Getting started with Lava™ Plus High Translucency Zirconia Disc
Welcome.

Congratulations on your decision to offer Lava™ Plus High Translucency Zirconia. Dentists and their patients will be pleased with how closely you can match dental crowns and bridges to natural dentition.

The goal of this Reference Guide is to provide quick access to the information you need to get started—and be successful.

And if you need us, we’re here to answer any questions you have. Call: 1-800-634-2249
Introduction

We’re sharing our expertise so you can create Lava™ Plus High Translucency Zirconia restorations using your own equipment.

Lava is widely acknowledged as the trusted brand that built the market for zirconia restorations, initially through the Lava™ Milling Center network. After years of clinical use and millions of cases worldwide, we understand how to design, mill, sinter and finish our zirconia. Plus, we stay in contact with hardware and software manufacturers to optimize the milling process.

We’re sharing our expertise so you can create Lava™ Plus High Translucency Zirconia restorations using your own equipment. This helpful guide summarizes everything you need to know in one easy reference tool.

Available in disc format to fit most open-source milling systems.
**Lava™ Plus System: Products/Ordering Information**

**Lava™ Plus High Translucency Zirconia Discs**
Available in 98mm discs in 14mm, 18mm and 25mm thicknesses, with and without a step.

**With Step**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Thickness</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>69271</td>
<td>14mm</td>
<td>98mm</td>
</tr>
<tr>
<td>69272</td>
<td>18mm</td>
<td>98mm</td>
</tr>
<tr>
<td>69273</td>
<td>25mm</td>
<td>98mm</td>
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</table>

**Without Step**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Thickness</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>69274</td>
<td>14mm</td>
<td>98mm</td>
</tr>
<tr>
<td>69275</td>
<td>18mm</td>
<td>98mm</td>
</tr>
<tr>
<td>69276</td>
<td>25mm</td>
<td>98mm</td>
</tr>
</tbody>
</table>

**Lava™ Plus High Translucency Zirconia Dyeing Liquids**
The precise color match of the 18 pre-mixed Lava Plus dyeing liquids ensures predictable and precise results. Lava™ Plus Enamel Liquids enable easier, quicker, and more reproducible application results, while creating incisal esthetics for monolithic restorations.

**Dyeing Liquids: 100ml bottles**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Item#</th>
<th>Shade</th>
<th>Item#</th>
<th>Shade</th>
<th>Item#</th>
<th>Shade</th>
<th>Item#</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>69203</td>
<td>B1</td>
<td>69209</td>
<td>C1</td>
<td>69212</td>
<td>D1</td>
<td>69217</td>
</tr>
<tr>
<td>A2</td>
<td>69204</td>
<td>B2</td>
<td>69210</td>
<td>C2</td>
<td>69213</td>
<td>D2</td>
<td>69216</td>
</tr>
<tr>
<td>A3</td>
<td>69205</td>
<td>B3</td>
<td>69211</td>
<td>C3</td>
<td>69214</td>
<td>D3</td>
<td>69215</td>
</tr>
<tr>
<td>A3.5</td>
<td>69206</td>
<td>B4</td>
<td>69215</td>
<td>C4</td>
<td>69215</td>
<td>D4</td>
<td>69218</td>
</tr>
<tr>
<td>A4</td>
<td>69207</td>
<td>C1</td>
<td>69210</td>
<td>C2</td>
<td>69213</td>
<td>D1</td>
<td>69217</td>
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**Dyeing Liquids: 300ml bottles**

