

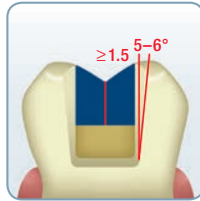
# Lava™ Ultimate Inlay/Onlay – STEP BY STEP GUIDE

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

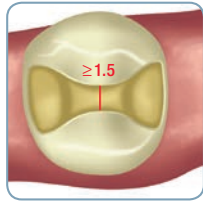
1

PREPARATION AND BLOCK SELECTION

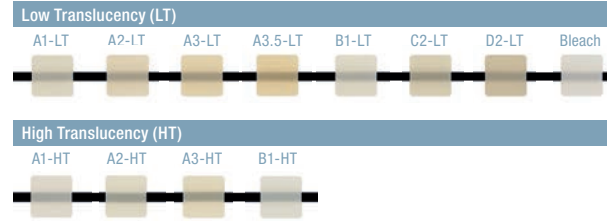
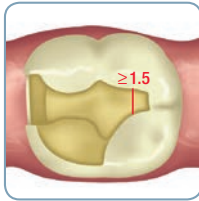
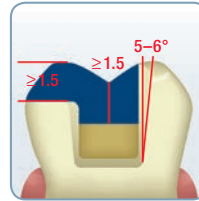
Use traditional inlay and onlay design defined as a restoration where the preparation must minimally contain an internal retentive design element e.g. an interproximal or occlusal box.



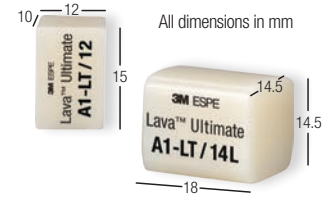
Inlay preparation



Onlay preparation



Select shade and translucency



Select the block size

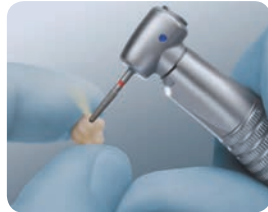
2

TRIAL FIT AND OPTIONAL ADD-ON



Trial fit cleaned restoration. Contour with coarse Sof-Lex™ Disc if needed.

OPTIONAL ADD-ON



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.



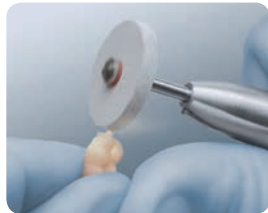
Light cure the adhesive for 10 seconds.



Apply Filtek™ Supreme Ultra Flowable Restorative and light cure for 20 seconds. Finish and polish as described below.

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POLISH



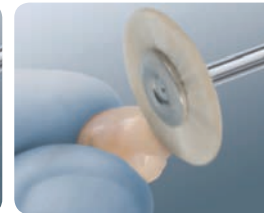
Grind off sprue with coarse rubber wheel or medium-to-fine bur.



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 slowing 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)



Sof-Lex™ Spiral Wheels – Introductory Kit (50821)



# Lava™ Ultimate Inlay/Onlay – STEP BY STEP GUIDE



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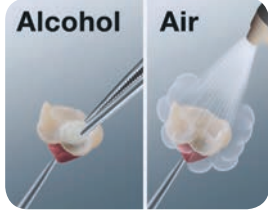
PRIME RESTORATION



Clean restoration in an ultrasonic cleaner or steam cleaner. Blow dry with air.



**Sand  $\leq 50\mu\text{m}$**   
Sandblast with aluminum oxide grain size  $\leq 50\mu\text{m}$  (e.g. CoJet™ Sand) at two bars (30 psi) until entire bonding surface appears matte.



**Alcohol** **Air**  
Remove sand with alcohol. Dry with oil-free, moisture-free air. Do not use other chemical agents.



**20 sec.**  
Apply Scotchbond™ Universal Adhesive and scrub it in for 20 seconds.



**Air**  
**5 sec.**  
Blow a gentle stream of air over the liquid for about 5 seconds until it no longer moves and the solvent has evaporated completely.

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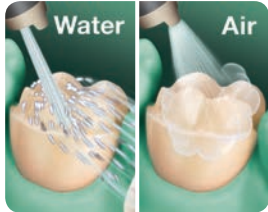
PRIME PREPARATION



Thoroughly clean bonding surface with pumice and water, rinse and dry. Apply rubber dam to isolate the tooth.



**15 sec.**  
Selectively etch enamel for 15 seconds OR etch enamel and dentin for 15 seconds.



**Water** **Air**  
Rinse with water. Lightly air dry or blot dry leaving a slightly moist surface. Do not over dry.



**20 sec.**  
Apply Scotchbond™ Universal Adhesive and scrub it in for 20 seconds. Remove pooled adhesive with a dry microbrush.



**Air**  
**5 sec.**  
Blow a gentle stream of air over the liquid for about 5 seconds until it no longer moves and the solvent has evaporated completely.



**10 sec.**  
For maximum adhesion light cure the adhesive for 10 seconds.

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SEAT



Mount mixing tip and discard the initial amount. Apply a uniform layer of RelyX™ Ultimate Adhesive Resin Cement to the tooth OR the restoration.



Completely seat the restoration using a suitable instrument.



**Glycerine-Gel**  
While holding the restoration firmly in place, wipe off excess using sponge pellets and floss. Cover margins with glycerin gel.



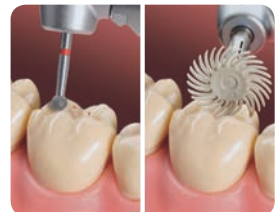
**wait 90 sec.**  
Wait 90 seconds or tack light cure for 1 second for cement to reach gel state. While holding restoration firmly in place remove excess cement with a sharp instrument.



**3-5x 20 sec.**  
Light cure 20 seconds per surface. Total cure time should be at least 60 seconds depending on number of surfaces.



Finish margins after cure is fully established.



Check occlusion and make any necessary adjustments with a diamond bur. Finish with Sof-Lex™ Spiral Finishing and Polishing Wheels.

3M

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