

YML Yttria Multi Layered

UTML Ultra Translucent Multi Layered

STML Super Translucent Multi Layered

HTML PLUS High Translucent Multi Layered





Zirconia Finishing Solutions

CERABIEN[™] ZR FC Paste Stain & Glazes

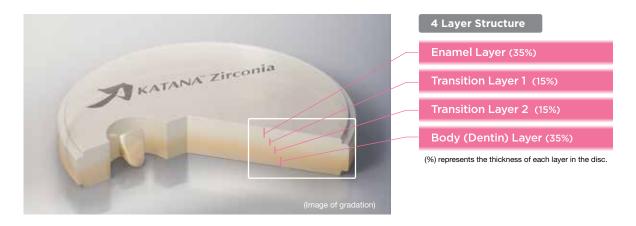




High Esthetic Potential for Zirconia Dental Restorations*

Introducing the KATANA™ series of high translucent multi layered YML, HTML PLUS, superior translucent multi layered STML, and ultra translucent multi layered UTML, ideal for efficient esthetic anterior restorations.

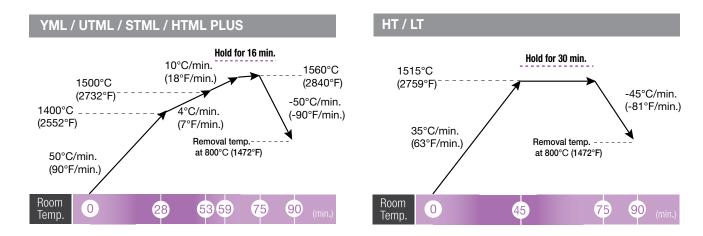
*Comparison with our conventional products.



90-minute Sintering for Single Restorations

In addition to the usual sintering time (approximately 7 hours), under our proprietary zirconia technology, KATANA™ Zirconia can be sintered in approximately 90 minutes* without any compromise of translucency or mechanical strength.

*The material is removed from the furnace at 800°C, and is only for single restorations.



Use only fast sintering furnaces capable of reaching the desired high temperature and heat rate.







Multi Layered

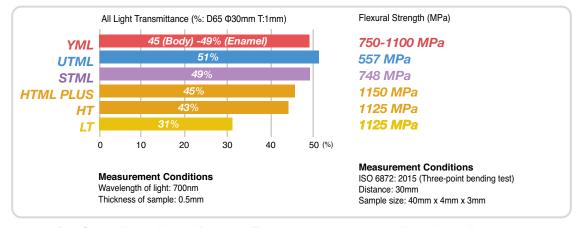
Monochromatic

Extended Shade Selection



Translucency (raw zirconia material)

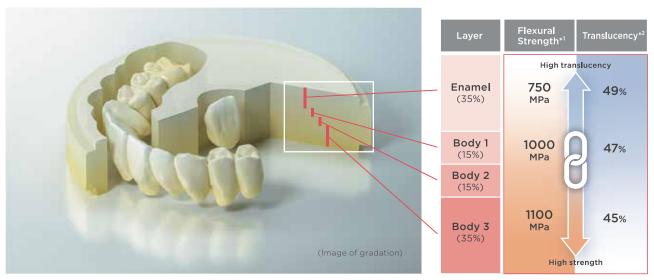
Mechanical Properties



Data Source: Kuraray Noritake Dental Inc. The numerical value varies according to the conditions.



KATANA™ Zirconia YML is redefining zirconia in esthetic dentistry. This product is characterized by a unique raw material combination of highly translucent zirconia and high strength, integrated by advanced manufacturing technology.



Measurement Conditions: Evaluated by base material (white color)

*1 According to ISO 6872: 2015, Sample Size: 3 x 4 x 40mm *2 All Light Transmittance, Illuminant: D65, Thickness of Sample: 1.0mm

Percentage is the thickness of each in a disc

Data Source: Kuraray Noritake Dental Inc. The numerical value varies according to the conditions.