<table>
<thead>
<tr>
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<th>Item#</th>
<th>Shade</th>
<th>Item#</th>
<th>Shade</th>
<th>Item#</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>69176</td>
<td>A3</td>
<td>69178</td>
<td>C1</td>
<td>69180</td>
</tr>
<tr>
<td>A2</td>
<td>69177</td>
<td>B1</td>
<td>69179</td>
<td>C1</td>
<td>69180</td>
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**Enamel Liquids: 100ml each**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>69229</td>
<td>Lava™ Plus Enamel Liquid Intro Kit</td>
</tr>
<tr>
<td></td>
<td>Kit includes: Lava™ Plus Enamel Liquid EL (100ml); Lava™ Plus Enamel Liquid EM (100ml); Lava™ Plus Enamel Liquid EB (100ml); Applicator (50 pieces); Lava™ Plus Enamel Shade Guide</td>
</tr>
<tr>
<td>69226</td>
<td>Lava™ Plus Enamel Liquid EL (100ml)</td>
</tr>
<tr>
<td>69227</td>
<td>Lava™ Plus Enamel Liquid EM (100ml)</td>
</tr>
<tr>
<td>69228</td>
<td>Lava™ Plus Enamel Liquid EB (100ml)</td>
</tr>
<tr>
<td>69301</td>
<td>Applicator (50 pieces)</td>
</tr>
</tbody>
</table>

**Lava™ Plus High Translucency Zirconia Effect Shades**
Offered in 8 shades, including fluorescent, bringing individual artistry into every restoration.

<table>
<thead>
<tr>
<th>Item#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>69224</td>
<td>Lava™ Plus High Translucency Zirconia Effect Shade Kit</td>
</tr>
<tr>
<td></td>
<td>Kit includes: 1 Lava™ Plus Effect Shade (8ml each) of these nine shades: Orange, Gray, White, Pink, Yellow, Brown, Purple, Fluorescence; 1 Lava™ Plus Effect Shade Liquid Thinner (100ml)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shade</th>
<th>Item#</th>
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</thead>
<tbody>
<tr>
<td>Fluorescence</td>
<td>69260</td>
</tr>
<tr>
<td>Gray</td>
<td>69261</td>
</tr>
<tr>
<td>Brown</td>
<td>69262</td>
</tr>
<tr>
<td>Orange</td>
<td>69263</td>
</tr>
<tr>
<td>Thinner</td>
<td>69350</td>
</tr>
</tbody>
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**Effect Shades: 8ml each**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Item#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>69264</td>
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<tr>
<td>Purple</td>
<td>69265</td>
</tr>
<tr>
<td>Pink</td>
<td>69266</td>
</tr>
<tr>
<td>White</td>
<td>69267</td>
</tr>
</tbody>
</table>

**Shade Guide**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>69225</td>
<td>Lava™ Plus Shade Guide (Dyeing Liquids &amp; Effect Shades)</td>
</tr>
<tr>
<td>69300</td>
<td>Lava™ Plus Enamel Shade Guide</td>
</tr>
</tbody>
</table>

**Lava™ Plus High Translucency Zirconia Color Markers Kit**
Lava™ Plus High Translucency Zirconia Color Markers can be added to the Lava Plus dyeing liquid to visualize application on the pre-sintered restoration, allowing full control over custom shading.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>69223</td>
<td>Lava™ Plus Color Marker Kit Kit includes: Lava™ Plus Color Marker BLUE (10ml); Lava™ Plus Color Marker RED (10ml)</td>
</tr>
</tbody>
</table>

**Customer Care Center:** 1-800-634-2249

www.3M.com/LavaPlus
Lava™ Plus High Translucency Zirconia

What do you need to get started?

Choose your disc → Add dyeing liquids → Optional: effect shades, color markers and enamel liquids

IMPORTANT: Make sure your CAD/CAM equipment is appropriately programmed and you understand the process to achieve the best results from Lava Plus zirconia.
Lava™ Plus High Translucency Zirconia

Indications

Lava™ Plus High Translucency Zirconia is approved for crown and bridge indications, including full-contour all-zirconia or frameworks.

Restorations can be monolithic full contour or with a partial or full veneer.

*For more details and contraindications, please see the Lava Plus zirconia Instructions for Use (940KB).

Crowns (anterior and posterior)  Splinted crowns  3–4 unit bridges
Long-span and curved bridges*  Full-arch bridges  Cantilever bridges*
3-unit inlay and onlay bridges*  Anterior adhesive bridges (Maryland bridges)*  Primary crowns
Crowns on implant abutments*  Bridges on implants*  Zirconia build-up for 2-piece abutments

*For more details and contraindications, please see the Lava Plus zirconia Instructions for Use.
Lava™ Plus High Translucency Zirconia

Disc Specifications

Lava™ Plus High Translucency Zirconia in disc format fits most open-sourced milling systems. Available in two sizes: 98 mm diameter with a 10 mm step and 98 mm diameter without a step. Three heights are available: 14, 18 and 25 mm.

