Lava™ Ultimate Inlay/Onlay – STEP BY STEP GUIDE

1. PREPARATION AND BLOCK SELECTION

- Use traditional inlay and onlay design defined as a restoration where the preparation must minimally contain an internal retentive design element e.g. an interproximal or occlusal box.

2. TRAIL FIT AND OPTIONAL ADD-ON

- Trial fit cleaned restoration. Contour with coarse Sof-Lex™ Disc if needed.
- If an add-on is needed – e.g. for strengthening a contact – roughen area with bur or by sandblasting.
- Apply Scotchbond™ Universal Adhesive and scrub it in for 20 seconds.
- Blow a gentle stream of air over the liquid for about 5 seconds until it no longer moves and the solvent has evaporated completely.
- Light cure the adhesive for 10 seconds.
- Apply Filtek™ Supreme Ultra Flowable Restorative and light cure for 20 seconds. Finish and polish as described below.

3. POLISH

- Grind off sprue with coarse rubber wheel or medium-to-fine bur.
- Finish sprue area with medium rubber tool. Pre-polish with fine rubber tool.
- Using a soft 15 mm bristle brush, spin brush in polishing agent to incorporate paste into brush.
- Apply with low speed hand piece, working slowly into surface.
- Buff with a muslin rag wheel.

3M ESPE PRODUCTS FOR INLAY/ONLAY PROCEDURE

- Scotchbond™ Universal Adhesive
- Filtek™ Supreme Ultra Flowable Restorative
- CoJet™ Sand (68411)
- Scotchbond™ Universal Etchant
- RelyX™ Ultimate Adhesive Resin Cement Trial Kit (A1) (56894)

Before using the products described, please refer to the Instructions for Use provided with the product packages.
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### PRIME RESTORATION

1. **Clean** restoration in an ultrasonic cleaner or steam cleaner. Blow dry with air.
2. **Sandblast** with aluminum oxide grain size ≤ 50 μm (e.g. CoJet™ Sand) at two bars (30 psi) until entire bonding surface appears matte.
3. **Remove** sand with alcohol. Dry with oil-free, moisture-free air. Do not use other chemical agents.
4. **Apply** Scotchbond™ Universal Adhesive and scrub it in for 20 seconds.
5. Blow a gentle stream of air over the liquid for about 5 seconds until it no longer moves and the solvent has evaporated completely.

### PRIME PREPARATION

1. Thoroughly clean bonding surface with pumice and water, rinse and dry. Apply rubber dam to isolate the tooth.
2. Selectively etch enamel for 15 seconds OR etch enamel and dentin for 15 seconds.
3. Rinse with water. Lightly air dry or blot dry leaving a slightly moist surface. Do not over dry.
4. Apply Scotchbond™ Universal Adhesive and scrub it in for 20 seconds. Remove pooled adhesive with a dry microbrush.
5. Blow a gentle stream of air over the liquid for about 5 seconds until it no longer moves and the solvent has evaporated completely.
6. For maximum adhesion light cure the adhesive for 10 seconds.

### SEAT

1. Mount mixing tip and discard the initial amount. Apply a uniform layer of RelyX™ Ultimate Adhesive Resin Cement to the tooth OR the restoration.
2. Completely seat the restoration using a suitable instrument.
3. While holding the restoration firmly in place, wipe off excess using sponge pellets and floss. Cover margins with glycerin gel.
4. Wait 90 seconds or tack light cure for 1 second for cement to reach gel state. While holding restoration firmly in place remove excess cement with a sharp instrument.
5. Light cure 20 seconds per surface. Total cure time should be at least 60 seconds depending on number of surfaces.
6. Finish margins after cure is fully established.

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3M ESPE Dental
2510 Conway Avenue
St. Paul, MN 55144-1000 USA
1-800-634-2249

3M Canada
Post Office Box 5757
London, Ontario N6A 4T1
Canada
1-888-363-3685

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