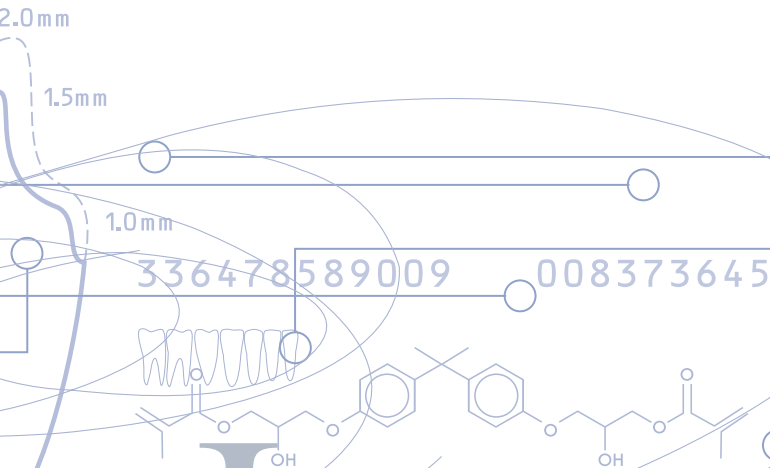
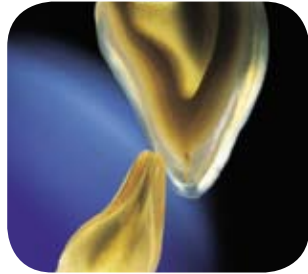


3M ESPE



Lava Ceram™

*Overlay Porcelain
for Lava™ Frameworks*

An excellent match for your high standards

Developed as a part of the Lava system, Lava™ Ceram Overlay Porcelain is the choice for restorations that are truly masterpieces. Use Lava™ Ceram to create your next work of art and achieve the natural-looking, long-lasting results patients demand. Lava™ Ceram makes it easy to recreate the esthetics of a real tooth with extraordinary new shades and amazing optical effects that ensure a beautiful restoration.

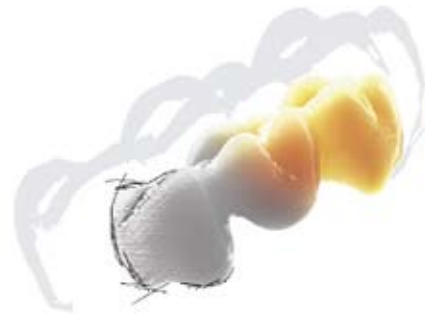
A truly inspiring system:

- Lava™ Ceram was designed for the Lava™ System and provides proven bond strength to Lava™ Copings.
- Unique colored copings let you start with the best possible canvas.
- 23 new effect porcelains give you an expanded palette capable of matching virtually any tooth.
- Available in kits designed to fit the way you work.

**“The product is the essence,
based on experience.”**

Jan Langner

Color Enhancements.



With our new shades, creating beautiful restorations is easier than ever.

More color shades. More translucence. More opalescence. Simply more of what you look for in an overlay porcelain. With Lava™ Ceram, it's easier to build restorations that match and blend with the surrounding natural teeth.

New effect porcelains include:

6 High-Fluorescent Dentin Porcelains (FLU-In)

Accentuate specific areas in dentin such as mamelons and secondary dentin. Apply in thin layers with framework modifier or dentin porcelain.

4 Opaque Dentin Porcelains (OD)

Support and intensify base color. Apply in thin layers or mix with framework modifier or dentin porcelain.

2 High-Translucent Opal Porcelains (ICE)

Enhance penetration in the incisal area. Use like enamel and transpa porcelains.

4 High-Opalescent Translucent Porcelains (Nature)

Create natural opal effect in the incisal area. These effect powders give the ceramics a subtle gleam that appears reddish-yellowish to bluish. Use like enamel and translucent porcelains.

3 Cervical Incisal Transparent Porcelains (CI)

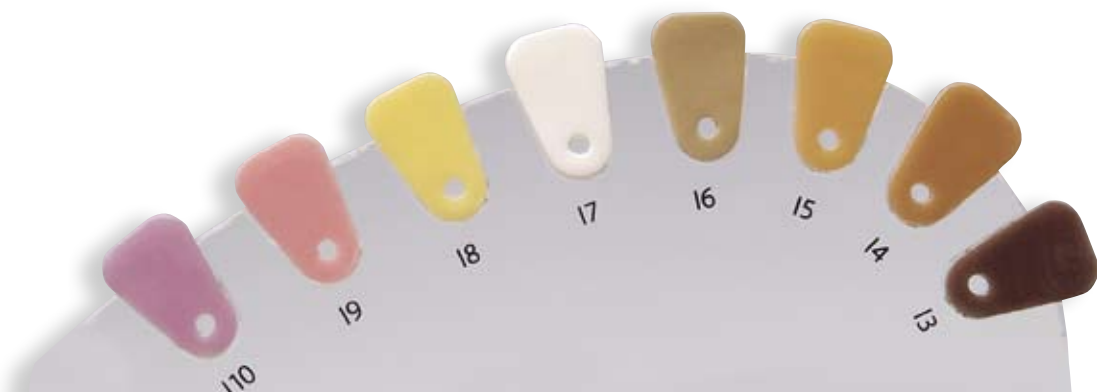
Increase the color, translucency and intensity, or chroma, in the cervical and incisal area. Use like translucent porcelains.

