

Lava™

Precision Solutions



Amazing results are in...
millions of reasons to request Lava™ Zirconia.

After 10 years of clinical experience, Lava™ Zirconia is #1 in the U.S.¹, offering:

- Now with a 15 year warranty!²
- 100 clinical studies
- Millions of cases
- Superior strength—even with conservative preps
- Conventional cementation—no adhesive bond strength required
- Outstanding esthetics—without compromising strength
- Excellent marginal fit with the Lava™ Precision System
- Wide range of indications

It's easy to see why dentists and labs have made Lava™ Zirconia the #1 brand requested by dentists.

Lava™ Crowns and Bridges from 3M ESPE have long been established as a leader in CAD/CAM-produced zirconia restorations.

Why? Because Lava restorations provide precise fit, proven strength and natural esthetics. And your Lava™ Authentication label tells you you're receiving a genuine Lava restoration.



Porcelain-Fused-to-Metal Crown

VS



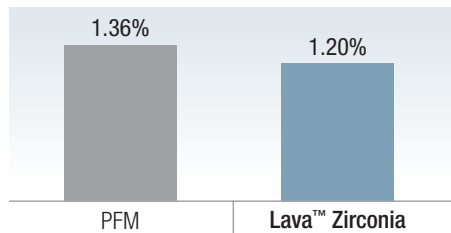
Lava™ Zirconia Crown

1. US Marketshare for dental lab CAD/CAM restorations, iData Research, 2009.
2. See back page for warranty information.
3. Photography and case study courtesy of Dr. Heather Rehtin.
4. Dentistry and clinical photography courtesy of Ariel Raigrodski, DMD, MS; Ceramics, Mr. Andreas Saltzer, CDT.

3M ESPE

Like Lava™ Zirconia performance, the data tells the story.

Outstanding Results



Posterior Crown Fracture/Chipping Rates

Source: Glidewell Laboratories. 44,133 total restorations.⁵

Excellent Performance

Lava™ Crown and Bridge Restoration Fracture/Chipping Rate

- 0.86% — 16,632 units⁶ (Issaquah Dental Lab)
- 0.74% — 20,300 units⁷ (Okon Dental Lab)



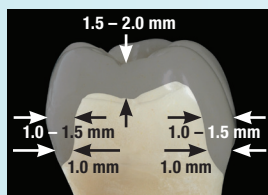
5. Fabricated between September 2005 and February 2006. Crowns replaced due to fracture or chipping 41–50 months after fabrication.

6. Units replaced due to porcelain fracture or chipping. Issaquah Dental Lab, 2008–2009.

7. Units replaced due to porcelain fracture or chipping. Okon Dental Lab, 2004–2009.

Offering Lava™ Restorations is easy!

Clinical Preparation and Procedure



Tooth Preparation

- Minimal tooth reduction required due to zirconia coping thickness of 0.3mm or 0.5mm
- Chamfer or shoulder margin



Traditional Impression

- 3M™ ESPE™ Impregum™ 3M™ ESPE™ Penta™ Soft Polyether Impression Material
- 3M™ ESPE™ Imprint™ 3M™ ESPE™ VPS Impression Material



Digital Impression

- Lava™ Chairside Oral Scanner C.O.S.



Temporization

- 3M™ ESPE™ Protemp™ Crown Temporization Material
- 3M™ ESPE™ Protemp™ Plus™ Temporization Material



Cementation

- 3M™ ESPE™ RelyX™ Unicem Self-Adhesive Universal Resin Cement
- 3M™ ESPE™ RelyX™ Luting Plus Cement

Indications for Use

Single crowns, Splinted crowns⁸, 3-unit bridges, 4-unit bridges, 5- and 6-unit bridges⁹, Curved and long-span bridges⁹, Cantilever bridges¹⁰, Inlay and onlay bridges¹¹, Anterior adhesive bridges¹¹, Primary crowns/Telescopes and Implant abutments.

8. Splinted crowns up to 4 units.

9. 5+ unit bridges (up to 48mm) with a maximum of two pontics next to one another in the posterior area and a maximum of four pontics next to one another in the anterior area (Only feasible with Lava™ Multi XL; in some regions Lava Multi XL is not available).

10. With a maximum of 1 pontics at the position of a premolar or incisor (not indicated for use in patients with bruxism).

11. Tests have proven: Lava™ Zirconia shows a sufficient strength for this indication. However, this type of indication overall can have a higher failure risk due to de-cementation and secondary caries regardless of manufacturer. Please refer to national and regional dental associations for more information (not indicated for use in patients with bruxism).

Limited Warranty and Limited Remedy: 3M ESPE warrants for 15 years from the date of placement that copings or substructures made out of Lava™ Frame Zirconium Oxide will not break if fabricated by an Authorized Lava™ Milling Center on Lava™ Equipment in strict compliance with approved indications and instructions for use for Lava Crowns and Bridges. 3M ESPE MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. 3M ESPE's sole obligation and the customer's sole remedy in the event of any breakage of the framework shall be limited to replacement of the milled and sintered framework, or at 3M ESPE's option, reimbursement of the milled and sintered framework at a fair market price. This warranty does not cover breakage resulting from accident or misuse, nor any additional costs such as but not limited to the cost of preparation or veneering.

Limitation of Liability: Except where prohibited by law, 3M ESPE will not be liable for any loss or damages arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

3M ESPE

Customer Care Center: 1-800-634-2249

Visit www.3MESPE.com/lava for more information

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