kuraray



# OUTSTANDING AESTHETICS AT THE FIRST GO

CERABIEN™ MiLai is a set of porcelains and internal stains specifically designed for the micro-layering technique. The name "MiLai" is derived from the term "micro-layering" and the Japanese word "mirai" (which means future). The innovative product based on synthetic feldspar enables dental technicians to add the final touch to their zirconia or lithium disilicate restorations in a simple and time-saving procedure — for outstanding aesthetics right from the start.





#### FEATURES & BENEFITS

- COMPACT LINE-UP DESIGNED FOR MICRO-LAYERING
  for a minimized inventory, streamlined decision-making and a simple,
  efficient and economic finishing procedure
- 2 LOW FIRING TEMPERATURE (740°C / 1,364°F)

  for compatibility with a broad range of restorative materials including zirconia and lithium disilicate\* and a simplified inventory management
- UNIQUE PORCELAIN PROPERTIES

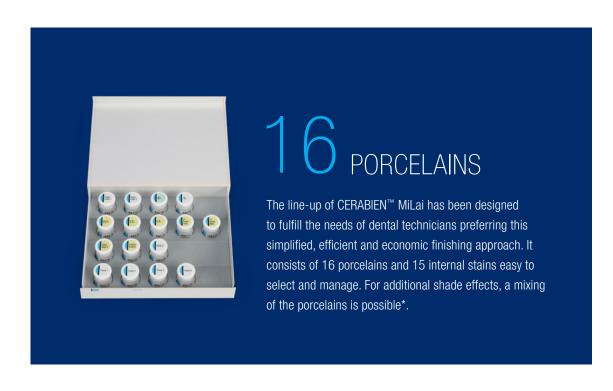
  based on synthetic feldspar porcelain for consistent handling and excellent mechanical properties; multiple firing is possible

\*The material should have CTE value within 9.5~11.0×10-6/K (50~500 °C)

# SIMPLIFYING PROCEDURES

#### COMPACT LINE-UP DESIGNED FOR MICRO-LAYERING

Modern zirconia or lithium disilicate-based restorative materials have a high aesthetic potential, so that a comprehensive reduction and adding of multiple layers of porcelain is usually no longer required. Instead, a monolithic design or small up to 0.5 mm (vestibular) cut-back is performed, and the dental technician may add a thin layer of porcelain to obtain the effects typical for natural enamel. This procedure is referred to as MICRO-LAYERING — a simplified layering approach leading to beautiful outcomes.



<sup>\*</sup>Mixing with other CERABIEN™ MiLai porcelain shades is possible. Do not mix with any porcelains from other porcelain series or porcelains from other manufacturers.





# PLENTY OF CHOICES

# 740°C LOW FIRING TEMPERATURE

The firing temperature of CERABIEN™ MiLai porcelains and internal stains is lower than that of CERABIEN™ ZR porcelains (740 °C / 1,364 °F versus 930 °C / 1,706 °F). This feature makes CERABIEN™ MiLai the go-to solution for the finishing of oxide ceramic (e.g. zirconia) and silicate ceramic\* (e.g. lithium disilicate) restorations. With fewer lines of porcelain needed, the porcelain inventory is reduced further and fewer decisions need to be taken.

If desired, CERABIEN™ MiLai porcelains and internal stains may even be applied on top of CERABIEN™ ZR, as the lower firing temperature does prevent any deformations in the existing porcelain work.



#### BAKING SCHEDULE

	DRY-OUT TIME	PREDRYING TEMPERATURE		START VACUUM		HEAT RATE		VACUUM LEVEL	RELEASE VACUUM		HIGH TEMPERATURE		HOLD TIME IN THE AIR	
	min.	°C	°F	°C	°F	°C/min.	°F/min.	kPa	°C	°F	°C	°F	min.	min.
Wash Bake	5	500	932	600	1,112	45	81	96	740	1,364	740	1,364	1	4
Internal Stain	5	500	932			45	81	0		-	700	1,292	-	4
Liner/Enamel/ Translucent/ Luster/Clear Cervical	7	500	932	600	1,112	45	81	96	740	1,364	740	1,364	1	4
Minor Adjustment	5	500	932	600	1,112	45	81	96	730	1,346	730	1,346	0.5	4
Tissue	5	500	932	600	1,112	45	81	96	720	1,328	720	1,328	1	4
Self Glaze	5	500	932			45	81	0	-	-	710	1,310	-	4
CERABIEN™ ZR FC Paste Stain	5	500	932	600	1,112	45	81	96	730	1,346	730	1,346	1	4

The above program is only a guideline. Baking temperature may be varied with the peculiarities of different furnace. Porcelain furnace temperature variations may be significant in the lower ranges. Determine the exact baking schedule by making a preliminary test before baking an actual case restoration.