KATANA™ Zirconia YML FOR 90-MINUTE SINTERING



KATANA™ Zirconia YML displays superior optical properties after 90-minute sintering as compared to discs of major competitors*.

*This sintering program is not recommended for competitors' zirconia discs.

Versatility of Application Range

Expect exceptional design flexibility - from veneers to full-arch restorations.







Based on KATANA™ Zirconia YML A3 with CERABIEN™ ZR FC Paste Stain
Photo Courtesy of DT Marco Stoppaccioli - L'Aquila

Features

FAST PROCESSING

Benefits

High-speed sintering (90-minute) offers completely new possibilities. Waiting time is reduced to a minimum. For re-make and rush cases, it is now possible to finish the work easily within one day. In addition, the minimized over-night-sintering cycles enable **shorter delivery time** to increase your business efficiency.

ALL-IN-ONE SOLUTION

Due to the high translucency and high strength combined within one disc, the entire indication spectrum can be covered. This **minimizes your inventory** of different zirconia discs.

SIMPLE ESTHETICS

A seamless multi layered technology eliminates visible transition lines, emphasizes natural color and translucency, and ensures a simplified, **time-saving** procedure.

CONTROLLED FIRING DEFORMATION

Improving the fitting accuracy of restorations after the final sintering process reduces risk of re-manufacturing, an added benefit for dental labs.

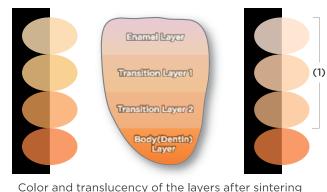
No wasted time or materials.

UTML Ultra Translucent Multi Layered

UTML has the most translucency among the KATANA™ Zirconia series, and is recommended for fabrication of anterior crowns and laminate veneers. Two different shade types are available: Standard Shade and Enamel Shade.

Concept of Color and Translucency





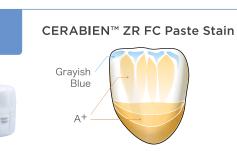
(Image of gradation)

Enamel Shade (ENW, EA1, EA2 & EA3) Translucency High translucency through all the disc layers. Color Reduced chroma from incisal to the middle layer (1) part

*VITA Classical Shade Guide

Example of

Staining



By applying external stains, the translucency is more clearly enhanced. The **Enamel Shade** version has reduced color intensity in one half of the disk from the incisal edge ((1)part), giving you the ability to characterize and express color variations with stains.

Monolithic Anterior Crowns made from KATANA™ Zirconia UTML





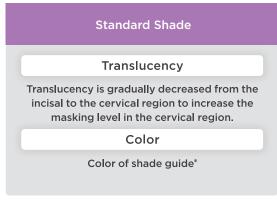
- 2. Applying the glaze and the stain
- 3. Checking the restorations on the model
- 4. Seating in the mouth

Clinical cases contributed by Keiko Okubo, DDS Restorations fabricated by Kazunobu Yamada, RDT

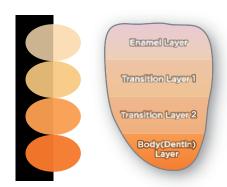
STML Super Translucent Multi Layered

KATANA™ Zirconia STML has a well-balanced combination of translucency, mechanical properties and masking effect in the cervical area which can obtain the desired shades to accommodate the variety found in prepared tooth conditions.

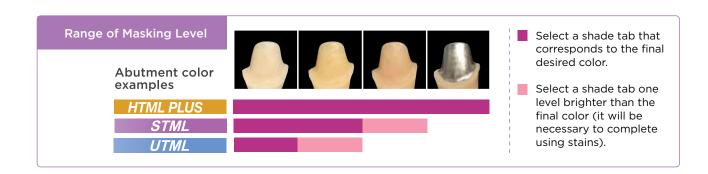
Concept of Color and Translucency



*VITA Classical Shade Guide



Color and translucency of the layers after sintering (Image of gradation)