2 Gingiva Porcelains







































































Recreate the original gingiva areas. Incorporate into the first and/or second dentin baking. The colors can be mixed with Magic Intensive Porcelains found in the Lava Ceram Pop Art Set.

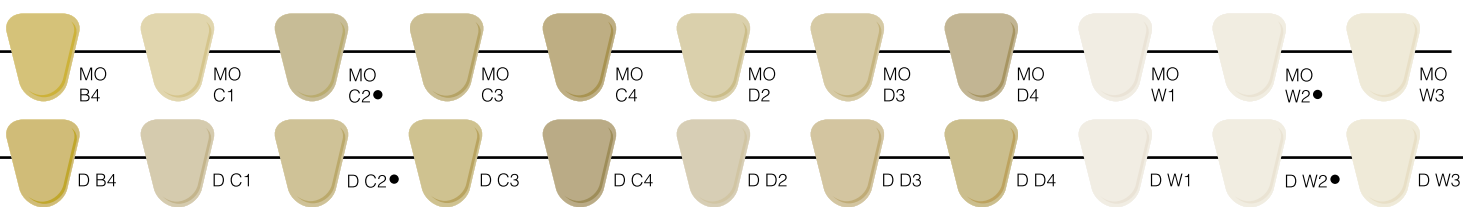
2 Correction Porcelains (CR)

Make minor adjustments with transparent or yellowish correction porcelain.



Lava™ Ceram Overlay Porcelain for Lava™ Frameworks

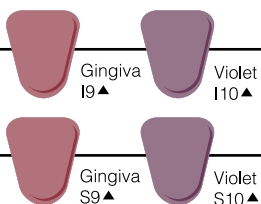
Shoulder Porcelains	 SH1●	 SH3	 SH5●					
Framework Modifiers	 MO A1●	 MO A2◆◆	 MO A3●	 MO A3.5●	 MO A4	 MO B1●	 MO B2●	 MO B3●
Dentin Porcelains <small>Dentin Shades</small>	 D A1●	 D A2◆◆	 D A3●	 D A3.5●	 D A4	 D B1●	 D B2●	 D B3●
Opaque Dentin Porcelains <small>Dentin Shades</small>	 Ivory OD1■	 Curry OD2■	 Amber OD3■	 Siena OD4■				
High-Fluorescent (flu-in) Dentin Porcelains <small>Dentin Shades</small>	 Cream FL1■	 Gold FL2■	 Corn FL3■	 Mango FL4■	 Nougat FL5■	 Olive FL6■		
Enamel Porcelains <small>Enamel Shades</small>	 E1●	 E2◆◆	 E3●	 E4●				
Enamel Effect Porcelains <small>Enamel Shades</small>	 Polar E5●	 Sun E6●						
Transparent Opal Porcelains <small>Transparent Specialty Shades</small>	 Neutral T1●	 Yellow T2●	 Blue T3●	 Gray T4●				
High-Translucent Opal Porcelains <small>Transparent Specialty Shades</small>	 Diamant ICE1■	 Flamingo ICE2■						
High-Opalescent Translucent Nature <small>Transparent Specialty Shades</small>	 Pearl N1■	 Frost N2■	 Crystal N3■	 Snow N4◆◆				
Cervical Incisal Transparent Porcelains <small>Transparent Specialty Shades</small>	 Lychee CI1■*	 Apricot CI2■	 Lemon CI3■					
Magic Intensive Porcelains <small>Specialty Shades and Stains for internal use</small>	 Ocean Blue I1▲	 Atlantis I2▲	 Maroon I3▲	 Havanna I4▲	 Orange I5▲	 Khaki I6▲	 Vanilla I7▲	 Honey I8▲
Stains <small>Specialty Shades and Stains for external use</small>	 Ocean Blue S1▲	 Atlantis S2▲	 Maroon S3▲	 Havanna S4▲	 Orange S5▲	 Khaki S6▲	 Vanilla S7▲	 Honey S8▲
Gingiva Porcelains <small>Dentin Shades</small>	 Light G1■	 Dark G2■						
Correction Porcelains <small>Correction, Clear Shades & Finishing Glaze</small>	 Neutral CR1◆◆	 Yellow CR2◆◆						
Clear Porcelain <small>Correction, Clear Shades & Finishing Glaze</small>	 CL◆◆							
Glaze <small>Correction, Clear Shades & Finishing Glaze</small>	 G▲							



COMBINATION TABLE

VITA-Classic-Colors																	BLEACH COLORS*		
	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	W1	W2	W3
Shoulder Porcelains	SH 1	SH 3		-	-	SH 1	-	SH 5		-	-	-	-	-	-	-	-	-	-
Frame Work Modifier	MO A1	MO A2	MO A3	MO A3,5	MO A4	MO B1	MO B2	MO B3	MO B4	MO C1	MO C2	MO C3	MO C4	MO D2	MO D3	MO D4	MO W1	MO W2	MO W3
Dentin Porcelains	D A1	D A2	D A3	D A3,5	A A4	D B1	D B2	D B3	D B4	D C1	D C2	D C3	D C4	D D2	D D3	D D4	D W1	D W2	D W3
Enamel Porcelains	E2	E2	E3	E3	E4	E1	E1	E3	E3	E4	E3	E3	E4	E4	E3	E3	E2	E2	E2

*3M ESPE



Please note: Due to color limitations and variations of the printing process, 3M ESPE cannot guarantee the accuracy of the colors shown. For color accuracy, please order Lava™ Ceram shade guides made with actual Lava™ Ceram porcelain materials.

