



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

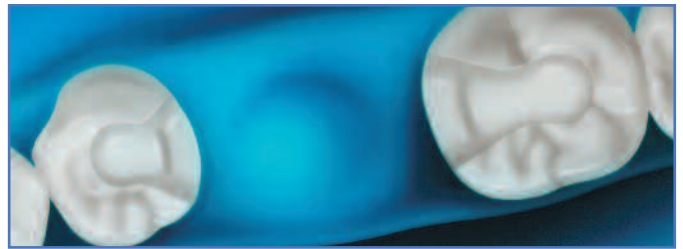


The U-BEAM

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 (4th Generation Adhesive)

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

ALL-BOND 3 (4th Generation Adhesive)

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

ONE-STEP/ONE-STEP PLUS (5th Generation Adhesives)

Bottle Kits

One-Step Standard Package with Syringe Etchant	U-10010
One-Step Plus with Syringe Etchant Kit	U-2260K

Unit-Dose Kit

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

One-Step (6ml)	U-1102P
One-Step Plus (6ml)	U-2001P

ALL-BOND SE (6th Generation Adhesive)

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

Semi-Gel Etchants

UNI-ETCH (32%)

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

UNI-ETCH WITH BAC (32%)

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

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

100 Ez-Dose Tips (0.2g ea.) & Ez-Dose Syringe	E-53240BP
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Cements

BisCem® Self-Adhesive Resin Cement

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

DUO-LINK™ Translucent Luting Cement

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

C&B™ (Crown & Bridge) Luting Cement

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

Choice™ 2 Veneer Cement

Starter Kit	C-3900K
Try-In Paste Kit	C-41205P

U-BEAM Gauge

N-5102P

TESCERA U-BEAM Certified Labs

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