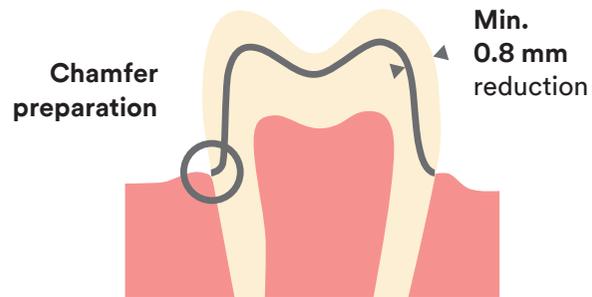


## Preparation guidelines.



With 800 MPa<sup>1</sup> strength, 3M™ Lava™ Esthetic Zirconia crowns offer higher strength than glass ceramic restorations – allowing for a reduced wall thickness of 0.8 mm<sup>2</sup>.



Indicated for crowns and anterior/posterior bridges with maximum one pontic between two crowns, inlays/onlays, and veneers. For cases with very limited space or parafunctional patients requiring ultimate strength, choose 3M™ Lava™ Plus Zirconia.

1. 3-point bending strength according to ISO 6872:2015; qualified for Type II, class 4; indications: crowns, bridges with one pontic between two crowns, inlays, onlays and veneers.

2. 3M data on file.

## Shade selection.

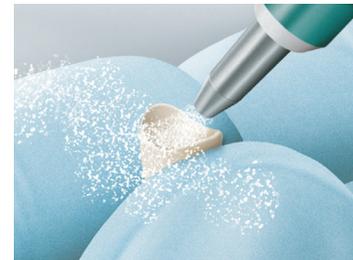


Lava Esthetic Zirconia offers a built-in shade gradient and inherent fluorescence for a true match to VITA® Classic shades.

Determine target shade with VITA® Classic shade guide.

Lava Esthetic Zirconia has a high translucency. Dark preparations may shine through. Communicate the stump shade to your lab to ensure shade match.

## Pre-treatment of bonding surface.



Sandblast with alumina,  $\leq 50 \mu\text{m}$  grain size at 2 bars (30 PSI).



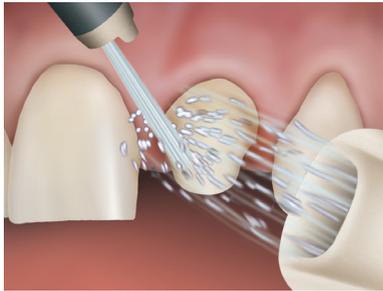
Clean with alcohol and dry with oil-free air.

Sandblasting of the bonding surface can be performed in the dental lab before sending the crown to you. If you prefer to sandblast yourself, do it after the try-in (see back page).

3M™ Lava™ Esthetic Zirconia allows for conventional, self-adhesive or adhesive cementation. 3M recommends the clinically proven 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement offering high bond strength to Lava Esthetic Zirconia – with no primer required.



## Try-in and clean.



Remove provisional crown and **mechanically clean prep.** Do not use H<sub>2</sub>O<sub>2</sub>, EDTA or Na<sub>2</sub>CO<sub>3</sub>. Rinse and dry.



**Try-in** the 3M™ Lava™ Esthetic Zirconia crown. Do not force crown into place. Check fit and contacts.

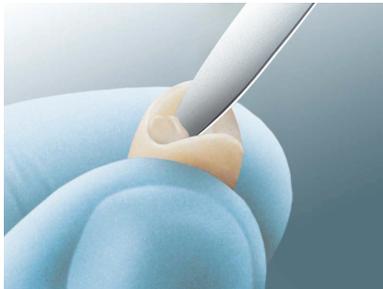


**Adjust** as needed with fine-grain diamond bur and water cooling. Make sure to maintain a minimum wall thickness of 0.8 mm. **Polish** adjusted areas with rubber polishers used for ceramics.



**Clean bonding surface with NaOCl** (ca. 5%), rinse with water and dry. OR, if not already sandblasted by lab, sandblast now as described on front page.

## Apply cement and seat.



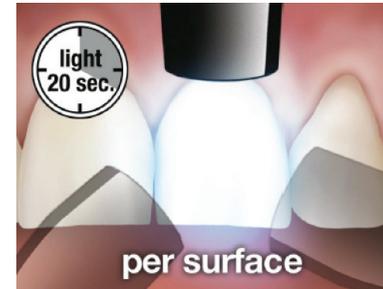
Discard small amount, then **dispense** 3M™ RelyX™ Unicem 2 Cement onto the clean, sandblasted bonding surface.



**Firmly seat** the crown with finger pressure. **Tack cure** excess cement for 1–2 seconds. Do not exceed recommended tack cure time.



**Remove excess** with a scaler while holding the crown in place.



**Light-cure** for 20 seconds per surface or wait 6 minutes from start of mix for self-cure. Finish and polish margins as needed.



Finished crown.

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

**3M Oral Care** 3M Australia Pty Limited, ABN 90 000 100 096, Building A, 1 Rivett Rd, North Ryde, NSW 2113, 1300 363 454

3M New Zealand Limited, 94 Apollo Drive, Rosedale, Auckland 0632, 0800 80 81 82

3M, "3M Science. Applied to Life.", Lava and RelyX are trademarks of 3M. All other trademarks are owned by other companies. Please recycle. © 3M 2017. All rights reserved.