Popular Set: Start with the most popular shades in a set that will give you what you need to begin creating amazingly natural-looking restorations.

Performer Set: Add all 21 of our new effect porcelains.

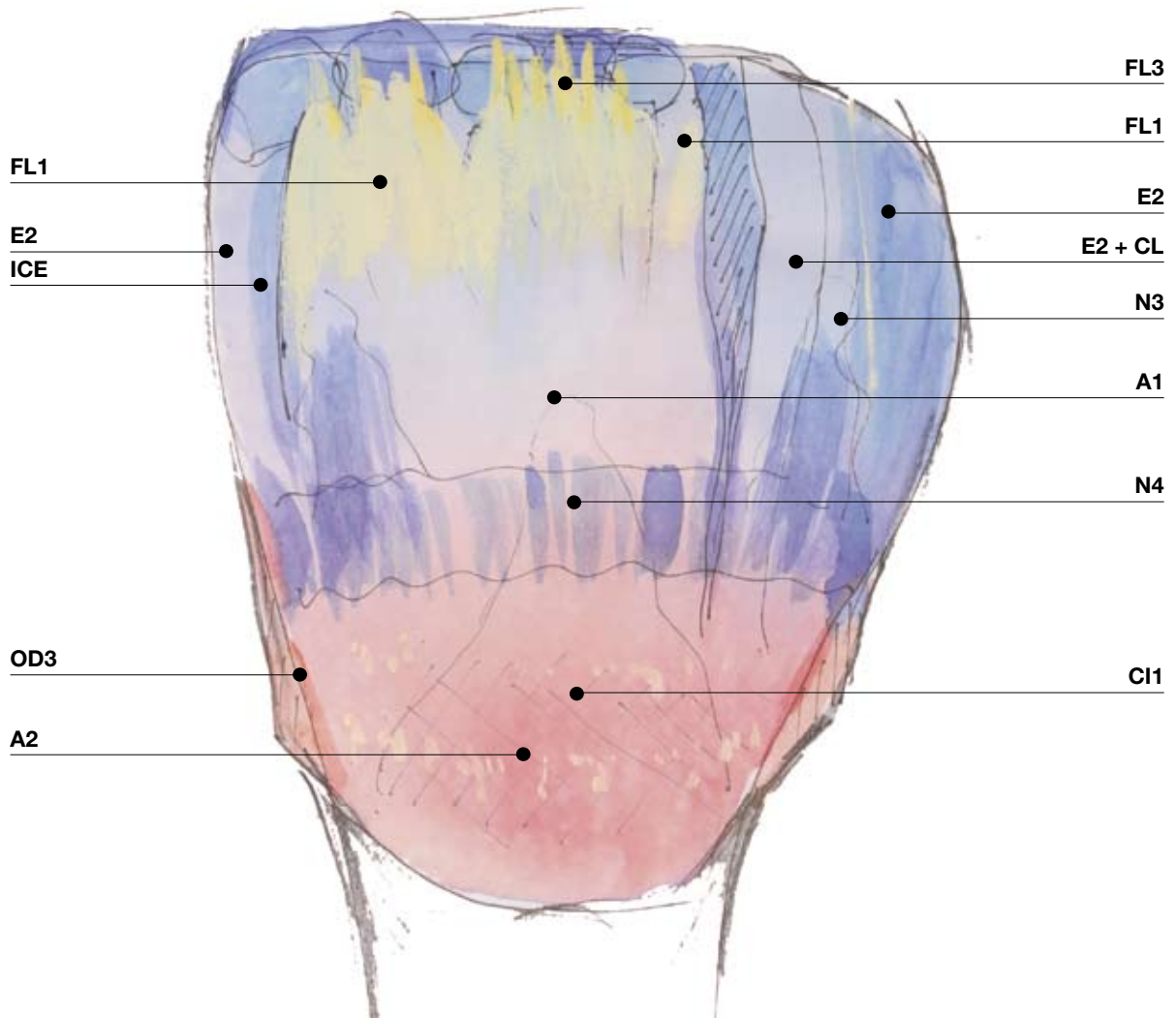
Pop Art Set: Create truly individual, beautiful and detailed restorations with high-end effects.

All shades shown are available à la carte in 15g and 50g bottles. The following key denotes the shades available in our kits:

● Popular Set ■ Performer Set ▲ Pop Art Set ◆ Trial Kit

Layering diagram

Natural teeth





Apply the fluorescent framework modifiers, such as MO A1 – A3, to enhance light dispersion through the zirconia crown.



Apply a thin layer of Opaque Dentin, such as A3, to the cervical area.



