

Precision Solutions

Lava™ Plus

High Translucency Zirconia



My plus is clear:
True colors —
for true masterpieces



Unique esthetics



3M™ ESPE™ Lava™ Plus High Translucency Zirconia, closer to nature than ever before.

Lava™ Plus High Translucency Zirconia is a comprehensive new system, based on special chemistry and processing. Thanks to a unique shading system, you can create highly esthetic all-zirconia monolithic or layered restorations. Eighteen natural, warm and vivid tooth colors, 7 effect shades and a fluorescent effect shade are available for unlimited individualization.

Lava™ Plus High Translucency Zirconia — excellent monolithic esthetics.

The Lava™ Plus system offers significantly higher translucency than Lava™ Zirconia without compromising strength.

This feature clearly enhances the natural look and makes Lava Plus High Translucency Zirconia a top performer among monolithic zirconia solutions.



Lava™ Plus Highly Translucent Zirconia Monolithic Crown A2, compared to A2 VITA classical shade guide.

For highly translucent layered restorations.

In addition, the material also lets you use all options for esthetic layered restorations.



Lava™ Plus Highly Translucent 8-Unit Bridge veneered with VITA VM 9.

Features and Benefits:

- Any shade, any gradient
- Excellent color match to VITA® classical shade guide
- Lava Plus High Translucency Zirconia is the only zirconia system with a conversion to most common VITA SYSTEM 3D-MASTER® shades
- The unique technology used in the Lava™ Plus Dyeing Liquids preserves the translucency after shading
- Unlimited individualization with the Lava™ Plus Effect Shades

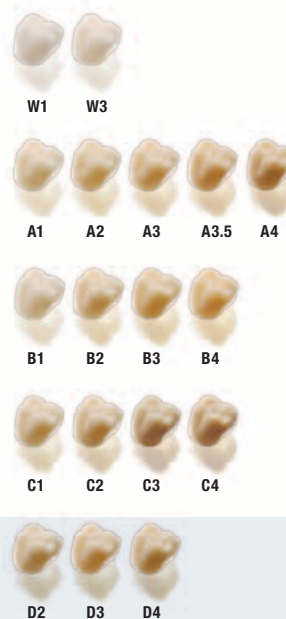
The widest range of Dyeing Liquids

Excellent match to VITA® classical shade guide.

Lava™ Plus High Translucency Zirconia is the only zirconia system on the market that matches the VITA classical shade guide A1 – D4 including the bleached shades.

Unique conversion to VITA® SYSTEM 3D-MASTER® Shade Guide.

Lava Plus High Translucency Zirconia is the only system on the market that features direct conversion to the most common VITA SYSTEM 3D-MASTER® Shades.



True colors — You get what you order

Lava™ Plus system helps you hit the mark.

With many shading systems, a lot of trial and error is required to successfully match colors.

The Lava Plus system, by contrast, gives you accurate and reliable results without any additional tools. The precise color match of the eighteen pre-mixed Dyeing Liquids ensures predictable and precise results.



Sliced pontic of monolithic zirconia 3-unit bridges, A4 shaded according to instructions for use of manufacturer. From Left to Right: Crystal™ HS, VITA In-Ceram® YZ, Lava™ Plus High Translucency Zirconia.

Natural, warm colors — Already convinced customers

“Convinced with the first crown. From now on, I’ll only use the Lava™ Plus system.”

RR-DENTAL Rainer Rominger, Lava™ Milling Center, Application Test, October 2011.



Unique shading technology — By the inventor of zirconia shading

Brilliant esthetics: three ions open up infinite colors.

The Lava™ Plus system is based on a unique 3M™ ESPE™ shading technology, meaning that its color is not on the surface, but comes from within. Gemstones give a vivid example of how this works: if you add 0.01% of titanium and iron ions to colorless corundium you get a deep blue sapphire.

Adding 1% chromium would lead to the deep red color of a ruby. Lava™ Plus Dyeing Liquids employ the same principle.

The color of Lava Plus High Translucency Zirconia is created by incorporating three different ions into the crystal structure: one for yellow, one for red and one for gray.

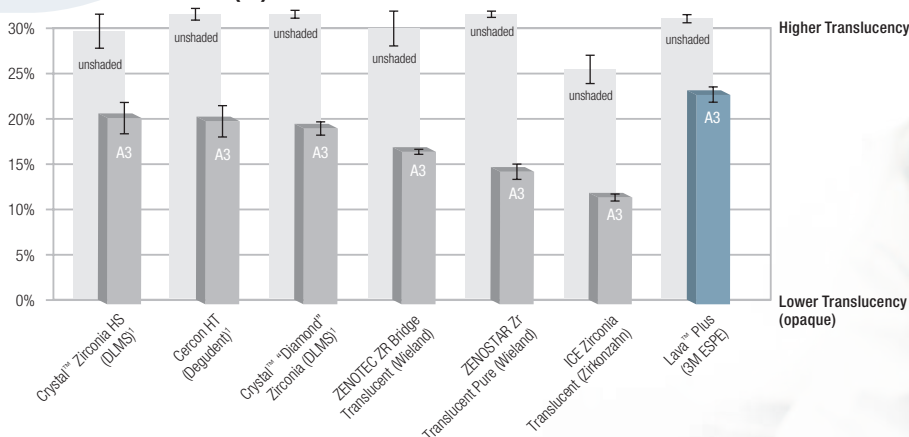
Each Lava Plus Dyeing Liquid is a fine-tuned mixture of these three ionic components. In that way, a pure white zirconia work piece is transformed into a beautiful restoration with a warm, natural tooth color.



