

M^{CERABIEN} Milai

Simple, Smart, and Outstanding Esthetics





ULTRATHIN LAYERING. ENGINEERED FOR TOMORROW.

1

Low-fusing porcelains, internal stains, pastes for zirconia or lithium disilicate glass* dental restorations

*The material should have CTE value within $9.5-11.0 \cdot 10^{-6} \text{ K}^{-1}$ (50-500 °C /122-932 °F)

2

USER-FRIENDLY

CERABIEN™ MiLai Build Paste provides a streamlined build process. And Paint Paste “one-shot glaze” allows unpainted areas to be identified at a glance.



Texture of Build Paste



Before baking

After baking

Example of Build Paste layering



Blue coloration when built up



Transparent after firing

3 OUTSTANDING ESTHETICS

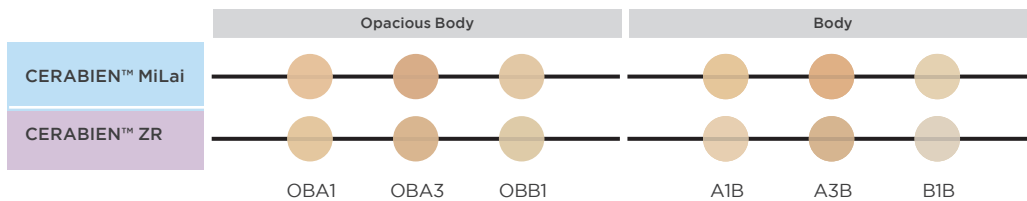
36 Porcelains, 15 Internal Stains, 6 Build Pastes and 31 Paint Pastes comprise a comprehensive system for esthetic restorations.

Micro-layering-optimized opacity and tissue shades support accurate gingival reproduction and natural outcomes.

The firing temperature of "CERABIEN™ MiLai" tissue porcelain shades is 20°C lower than that of the crown shades.

Product	Shade	Temp.	
CERABIEN™ MiLai	LT1	740 °C	
	Tissue 5	720 °C	
Product	Shade	Temp.	
CERABIEN™ ZR	LT1	930 °C	
	Tissue 5	930 °C	

Comparison of saturation (thickness=1.2mm)



CERABIEN™ MiLai Color Chart



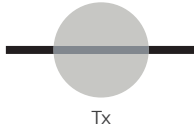
Color Combination Table

Porcelain

High Temperature:
740-770 °C / 1364-1418 °F (Excluding Tissue)