Monolithic Posterior Crown made with KATANA™ Zirconia STML*



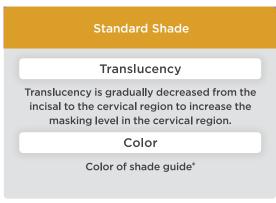


- 3
- 1. Preparation
- 2. Wax up
- 3. Checking the restoration on the model
- 4. Seating in the mouth (Left: Buccal view, Right: Occlusal view)

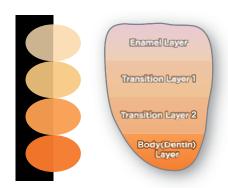
HTML PLUS High Translucent Multi Layered

With the highest mechanical strength, KATANA™ Zirconia HTML PLUS features veneering ceramic on top and a natural color gradient. Use KATANA™ Zirconia HTML PLUS as a dentin-like base, suitable for full-contour crowns and bridges.

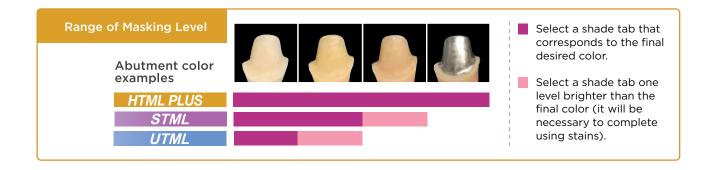
Concept of Color and Translucency



*VITA Classical Shade Guide

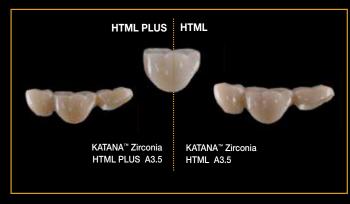


Color and translucency of the layers after sintering (Image of gradation)



Comparisons of Translucency and Color







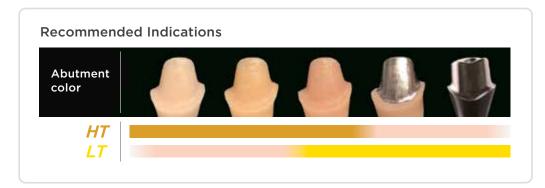


Monochromatic translucency options of KATANA™ Zirconia HT (High Translucent) and LT (Low Translucent) series have different levels of translucency, making them especially suitable for porcelain layering.

Different levels of translucency allow you to choose between HT and LT to fabricate a highly esthetic porcelain-fused zirconia restoration with minimal laboratory effort. Porcelain-fused zirconia restorations tend to have a thin framework; their appearance may be affected by the color of the abutment. Select HT if you want to reflect the color of the abutment or LT to mask the color of the metal or discolored abutment. These options make it easier to achieve an esthetic color adjustment.

Selecting The Right Framework Translucency

By properly using HT or LT, you can accurately utilize or mask various abutment colors.





Masking degree comparison between HT and LT on the metal abutment



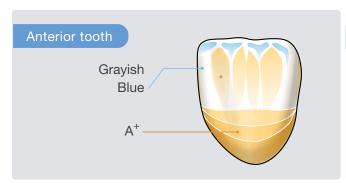


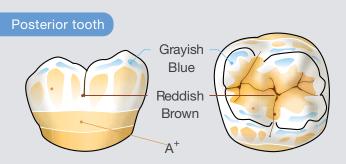


The addition of a new paste-type FC Paste Stain (a surface stain) to the CERABIEN™ZR line allows the easy characterization of full-zirconia restorations. FC Paste Stain is available in a total of 27 shades for the reproduction of a wide variety of shades.

Examples of The Use of Stain

The full complement of blue and gray shades (Light Gray, Dark Gray, Grayish Blue, & Blue) makes it possible to easily reproduce blue-grayish transparency effects for the incisal area. Two types of glaze (Glaze & Clear Glaze) make it easier to control the appearance of transparency across the entire crown.