98 mm diameter with a 10 mm step

98 mm diameter without a step

Download the four-page Handling guideline for milling Lava™ Plus High Translucency Zirconia (PDF 657 KB)
Lava™ Plus High Translucency Zirconia

Software Options

**CAD**

To make design easier, the parameters for Lava™ Plus High Translucency Zirconia are included in popular design programs.

**CAM**

Common CAM software can be used. To make milling easier, hyperDENT Lava™ Edition contains the milling templates for all 3M™ Lava materials. hyperDENT Lava™ Edition can be operated on all existing Lava™ milling machines as well as on a selection of open milling machines.

For specific questions regarding your CAD or CAM software, please contact your software provider.
Lava™ Plus High Translucency Zirconia Discs can be milled by all milling systems with open architecture that are designed to mill 98mm discs—with or without a step. Please check the manual of your mill to determine if the Lava Plus zirconia format is compatible.
Lava™ Plus High Translucency Zirconia

Scaling the restoration

Scaling/Shrinkage Factors

All restorations must be enlarged by a certain factor before milling in order to compensate for the shrinkage of the material during sintering. The scaling factor is shown on the Lava™ Plus High Translucency Zirconia Disc and must be entered in the CAM software. The indicated scaling factor applies to undyed Lava Plus zirconia.

The scaling factor must be adjusted for restorations, which will be dyed with the Lava™ Plus High Translucency Zirconia Dyeing Liquids, because the dyeing chemistry slightly reduces the shrinkage during sintering. The corrective value of the specific dyeing liquid must be subtracted from the scaling factor shown on the Lava Plus zirconia disc. The table below shows recommended corrective values for some of the dyeing liquids:

<table>
<thead>
<tr>
<th>Dyeing liquid*</th>
<th>Corrective value of the scaling factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1, A2, B1, B2, B3, C2, D3, D4</td>
<td>- 0.0017</td>
</tr>
<tr>
<td>A3, A3.5, A4, B4, C3, C4</td>
<td>- 0.0030</td>
</tr>
</tbody>
</table>

Example for dyeing liquid A4: The scaling factor shown on the Disc is 1.2432. Subtract the corrective value 0.0030. The resulting scaling factor to enter in the CAM software for this restoration is 1.2402.

The hyperDent Lava™ Edition includes the adjustment for shade shrinkage, as well as optimized milling templates and strategies.

*W1, W3, C1 and D2 do not require a corrective value.
Lava™ Plus High Translucency Zirconia

Processing in the milling unit

Clean and dry the milling chamber of the milling unit before processing Lava™ Plus High Translucency Zirconia restorations. We recommend dry milling using uncoated milling tools with two flutes and the following processing parameters for Lava Plus zirconia:

<table>
<thead>
<tr>
<th>Job</th>
<th>Feed [mm/min]</th>
<th>Step Down [mm]</th>
<th>Step Over [mm]</th>
<th>Spindle Speed [rpm]</th>
<th>Tool Diameter [mm]</th>
<th>Tool Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roughing</td>
<td>600</td>
<td>0.4</td>
<td>0.6</td>
<td>10,000</td>
<td>2</td>
<td>carbide</td>
</tr>
<tr>
<td>Rest material roughing</td>
<td>600</td>
<td>0.3</td>
<td>0.3</td>
<td>30,000</td>
<td>1</td>
<td>carbide</td>
</tr>
<tr>
<td>Finishing inside 3D / Finishing occlusal</td>
<td>1,350</td>
<td>NA / 0.15</td>
<td>0.15</td>
<td>25,000</td>
<td>2</td>
<td>carbide</td>
</tr>
<tr>
<td>Finishing margin line 3D</td>
<td>500</td>
<td>NA</td>
<td>0.1</td>
<td>25,000</td>
<td>2</td>
<td>carbide</td>
</tr>
<tr>
<td>Finishing outside cavity</td>
<td>800</td>
<td>0.15</td>
<td>0.15</td>
<td>25,000</td>
<td>2</td>
<td>carbide</td>
</tr>
<tr>
<td>Fine finishing inside 3D</td>
<td>1,000</td>
<td>NA</td>
<td>0.12</td>
<td>20,000</td>
<td>1</td>
<td>carbide</td>
</tr>
<tr>
<td>Fissure machining</td>
<td>800</td>
<td>1</td>
<td>0.2</td>
<td>30,000</td>
<td>1</td>
<td>carbide</td>
</tr>
<tr>
<td>Fine fissure machining</td>
<td>500</td>
<td>0.5</td>
<td>0.15</td>
<td>30,000</td>
<td>0.5</td>
<td>carbide</td>
</tr>
</tbody>
</table>