Translucent

10g / 50g



Tx

Enamel

10g / 50g



E1

E2

Silky E2

Luster

10g / 50g



LTx

LTO

LT1

ELT1

ELT2

LT

LT
Super Gray

LT
Royal Blue

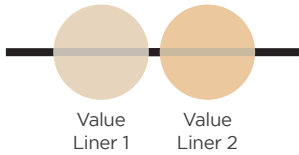
Aqua
Blue 2

LT
Coral

Creamy
Enamel

Value Liner

10g / 50g

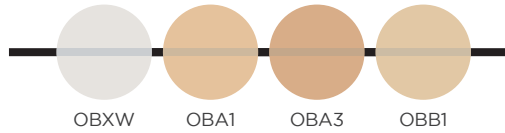


Value
Liner 1

Value
Liner 2

Opacious Body

10g / 50g



OBXW

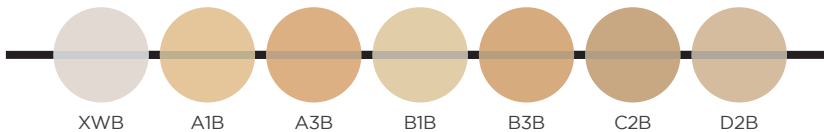
OBA1

OBA3

OBB1

Body

10g / 50g



XWB

A1B

A3B

B1B

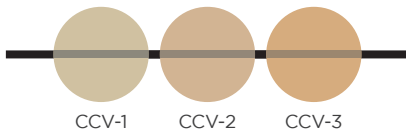
B3B

C2B

D2B

Clear Cervical

10g / 50g



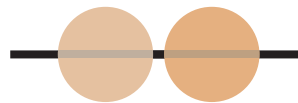
CCV-1

CCV-2

CCV-3

Mamelon

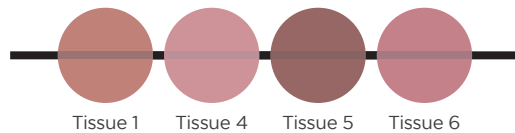
10g / 50g



Tissue

10g / 50g

High Temperature:
720-750 °C / 1328-1382 °F



Tissue 1

Tissue 4

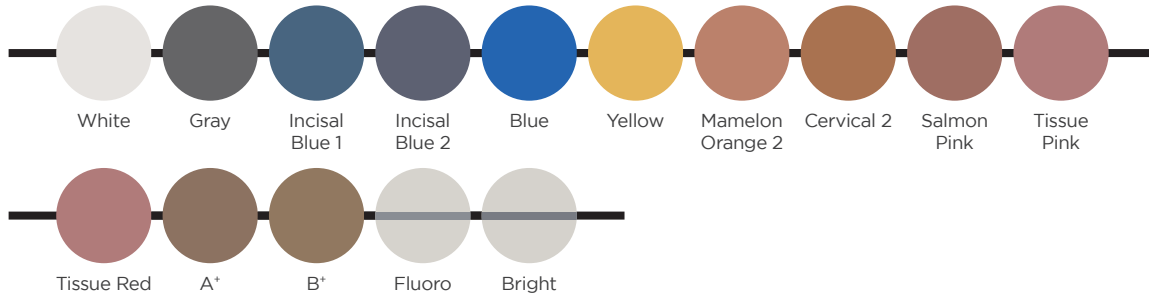
Tissue 5

Tissue 6

Internal Stain

3g

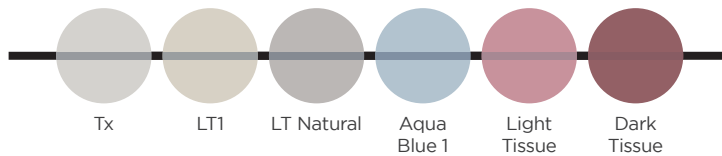
High Temperature:
700 °C / 1292 °F



Build Paste

5g

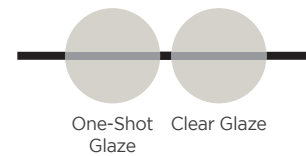
High Temperature:
740-770 °C / 1364-1418 °F



Paint Paste

5g

High Temperature:
720-750 °C / 1328-1382 °F



Paint Paste

3g

High Temperature:
720-750 °C / 1328-1382 °F



Specified Liquids

Please use the liquid corresponding to each lineup.

Lineups	Liquids
Porcelains*	LF Liquid or distilled water
Internal Stains	IS Liquid
Build Pastes, Paint Pastes	CERABIEN™ MiLai PASTE LIQUID (For viscosity adjustment)

*Liner, Opacious Body, Body, Enamel, Translucent, Luster, Clear Cervical, Mamelon, Tissue

Baking Schedule

	Dry-Out Time	Predrying Temperature	Start Vacuum	Heat Rate	Vacuum Level	Release Vacuum	High Temperature	Hold Time in the air	Cool Time
	min.	(°C/°F)	(°C/°F)	(°C/°F)	kPa ^{*1}	(°C/°F)	(°C/°F)	min.	min.
Wash Bake	5	500/932	600/1112	45/81	96	740/1364	740/1364	1	4
Internal Stain	5	500/932	-	45/81	0	-	700/1292	-	4
Liner/Opacious Body/ Body/ Enamel/ Translucent/Luster/ Clear Cervical/Mamelon ^{*2}	7-10	500/932	600/1112	45/81	96	740-770/ 1364-1418	740-770/ 1364-1418	1	4
Minor Adjustment ^{*2, *3}	7-10	500/932	600/1112	45/81	96	730-760/ 1346-1400	730-760/ 1346-1400	0.5	4
Tissue ^{*2}	7-10	500/932	600/1112	45/81	96	720-750/ 1328-1382	720-750/ 1328-1382	1	4
Self Glaze ^{*2}	5	500/932	-	45/81	0	-	710-740/ 1310-1364	-	4
Build Paste	10	500/932	600/1112	45/81	96	740-770/ 1364-1418	740-770/ 1364-1418	1	4
Paint Paste	5	500/932	600/1112	45/81	96	720-750/ 1328-1382	720-750/ 1328-1382	1	4

*1 96 kPa = 72 cmHg

*2 The lower limit of the above temperatures should be used as the standard when sintering a single crown.

For firing multiple teeth or large frames, adjust the firing conditions based on the upper limit of the above temperatures.

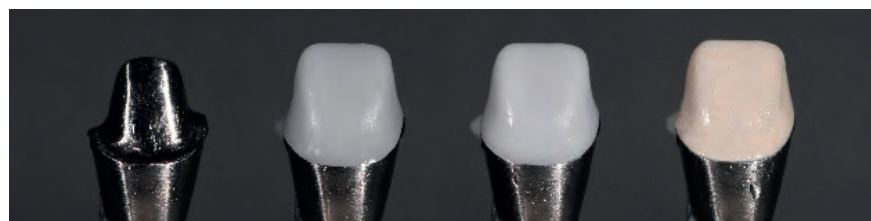
*3 Firing temperatures for additional buildup of Liner, Opacious Body, Body, Enamel, Translucent, Luster, Clear Cervical, and Mamelon.

CERABIEN™ ZR Opaque Shades

CERABIEN™ ZR OPAQUE SHADES support lifelike restorations with increased control. High opacity enables effective masking of underlying structures with a thin application of the selected shade. Final color can be precisely adjusted through powder mixing. These opaque shades simplify zirconia color modification, particularly when building tissue porcelain on a framework or masking metal and discolored abutments.



Comparison of Masking Properties



Metal abutment

KATANA™ Zirconia HT
+ Metal abutment

KATANA™ Zirconia LT*
+ Metal abutment

KATANA™ Zirconia HT
CERABIEN™ ZR Opaque Light
+ Metal abutment

CERABIEN™ ZR Opaque Shades provide high masking capability with a thin application, making them suitable for masking metal abutments and severely discolored teeth.

*KATANA™ Zirconia LT availability may vary by country.

KITS

PORCELAIN



MICRO-LAYERING KIT



ADVANCED LAYERING KIT



POWDER STARTER KIT

INTERNAL STAIN



INTERNAL STAIN KIT

BUILD/PAINT PASTE



BUILD/PAINT PASTE ADVANCED KIT

PAINT PASTE



PAINT PASTE STANDARD KIT



PAINT PASTE STARTER KIT

A SOLID FOUNDATION KATANA™ ZIRCONIA SERIES



	YML	UTML	STML	HTML PLUS	HT
Optimization:	All-in-One	Translucent	Balanced	Strength	Monochromatic
Translucency:	45-49 %	51 %	49 %	45 %	43 %
Strength:	750-1100 MPa	557 MPa	748 MPa	1150 MPa	1125MPa

ISO 6872: 2015 (Three-point bending test)
Distance: 30mm / Sample size: 40mm x 4mm x 3mm



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