The FC Paste Stain Color Composition List / Product Number



	Cervical 1	104-5701KA			
	Cervical 2	104-5711KA			
ر	Cervical 3	104-5721KA			
Dentin	A ⁺	104-5781KA			
	B ⁺	104-5791KA			
	C ⁺	104-5801KA			
	D^{+}	104-5811KA			
	White	104-5821KA			
Enhancement	Mamelon Orange 1	104-5681KA			
ancel	Mamelon Orange 2	104-5691KA			
Enha	Earth Brown	104-5731KA			
	Reddish Brown	104-5741KA			

	Value	104-5831KA			
	Black	104-5601KA			
	Green 1	104-5651KA			
ent	Green 2	104-5661KA			
Adjustment	Yellow	104-5671KA			
	Salmon Pink	103-5751KA			
	Pink	104-5761KA			
	Red	104-5771KA			
	Fluoro	104-5841KA			

Baking Schedule for The Fabrication of Full-Zirconia Restorations

FC Paste Stain can be baked at 750°C during the fabrication of full-zirconia restorations. This is a lower temperature than that used for conventional external stains.

Dry-out Time		drying erature		art suum	Heat	: Rate	Vacuum Level	Release	Vacuum		igh erature	Hold Time (in the air)	Cool Time
min.	°C	°F	°C	°F	°C/min.	°F∕min.	kPa	°C	°F	°C	°F	min.	min.
5	500	932	600	1112	45	81	96*	750	1382	750	1382	1	4

The Zirconia Glaze That Does It All!



Achieve the highest level of sheen or luster with CZR FC Glaze, with minimal application or layer thickness.

Zirconia Finishing Solution Kit







CERABIEN™ZR FC Paste Stain Kit

104-5590KA

- 5g each Glaze, Clear Glaze
- 3g each Light Gray, Dark Gray, Grayish Blue, Blue Cervical 1, Cervical 2, Cervical 3, A+, B+, C+, D+, White, Mamelon Orange 1, Mamelon Orange 2, Earth Brown, Reddish Brown, Value, Black, Green 1, Green 2, Yellow, Salmon Pink, Pink, Red, Fluoro
- Color Guide
- ES Liquid

CERABIEN™ZR FC Paste Stain Basic Kit 104-5870KA

- 5g each Glaze, Clear Glaze
- 3g each Dark Gray, Grayish Blue, Cervical 2, Earth Brown, Salmon Pink, A+, White
- Color Guide
- ES Liquid

Pearl Surface Z 20g 221-0769KA

Designed for polishing zirconia and porcelain, Pearl Surface Z adds a natural luster to the surface without altering the subtleties in the texture. It is also suitable for polishing hard resin and denture-base acrylic resin.

PANAVIA™ SA Cement Universal



Designed for all restorations without primers, PANAVIA™ provides superior luting for all hybrid cases. Titanium to zirconia bonding with no need for primers - this is the ideal lab cement.

Legendary Adhesive Technology from Kuraray



Quality Materials, Just A Click-Away!



Efficiently fabricate full-zirconia esthetic restorations by combining FC Paste Stain with KATANA™ Zirconia YML, UTML, STML, or HTML PLUS*.

* FC Paste Stain can be used on restoration surfaces where CERABIEN™ ZR, CZR PRESS, or CZR PRESS LF is layered on KATANA™ Zirconia. Refer to Instructions for Use or the Paste Stain Technical Manual.

KATANA™ Zirconia HT (High Translucent) and LT (Low Translucent) series offer varied levels of translucency, making them especially suitable for porcelain layering.



KATANA™ Zirconia available at:

KATANA LabDirect

1-844-kuraray (1-844-587-2729) www.katanalabdirect.com



1-800-496-9500 www.zahndental.com

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Kuraray Noritake KATANA™ App for Lab and Chair-side

Get vital information at your fingertips with the Kuraray Noritake App featuring new KATANA™ Zirconia Color Simulation Shade Colors, 24/7 access to FAQs and valuable technical videos; Instructions For Use (IFU), and Comprehensive Cementation Guide for dentists.



www.katanazirconia.com

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