Removal of the Milled Restorations from the Disc

We recommend using a turbine handpiece to remove milled restorations. If no turbine is available, fine cross-cut tungsten carbide cutters can also be used—rotary speed ≤ 20,000 rpm.
## Sintering cycle

**Standard Sintering temperature is 1450°C**

**Option for Speed Sintering: 1500°C**

<table>
<thead>
<tr>
<th>Drying before sintering</th>
<th>Sintering time</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 h. 10 min.</td>
<td>1500°C / 2732°F</td>
</tr>
<tr>
<td>Lava™ Plus Zirconia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-dried Speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 h. 55 min.</td>
<td>1450°C / 2642°F</td>
</tr>
<tr>
<td>Lava™ Plus Zirconia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-dried</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lava™ Plus High Translucency Zirconia

Sintering cycle

## Standard Sintering Cycle

<table>
<thead>
<tr>
<th>Cycle Stage</th>
<th>Temperature</th>
<th>Temperature</th>
<th>Heating Rate</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying</td>
<td>room tempera</td>
<td>room tempera</td>
<td></td>
<td>2 h.</td>
</tr>
<tr>
<td>Heating</td>
<td>room tempera</td>
<td>800°C</td>
<td>20°C/min.</td>
<td>39 min.</td>
</tr>
<tr>
<td>Heating</td>
<td>800°C</td>
<td>1450°C</td>
<td>10°C/min.</td>
<td>65 min.</td>
</tr>
<tr>
<td>Dwell time</td>
<td>1450°C</td>
<td>1450°C</td>
<td>–</td>
<td>120 min.</td>
</tr>
<tr>
<td>Cooling</td>
<td>1450°C</td>
<td>800°C</td>
<td>15°C/min.</td>
<td>43 min.</td>
</tr>
<tr>
<td>Cooling</td>
<td>800°C</td>
<td>250°C</td>
<td>20°C/min.</td>
<td>28 min.</td>
</tr>
</tbody>
</table>

## Speed Sintering Cycle

<table>
<thead>
<tr>
<th>Cycle Stage</th>
<th>Temperature</th>
<th>Temperature</th>
<th>Heating Rate</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying</td>
<td>room tempera</td>
<td>room tempera</td>
<td></td>
<td>2 h.</td>
</tr>
<tr>
<td>Heating</td>
<td>room tempera</td>
<td>900°C</td>
<td>40°C/min.</td>
<td>22 min.</td>
</tr>
<tr>
<td>Heating</td>
<td>900°C</td>
<td>1200°C</td>
<td>20°C/min.</td>
<td>15 min.</td>
</tr>
<tr>
<td>Heating</td>
<td>1200°C</td>
<td>1500°C</td>
<td>15°C/min.</td>
<td>20 min.</td>
</tr>
<tr>
<td>Dwell time</td>
<td>1500°C</td>
<td>1500°C</td>
<td>–</td>
<td>30 min.</td>
</tr>
<tr>
<td>Cooling</td>
<td>1500°C</td>
<td>1000°C</td>
<td>15°C/min.</td>
<td>33 min.</td>
</tr>
<tr>
<td>Cooling</td>
<td>1000°C</td>
<td>400°C</td>
<td>60°C/min.</td>
<td>10 min.</td>
</tr>
</tbody>
</table>

The sintering cycles in the tables at left have been developed for predictable color and translucency.