## COLOURS

CERABIEN™ MiLai line-up and colour combination table

#### **ENAMEL SURFACE**

# Tx Add high translucency to the enamel surface ELT<sub>1</sub> Add brightness to your bleached restorations LTx Add high translucency and opalescence to the enamel surface LT<sub>1</sub> Add standard translucency and opalescence to the enamel surface Creamy Enamel Add brightness to the enamel surface

#### **ENAMEL STRUCTURE**

#### **INCISAL EFFECT**



#### **CERVICAL EFFECT**



#### TISSUE



#### INCISAL DENTIN SURFACE

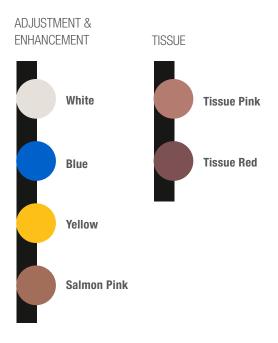


#### VALUE CONTROL



#### INTERNAL STAIN





### PREDICTABILITY

## UNIQUE PORCELAIN PROPERTIES

CERABIEN™ MiLai, like all other porcelains from Kuraray
Noritake Dental Inc., is based on synthetic feldspathic porcelain
technology developed by Noritake Dental Supply Co., Limited in
the late 1980s. Its material structure and particle distribution
resemble those of natural teeth. Multiple firing is possible without
affecting the material's properties. Because of this quality, dental
professionals can rely on persistent handling properties and
predictable results every time.

#### **FLUORESCENCE**

CERABIEN™ MiLai porcelain is fluorescent, mimicking the optical properties of a natural tooth. This adds to the vitality and life-like appearance of a restoration. Only Tissue shades do not have the same fluorescent properties, as natural gingiva is not fluorescent.

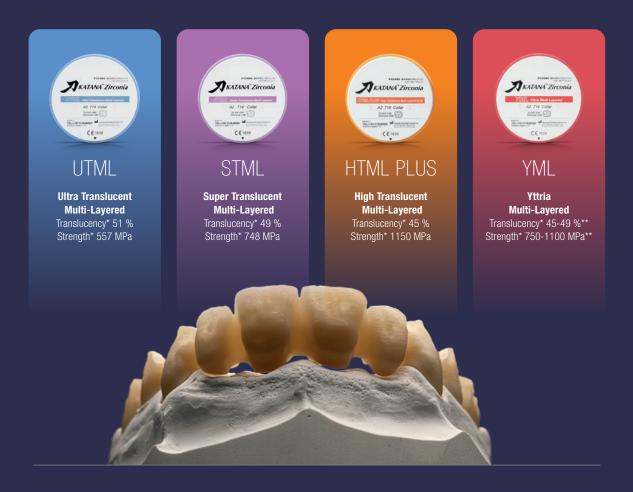
UNDER ULTRA VIOLET LIGHT

Tissue shades

# A SOLID FOUNDATION

#### KATANA™ Zirconia MULTI-LAYERED SERIES

Looking for a base material from the same manufacturer? All materials from the KATANA™ Zirconia Multi-Layered Series complement micro-layering with CERABIEN™ MiLai porcelains and internal stains offering a strong, aesthetic and enduring base. They are available with colour gradation and uniform translucency and flexural strength of various levels (KATANA™ Zirconia UTML, STML and HTML PLUS) or with colour, translucency and flexural strength gradation (KATANA™ Zirconia YML).



#### PRODUCT ASSORTMENT



#### **CERABIEN™ MiLai PORCELAIN 10g**

109-0051EU Tx 109-0061EU ELT<sub>1</sub> 109-0071EU LTx 109-0081EU LT<sub>1</sub> 109-0091EU LT Super Gray 109-0101EU LT Royal Blue 109-0111EU Aqua Blue 2 109-0121EU Creamy Enamel 109-0131EU E<sub>2</sub> 109-0141EU CCV-2 109-0151EU Tissue 1 109-0161EU Tissue 4 109-0171EU Tissue 5 109-0181EU Tissue 6 109-0191EU Value Liner 1

109-0201EU Value Liner 2



#### **CERABIEN™ MiLai PORCELAIN 50g**

109-0212EU Tx 109-0222EU ELT. 109-0232EU LTx 109-0242EU LT<sub>1</sub> 109-0252EU LT Super Gray 109-0262EU LT Royal Blue 109-0272EU Aqua Blue 2 109-0282EU Creamy Enamel 109-0292EU E<sub>2</sub> 109-0302EU CCV-2 109-0312EU Tissue 1 109-0322EU Tissue 4 109-0332EU Tissue 5 109-0342EU Tissue 6 109-0352EU Value Liner 1



#### CERABIEN™ MiLai INTERNAL STAIN 3g

109-0371EU White 109-0381EU Gray 109-0391EU Incisal Blue 1 109-0401EU Incisal Blue 2 109-0411EU Blue 109-0421EU Yellow 109-0431EU Mamelon Orange 2 109-0441EU Cervical 2 109-0451EU Salmon Pink 109-0461EU Tissue Pink 109-0471EU Tissue Red 109-0481EU A+ 109-0491EU B+ 109-0511EU Fluoro 109-0501EU Bright

211-2599EU CERABIEN™ MiLai INTERNAL STAIN COLOR GUIDE





109-0362EU Value Liner 2

109-0010EU CERABIEN™ MiLai MICRO-LAYERING KIT



109-0020EU CERABIEN™ MiLai INTERNAL STAIN KIT



EU Importer

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- Before using this product, be sure to read the Instructions for Use supplied with the product.
- The specifications and appearance of the product are subject to change without notice.
- Printed color can be slightly different from actual colour.

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