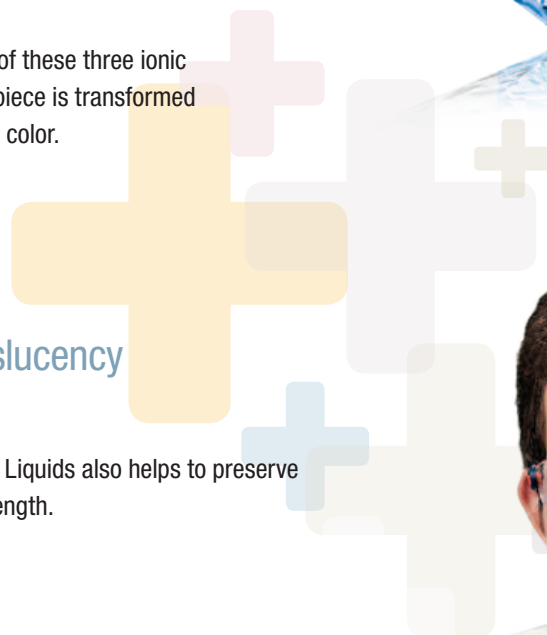
Lava Plus system — leading translucency for shaded zirconia.

The unique technology used in the Lava™ Plus Dyeing Liquids also helps to preserve translucency after shading without compromising strength.

**Zirconia Translucency comparison, shaded and unshaded:
1-Contrast Ratio (%)**



¹ Shaded with Zirkonzahn Prettau Color Liquid A3.



Your dentists will ask for it

Your dentist may now offer their patients a highly esthetic alternative to gold cast crowns when strength and wear to opposing dentition is a concern.

Metal-free and tooth-colored esthetic: Clinical case with pure monolithic, glazed-only Lava™ Plus Highly Translucent Zirconia Restorations.



Case 1 Initial situation: Insufficient full-cast metal crowns at teeth 26 and 27; insufficient composite filling at teeth 23, 24 and 25.



Final result: Monolithic Lava™ Plus Highly Translucency Zirconia Single Crowns at teeth 25, 26 and 27; teeth 23 and 24 restored with Filtek™ Supreme XTE.



Uncompromised Esthetic: Clinical case with veneered Lava™ Plus Highly Translucent Zirconia Restoration.



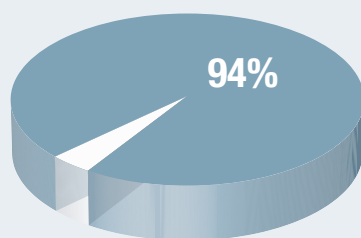
Case 2 Initial situation: Insufficient PFM crown at tooth 21.



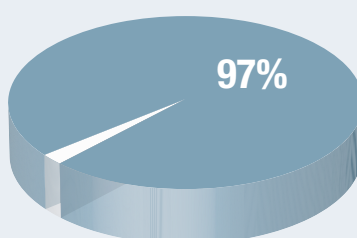
Final result: Tooth 21 restored with Lava™ Plus Highly Translucent Zirconia crown veneered with VITA VM 9.

Lava™ Plus System dentist customer feedback — unprecedented zirconia beauty.

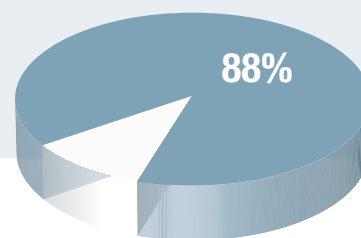
Better esthetic than Lava™ Zirconia



Perfect or almost perfect color match to VITA classical



Ideal Translucency



3M ESPE internal data: 30 dentist ratings on 5-point scale, Lava™ Plus Application Test, data's available on request.

**Lava™ Precision Solutions —
A success story from 3M ESPE**

More than 10 years of clinical experience and millions of successful cases worldwide enable to provide a 15 year limited warranty².

² 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. Only approved indications for Lava™ Zirconia are covered and the warranty does not cover any breakage resulting from accidents or misuse. Additional costs such as the cost of preparation and veneering are also not covered.