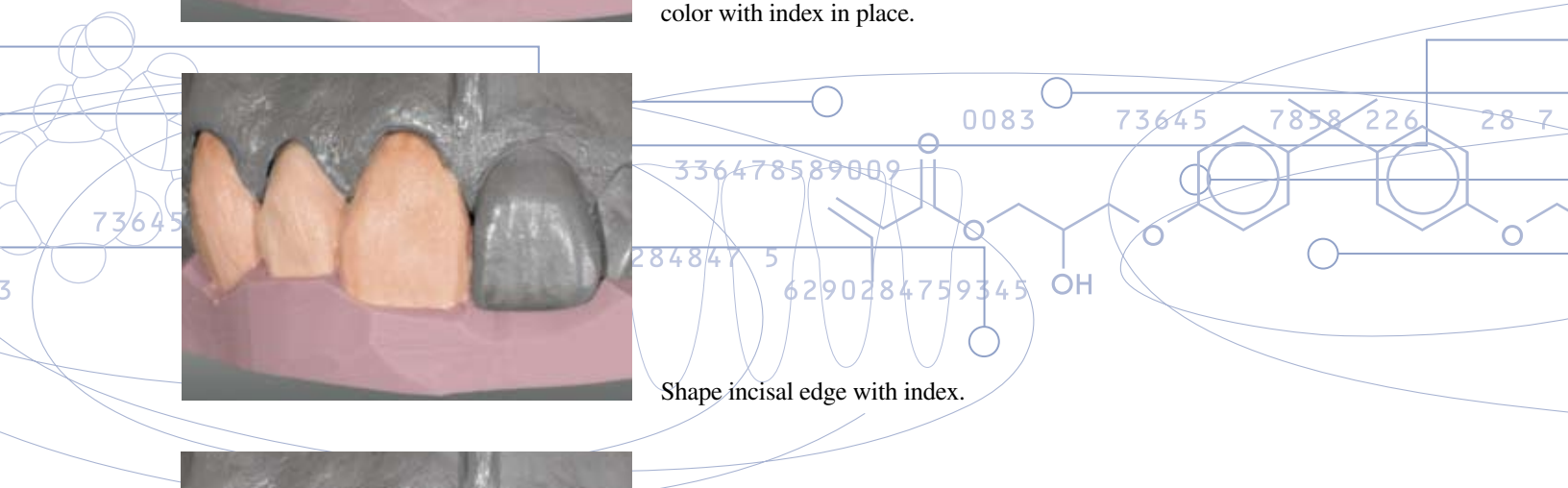
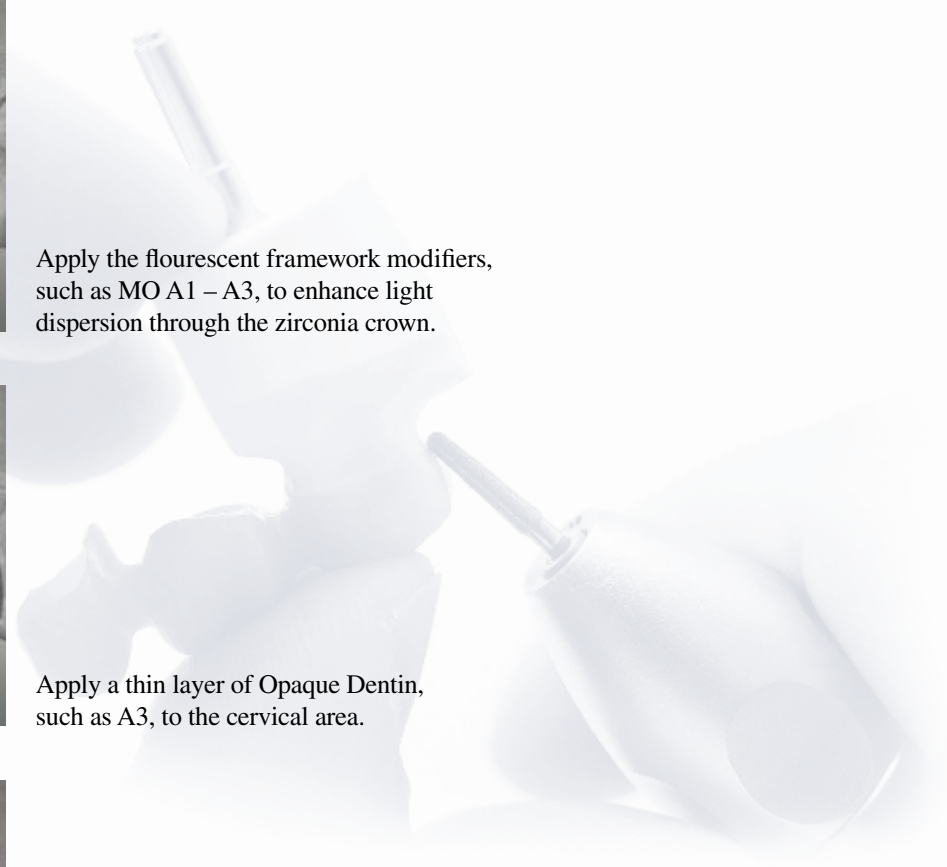
If a putty index is available, use the dentin color with index in place.



Shape incisal edge with index.



Optimized in dentin shades.

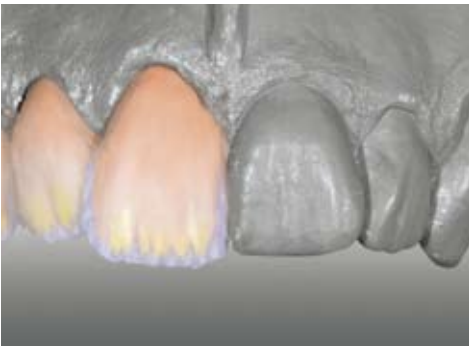




Facial cutback.



