



Centralized
milling



3M™ Lava™ Esthetic Esthetic Fluorescent Full Contour Zirconia

Multi-layered ultra-high translucent zirconia manufactured by 3M™

First zirconia with built-in fluorescence for high-esthetic full-contour cases



ESTHETICS

The built-in shade gradient utilizes a unique patented shading technology designed to provide an excellent shade match to the VITA® Classic shades



FULL-CONTOUR EFFICIENCY

The high translucency is optimized for esthetic full-contour anterior and posterior restorations without layering

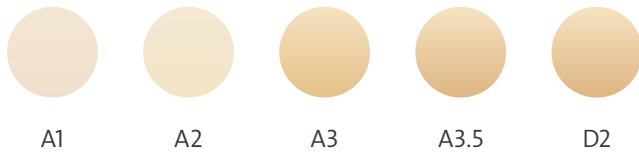


DURABLE

By combining the natural-looking esthetics of glass ceramics with high full-contour strength, Lava™ Esthetic zirconia gives you the best of both worlds

Available shades

► 3M™ Lava™ Esthetic restorations (through our CARES® centralized milling solution) are available in 5 gradient ultra-high translucent shades A1, A2, A3, A3.5, D2













Available indications









► For maximum 3-unit restorations

Recommended indication
Possible indication

TOOTH-BASED

 Inlay	 Onlay	 Veneer	 Partial crown	 Coping
 Full-contour crown	 Telescopic crown	 Bridge/bar framework	 Full-contour bridge	 Vestibular veneering

ABUTMENT-BASED (AVAILABLE WITHIN THE CARES® X-STREAM™ SOLUTION)

 Coping on Ti-Base	 Full-contour crown on Ti-Base	 Bridge/bar framework on Ti-Base	 Full-contour bridge on Ti-Base
 Coping on CAD/CAM abutment	 Full-contour crown on CAD/CAM abutment	 Bridge/bar framework on CAD/CAM abutments	 Full-contour bridge on CAD/CAM abutments

Workflow

STEPS	OPTIONS
Nesting	Position the restoration in the desired block shade transition
Finishing	Polishing Staining & glazing <i>Recommendation:</i> <i>Glazing is recommended for best shade match. Use low fusing glazes <900°C only</i> Layering
Cementing	Adhesive Self-adhesive Conventional <i>Recommendation:</i> <i>3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement</i>

Chemical composition

ELEMENTS	WEIGHT
ZrO ₂ + HfO ₂	≥ 89.0 %
Y ₂ O ₃	6.0 % to 11.0 %
Al ₂ O ₃	≤ 0.5 %
Other oxides	≤ 2.0 %

Physical properties

PROPERTIES	VALUE
Material	Zirconia ceramic
Density [g/cm ³]	≥ 6.05
Biaxial flexural strength according to ISO 6872 [MPa]	> 500
CTE (25-500°C) [10 ⁻⁶ K ⁻¹]	10.1 ± 0.5

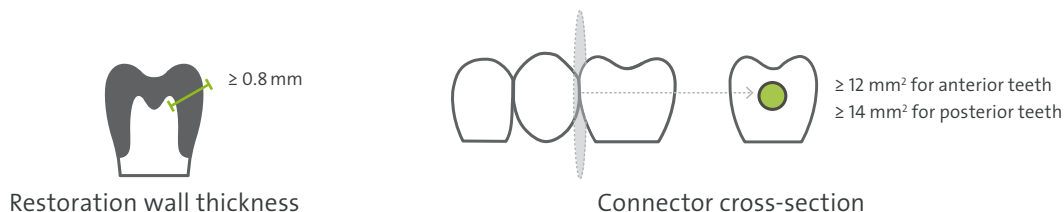
Preparation guidelines

- ▶ The preparation shall not have angles or sharp edges
- ▶ The shoulder preparation shall be with rounded inner edges and/or chamfer
- ▶ The preparation shall have retentive surfaces for conventional cementation

Wall thickness

- ▶ The cross-sections shall be adjusted in relation to the total size of the restoration
- ▶ The transition from a connector to a crown or coping shall be rounded

MINIMAL RESTORATION DESIGN



Sterilization

- ▶ For restorations bonded to abutments before being placed in the patient's mouth, the product must be sterilized before use. Sterilization according to the following parameters or per instructions for use of the abutment if different.

METHOD	CONDITIONS	DRYING TIME
Moist Heat (Autoclave) Pre-Vacuum Displacement	132°C / 134°C (270°F / 273°F) for 3 min	Local practice

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