Easy shading procedure — Predictable and precise results

The unique Lava Plus Color Markers —
full control over custom shading.

Lava Plus Dyeing Liquids enable you to achieve any shade and any shade gradient, especially in the custom shading technique. For utmost precision and ease, Lava Plus Color Markers can be added to the Dyeing Liquid to visualize application on the pre-sintered restoration. Color Markers burn out by sintering and become invisible.

1



Coloring of the Dyeing Liquid with the red Lava Plus Color Marker.

2

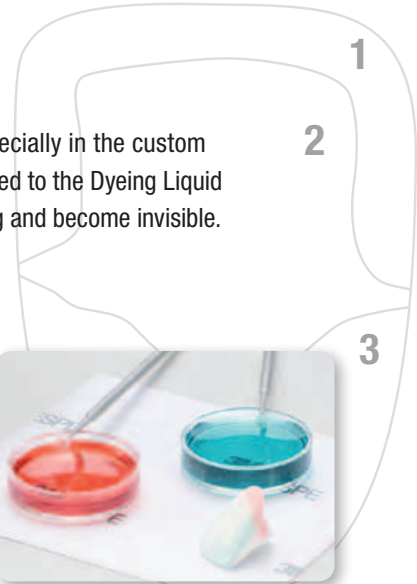


Perfect visual control of the colored Dyeing Liquid application.

3



Full precision with the unique Color Marker.



Lava Plus Effect Shades — tools to help bring individual artistry into every restoration.

CHROME
AND COBALT
FREE!



White Opaque



Yellow



Orange



Brown



Gray



Purple



Pink



Fluorescence



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DENTAL

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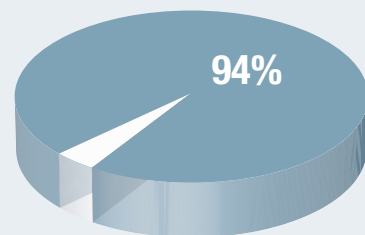
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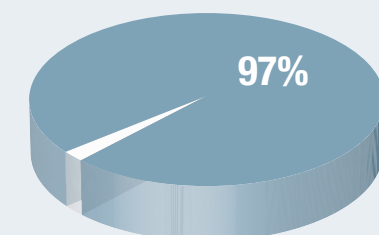
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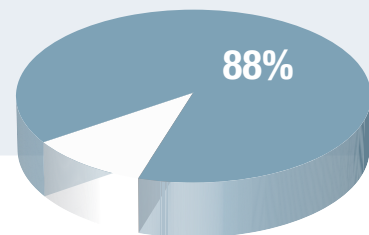
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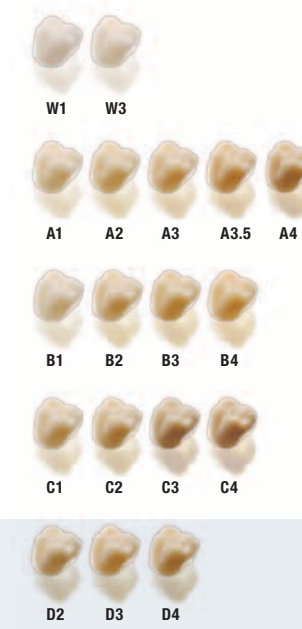
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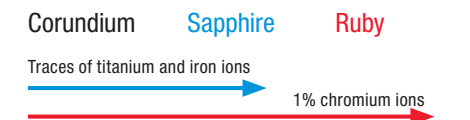
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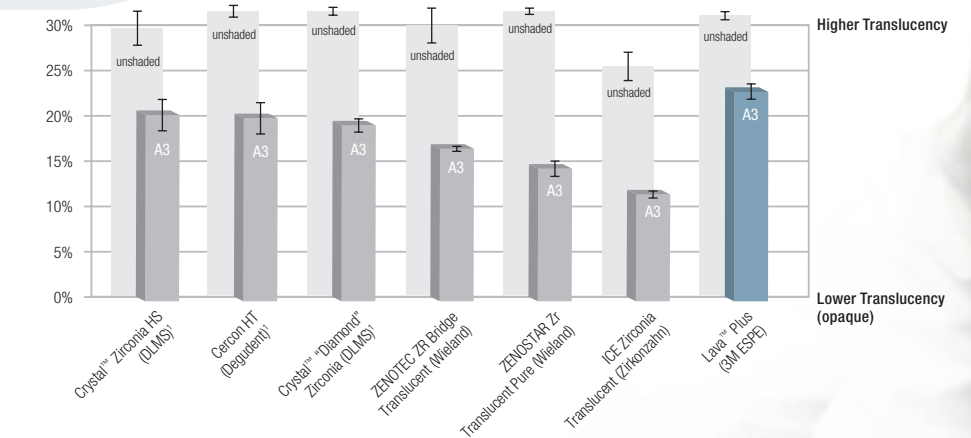
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