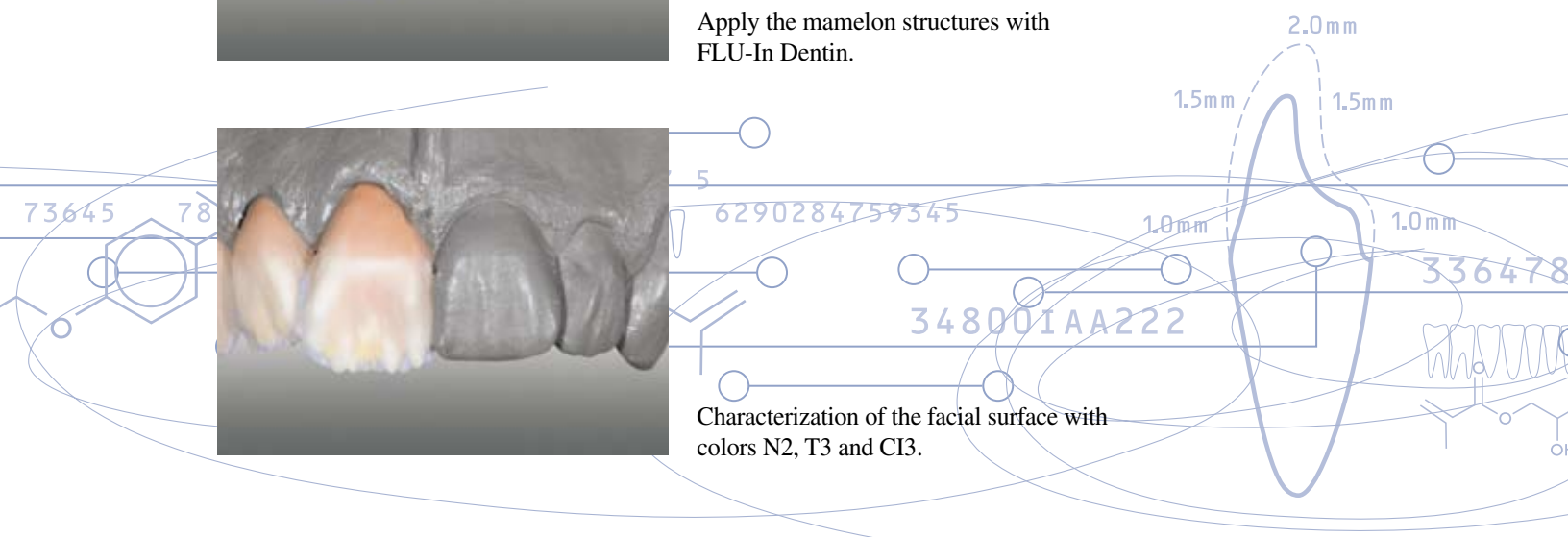
Lengthen the shape with enamel porcelain, approximately 1mm.



Apply the mamelon structures with FLU-In Dentin.



Characterization of the facial surface with colors N2, T3 and CI3.





Layer the lingual surface with OD3.



OD3 overlaid with enamel porcelains.



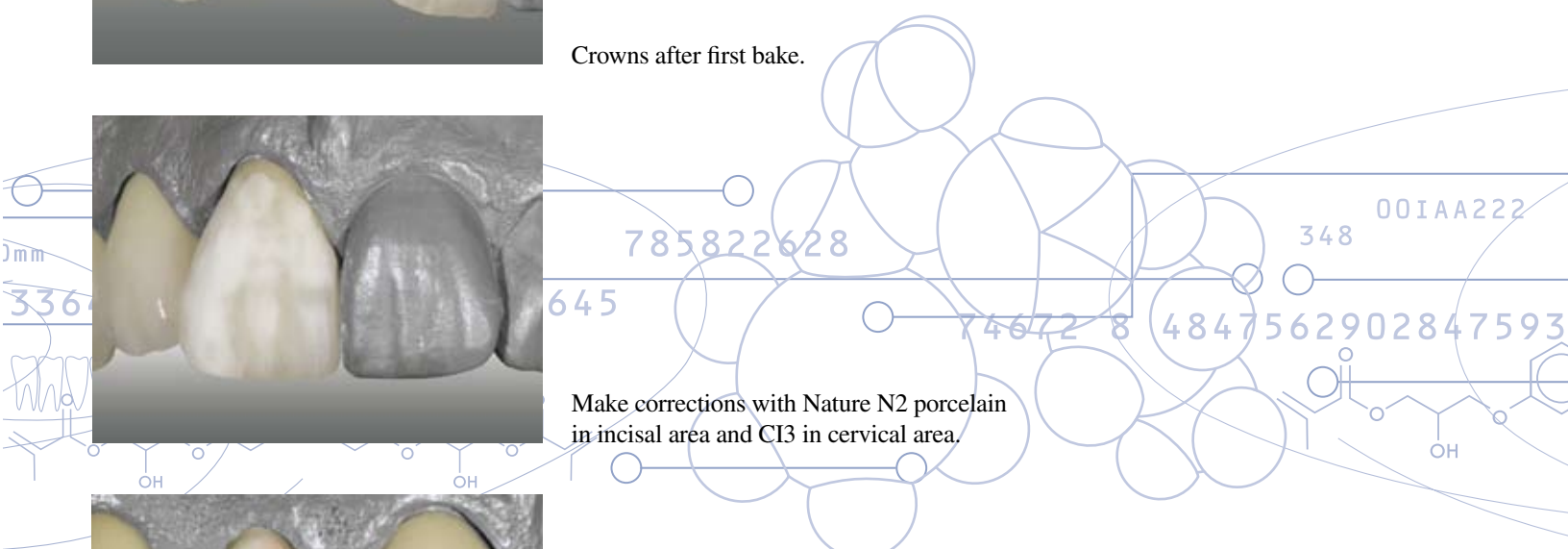
Crowns after first bake.