Dyed restorations need to be dried a minimum of two hours at room temperature prior to sintering. Shorter drying times or different sintering cycles can result in a different shade.
Predictable shading: An A2 is an A2

Shading occurs before the restoration is sintered. 3M’s patented color ion technology offers:

- Excellent and consistent match to the VITA Classical shade guide and conversion to VITA System 3D-Master® shades
- Warm, natural color to create highly esthetic monolithic or layered restorations
- Liquids that are completely absorbed into the microstructure of Lava™ Plus High Translucency Zirconia for a perfect match and no white spots
Lava™ Plus High Translucency Zirconia

Shading options

Monochrome Dip Shading
• The simple way to achieve a highly esthetic monochrome tooth color—used for monolithic, all-zirconia restorations and frameworks
• Fast and easy 2-minute process in which the shading liquid is evenly and completely absorbed throughout the zirconia (Follow the process outlined in the video.)

Customized Shading
• For achieving esthetics mimicking a natural tooth—used by artisans to produce natural gradient shading (Follow the process outlined in the video.)

Cleaning
To ensure a consistent coloring, the restoration must be clean, free of oils and dust and completely dry prior to dyeing.

Watch the videos

- Live Demo (long)— how to dip and custom shade monolithic Lava™ Plus Zirconia restorations (12:56)
- Watch the video: Finishing a Monolithic Restoration—Lava™ Plus High Translucency Zirconia (2:09)

Glazing
• The color effect of the dyeing liquids has been optimized for use with glaze firing.
Lava™ Plus High Translucency Zirconia

Shading tables

Lava™ Plus High Translucency Zirconia can be shaded as detailed in the table.

<table>
<thead>
<tr>
<th>VITA® Classic</th>
<th>VITA System 3D-Master®</th>
<th>Lava™ Plus Dyeing Liquid Enamel</th>
</tr>
</thead>
<tbody>
<tr>
<td>W1* 0M1</td>
<td></td>
<td>EB</td>
</tr>
<tr>
<td>W3* 0M3</td>
<td></td>
<td>EB</td>
</tr>
<tr>
<td>A1 1M2</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>A2 2M2</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>A3 2R2.5</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>A3.5 3R2.5</td>
<td></td>
<td>EM</td>
</tr>
<tr>
<td>A4 4M2</td>
<td></td>
<td>EM</td>
</tr>
<tr>
<td>B1 1M1</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>B2 2L1.5</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>B3 2M3</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>B4 3M3</td>
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<td>EM</td>
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<td>C1 2L1.5</td>
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<td>C2 3L1.5</td>
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<td>C3 4L1.5</td>
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<td>EL</td>
</tr>
<tr>
<td>C4 5M2</td>
<td></td>
<td>EM</td>
</tr>
<tr>
<td>D2 2L1.5</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>D3 3L1.5</td>
<td></td>
<td>EL</td>
</tr>
<tr>
<td>D4 3L2.5</td>
<td></td>
<td>EM</td>
</tr>
</tbody>
</table>

*3M shades are not part of the VITA Classical shade guide.

For detailed information, refer to the shading video and the step-by-step shading guide.

Live Demo (long)—how to dip and custom shade monolithic Lava™ Plus Zirconia restorations (12:56)

Download the 20-page Step-By-Step Shading Guide for Lava™ Plus High Translucency Zirconia (PDF 1.9 MB)
Lava™ Plus High Translucency Zirconia

Preparation for monolithic restorations

- Tooth preparations for monolithic restorations based on the dimensions indicated are sufficient.
- We recommend a matrix of the initial clinical situation to check the progress of the tooth preparation. Ideally, the preparation includes a circumferential continuous and clearly visible chamfer.
- Give the horizontal and vertical preparation an angle of at least 5°, but avoid bevelling. All occlusal and incisal edges should be rounded.

