## Adhesives

### ALL-BOND 2 (4<sup>th</sup> Generation Adhesive)

All-Bond 2 with Uni-Etch 32% with BAC	<b>B-42500A</b>
Primer A and B Set (6ml ea.)	<b>B-2510A</b>
Dentin/Enamel (D/E) Bonding Resin (6ml)	<b>B-2502A</b>
Pre-Bond Resin (3ml)	<b>B-2501A</b>
Pre-Bond Resin (6ml)	<b>B-2506A</b>

### ALL-BOND 3 (4<sup>th</sup> Generation Adhesive)

All-Bond 3 Bottle Kit	<b>B-36200K</b>
All-Bond 3 Part A and B Set (6ml ea.)	<b>B-36010P</b>
All-Bond 3 Resin: 2 Syringes (1.5g ea.)	<b>B-3604P</b>

### ONE-STEP/ONE-STEP PLUS (5<sup>th</sup> Generation Adhesives)

#### Bottle Kits

One-Step Standard Package with Syringe Etchant	<b>U-10010</b>
One-Step Plus with Syringe Etchant Kit	<b>U-2260K</b>

#### Unit-Dose Kit

One-Step Plus/Uni-Etch Ez-Dose™ (80 pk)	<b>U-2250K</b>
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#### Refills

One-Step (6ml)	<b>U-1102P</b>
One-Step Plus (6ml)	<b>U-2001P</b>

### ALL-BOND SE (6<sup>th</sup> Generation Adhesive)

All-Bond SE Bottle Kit	<b>U-30120K</b>
All-Bond SE Part I and II Set (6ml ea.)	<b>U-3010P</b>
All-Bond SE Liner: 1 Syringe (1.5g)	<b>U-3012P</b>

## Semi-Gel Etchants

### UNI-ETCH (32%)

4 Syringes (5g ea.) With Tips	<b>E-5502EM</b>
Bulk Bottle (70g)	<b>E-5637E</b>

### UNI-ETCH WITH BAC (32%)

4 Syringes (5g ea.) With Tips	<b>E-5502EBM</b>
Bulk Bottle (70g)	<b>E-5637EB</b>

### UNI-ETCH EZ-DOSE WITH BAC (32%)

100 Ez-Dose Tips (0.2g ea.) & Ez-Dose Syringe	<b>E-53240BP</b>
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## Cements

### BisCem® Self-Adhesive Resin Cement

Translucent - 1 Dual-Syringe (8g, mixed)	<b>D-45011P</b>
Opaque - 1 Dual-Syringe (8g, mixed)	<b>D-45012P</b>

### DUO-LINK™ Translucent Luting Cement

Translucent - 1 Dual-Syringe (8g, mixed)	<b>A-19010P</b>
Clear - 1 Dual-Syringe (8g, mixed)	<b>A-19061P</b>

### C&B™ (Crown & Bridge) Luting Cement

Opaque - 1 Dual-Syringe (8g, mixed)	<b>B-22110P</b>
Natural - 1 Dual-Syringe (8g, mixed)	<b>B-22210P</b>
Natural w/FL - 1 Dual-Syringe (8g, mixed)	<b>B-22310P</b>

### Choice™ 2 Veneer Cement

Starter Kit	<b>C-3900K</b>
Try-In Paste Kit	<b>C-41205P</b>

### U-BEAM Gauge

**N-5102P**

## TESCERA U-BEAM Certified Labs

Find your TESCERA U-BEAM Certified Lab using the Tescera Lab Finder at [www.bisco.com](http://www.bisco.com).



**800.247.3368**

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