Make corrections with Nature N2 porcelain in incisal area and CI3 in cervical area.



Second bake made with CI3, N2 and OD2.





Second bake made with CI3, N2 and E2.



Appearance after second baking.



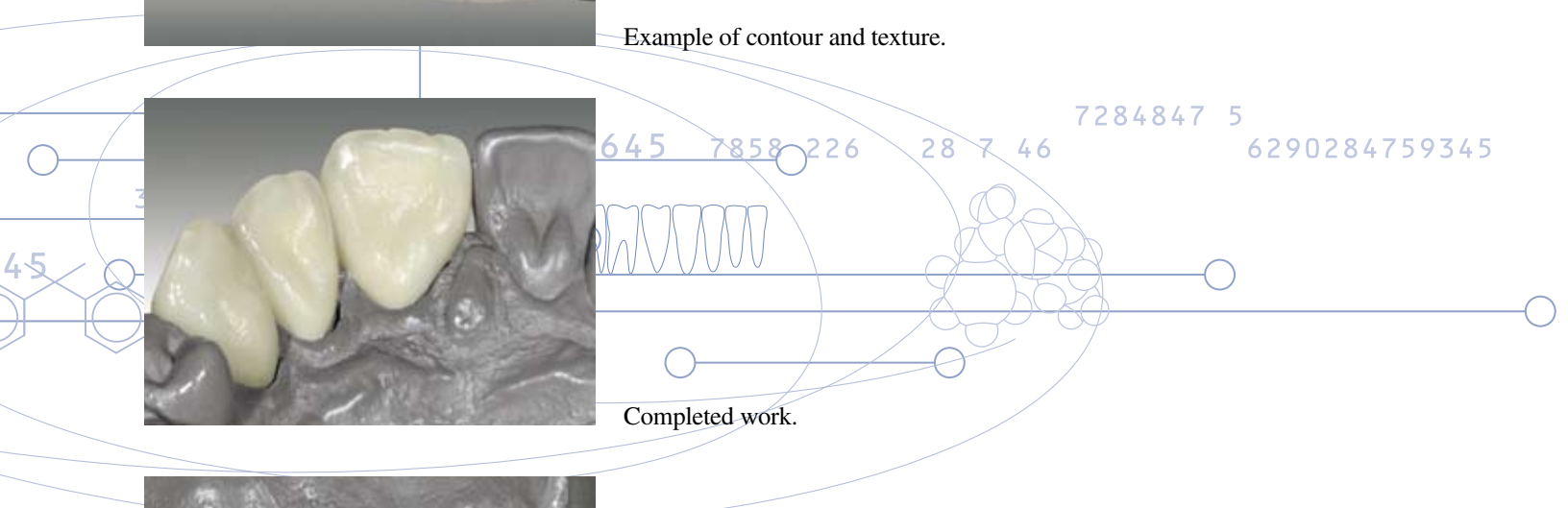
Example of contour and texture.