Special preparations

**Feathered Margin Preparation:** Steep feathered margin preparations may result in extremely thin tapered margins. In principle, this type of preparation is possible, but caution is advised.
Ideal preparation: shoulder or chamfer?

- A reduction of the tooth structure based on the dimensions indicated is sufficient.
- We recommend a preparation matrix of the initial clinical situation in order to check the progress of the tooth preparation. Ideally, the preparation includes a circumferential shoulder or chamfer with a horizontal angle of at least 5°.
- The vertical preparation angle should be at least 4°.
- The inside angle of the shoulder preparation must be given a rounded contour. All occlusal and incisal edges should also be rounded.
- The marginal edge of the preparation needs to be continuous and clearly visible. A bevel should be avoided.
Lava™ Plus High Translucency Zirconia

Clinical Handling

Adjustment and polishing of Lava™ Plus High Translucency Zirconia monolithic, all-zirconia crown

If endodontic access is necessary:
- A coarse new diamond bur should be used to create access to the pulp. During the opening process of the zirconia restoration, intense water cooling is crucial to avoid heating
- Please ensure adequate amounts of water always coat the rotating instrument

If the removal of a Lava™ Plus High Translucency Zirconia restoration is necessary:
- Use a new conventional rotating diamond tool and adequate water cooling to introduce a slit and lift the restoration with a common dental office chisel as an aid to pull off the restoration

Watch this video

Adjustment and polishing steps shown in the Seating a Monolithic Restoration—Lava™ Plus High Translucency Zirconia (2:45)
Lava™ Plus High Translucency Zirconia

Cementation

Here’s a simple way to assure dentists experience ultimate success seating crowns and bridges.

When seating crowns and bridges, confidence is everything.

Due to the high flexural strength of Lava™ Plus High Translucency Zirconia, no adhesive is needed, so you can choose RelyX™ Unicem 2 Automix Self-Adhesive Resin Cement. It’s recognized as a top product for self-adhesive cement by Dental Advisor.

And talk about easy … no tooth pre-treatment is required, and it’s so versatile that you can use it for a wide range of indications—from crowns to longspan, multi-unit bridges.* Now you don’t need to sacrifice confidence for simplicity. When you use RelyX Unicem 2 cement, you get both.

*For complete indication details and contraindications, refer to Instructions For Use.
Lava™ Plus High Translucency Zirconia

Cementation

Cementation of zirconia crowns ... made easy with RelyX™ Unicem 2 Automix Self-Adhesive Resin Cement

1. Prepare restoration
   Sandblast the restoration with aluminum oxide after try-in (Max 2 bar or 30 PSI, particle size ≤ 40µm).

2. Pretreat tooth
   Clean with alcohol and air dry with oil-free air.

3. Remove provisional restoration. Mechanically clean prepared tooth (e.g. with pumice paste).

4. Apply cement and seat
   Discard a small amount of cement onto the mix-pad to ensure a perfect mix.

5. Dispense cement directly into the crown.

6. Final cure
   Light cure for 20 seconds per surface or wait 6 minutes from start of mix for dark cure. Finish and polish as needed.

Tip: Make sure any residue (temporary cement, desensitizers, astringents, disinfectants, etc.) is completely removed. Do not use H₂O₂, EDTA or Na₂CO₃.

Tip: If sandblasting is done in laboratory before try-in, clean saliva contamination with NaOCl (ca. 5%) and rinse with water. Do not use phosphoric acid for cleaning.

For special indications, such as Maryland adhesive inlay/onlay bridges, an adhesive resin cement is recommended. Please refer to the RelyX™ Ultimate Adhesive Resin Cement Instructions for Use.

RelyX Ultimate cement IFU. See the appropriate Instructions for Use. (PDF 836 KB)
Resources

Videos

- Finishing a Monolithic Restoration—Lava™ Plus High Translucency Zirconia (2:09)
- Adjustment and polishing steps shown in the Seating a Monolithic Restoration—Lava™ Plus High Translucency Zirconia (2:45)
- How to dip and custom shade monolithic Lava™ Plus Zirconia restorations (12:56)