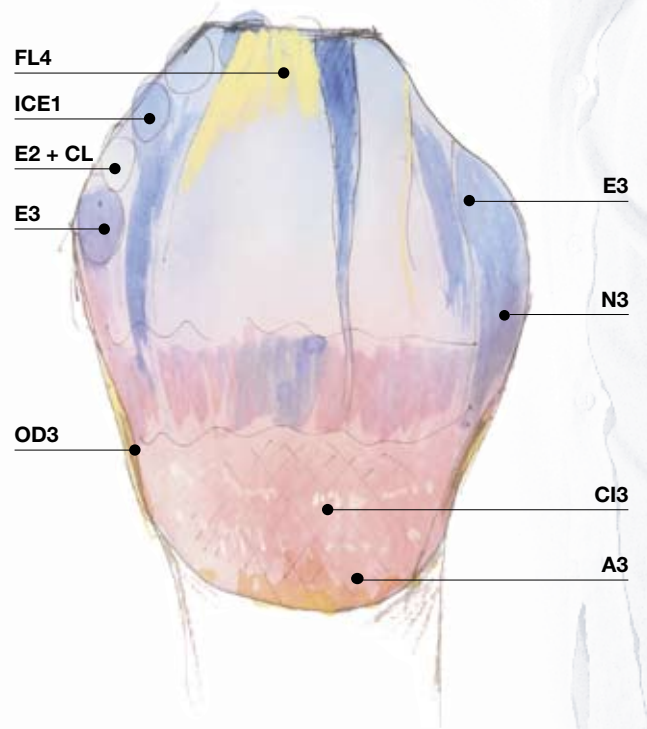
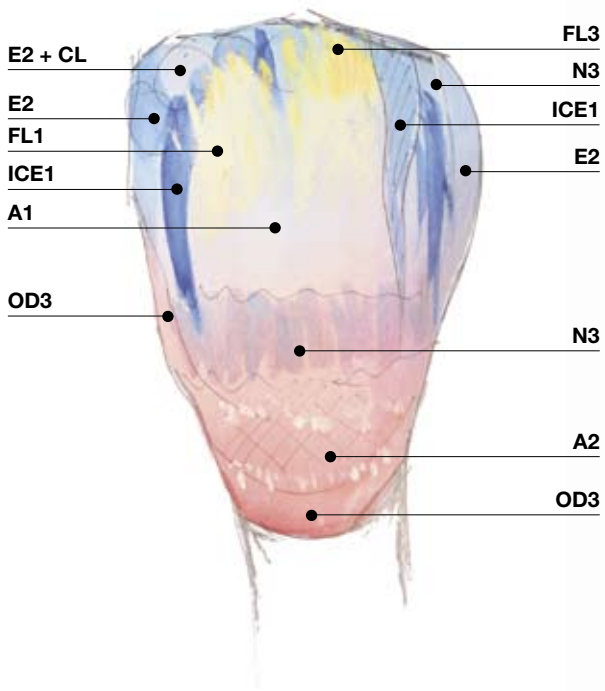
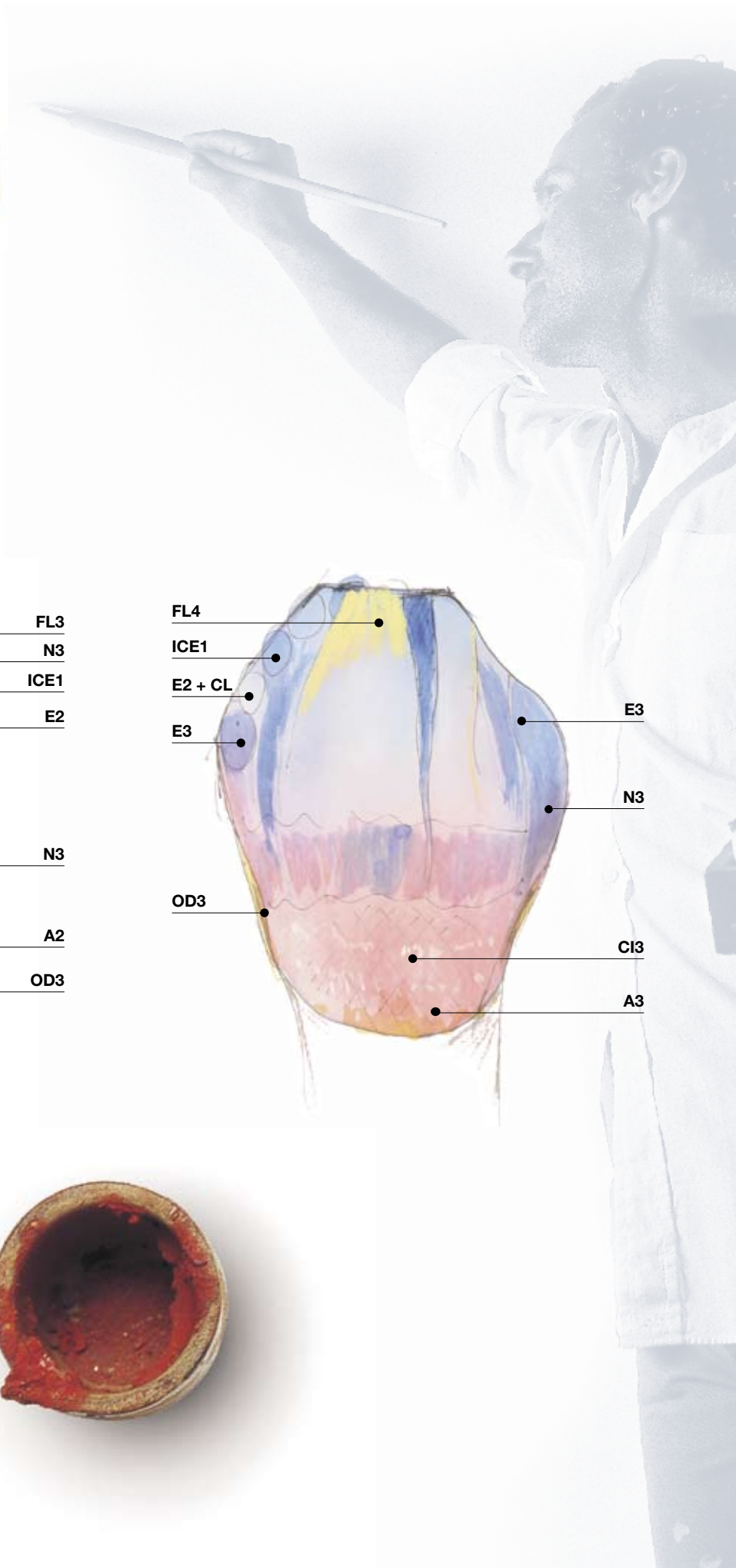


Completed work.



Completed work.





Firing instructions

	Start temp.	Drying time	T under vacuum	T without vacuum	Final temp.	Holding time under vacuum	Holding time without vacuum
First dentin/enamel or modifier firing	450°C 842°F	6 min	27.2°C/min 81°F/min	N/A	810°C 1490°F	1 min	N/A
Second dentin/enamel firing	450°C 842°F	6 min	27.2°C/min 81°F/min	N/A	800°C 1472°F	1 min	N/A
Glaze firing with glaze and/or stain	480°C 896°F	2 min	N/A	45°C/min 113°F/min	790°C 1454°F	N/A	1 min
Glaze firing without glaze and/or stain	480°C 896°F	2 min	N/A	45°C/min 113°F/min	820°C 1508°F	N/A	N/A
Correction bake	450°C 842°F	2 min	45°C/min 113°F/min	N/A	700°C 1292°F	1 min	N/A
First shoulder porcelain firing	450°C 842°F	4 min	45°C/min 113°F/min	N/A	840°C 1544°F	1 min	N/A
Second shoulder porcelain firing	450°C 842°F	4 min	45°C/min 113°F/min	N/A	830°C 1526°F	1 min	N/A

Note: Temperature and baking times are approximate. To test your oven, please perform a trial bake using the clearest ceramic material. Refer to the next page for more information.



Note:

The data on firing procedures and temperatures represent approximate values. Deviations depend greatly on the type and power of the oven, the location of the temperature sensor, the firing tray and the size of the workpiece.

We recommend that you calibrate your oven as follows before using it with Lava™ Ceram:

- Program the oven for dentin baking
- Mix Lava™ Ceram Clear and model it in the approximate shape of the color chip on the shade guide (Important: Respect the shape and thickness)
- Bake the test chip in accordance with the “First dentin and enamel baking” instructions
- After it has cooled off, compare the test chip’s translucency and color to the color chip on the shade guide



If the baked test chip matches the color chip on the shade guide (middle), then you can continue working without making any adjustments (left: overbaked; right: underbaked).

If you notice any deviations, then the baking program must be adapted. If the ceramic becomes too porous, opaque or rough, increase the baking temperature and/or decrease the preheat and vacuum start temperature, or check the vacuum pump and the oven for airtightness. If the ceramic is too pale and glassy, decrease the preheat temperature or the baking temperature.

Ordering Information

Item No. Product Information



68719 Lava™ Ceram Popular Set

Start with 15g bottles of the most popular shades in a set that will give you what you need to begin creating amazingly natural-looking restorations. Other shades that are not included in the popular set can be purchased separately.

10 Dentin Porcelains (A1, A2, A3, A3.5, B1, B2, B3, C2, D2, W2); 10 Framework Modifiers (same as Dentin shades); 4 Enamel Porcelains (E1, E2, E3, E4); 4 Transparent Opal Porcelains, 2 Enamel Effects Porcelains, 3 Shoulder Ceramics, 2 Correction Porcelains, Transparent-clear and Glaze, Modeling Liquid and Shoulder Ceramic Liquid; 4 Shade Guides (framework modifier shade guide, dentin shade guide, enamel shade guide and shoulder/magic intensive shade guide)



68720 Lava™ Ceram Performer Set

The Performer Set contains all 23 of our new effect porcelains in 15g bottles.

6 High-Fluorescent Dentin Porcelains (FLU-In)
4 Opaque Dentin Porcelains (OD)
2 High-Translucent Opal Porcelains (ICE)
4 High-Opalescent Translucent Porcelains (Nature)
3 Cervical Incisal Translucent Porcelains (CI)
2 Gingiva Porcelains
2 Correction Porcelains (CR)
Modeling Liquid, 40ml
Lava Ceram Performer Shade Guide



68721 Lava™ Ceram Pop Art Set

The Pop Art Set is designed for high-end esthetic effects used to create truly individual, beautiful and detailed restorations.

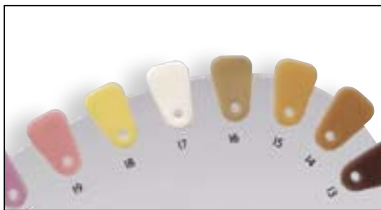
10 Magic Intensive Shades, 5g
10 Stains, 5g
Glaze, 15g
Modeling Liquid, 40ml
Stain/Glaze Liquid, 40ml



68734 Lava™ Ceram Trial Kit

The trial kit is designed to give you a taste of what you can achieve with Lava™ Ceram.

Framework Modifier MO A2, 15g
Dentin Porcelain, D A2, 15g
Enamel Porcelain, E2, 15g
Clear, 15g
Cervical Incisal Transparent Porcelain in Lychee (CI1), 15g
High-Opalescent Transparent Nature in Snow (N4), 15g
Modeling Liquid, 40ml



Lava™ Ceram Shade Guides

Additional Lava™ Ceram Shade Guides are available for purchase.

- 68722 Framework Modifier Shade Guide
- 68723 Enamel/Transparent Shade Guide
- 68724 Shoulder/Magic Intensive Shade Guide
- 68726 Dentin Shade Guide
- 68725 Performer Set Shade Guide

United States Customers: To place an order, call 3M ESPE at 1-800-216-9502

Canadian Customers: To place an order, call 3M ESPE at 1-800-265-1840 ext. 6229

For more information, call your Authorized Lava™ Milling Center or visit us on-line at 3MESPE.com/lava

3M ESPE Customer Care Center at 1-800-216-9502
Visit 3MESPE.com/lava for more information

3M ESPE

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Minimum 10%
Post-Consumer Fiber

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