

KATANA™ Zirconia ONE
For IMPLANT

For use with
CEREC



=====
MULTI
LAYERED

The solution for strength,
natural beauty, and workflow efficiency
all in ONE block.



“KATANA™ Zirconia ONE For IMPLANT”
is newly added to
the “KATANA™ Zirconia ONE” series.

Hybrid Abutment Crown
or Hybrid Abutment
with **ONE block**

Flexural Strength
932 MPa¹

Multi-Layer technology
results in
natural tooth-colored
restorations

10 shades
available
based on
VITA classical A1-D4® shade guide

¹ According to ISO 6872:2015, Three-point flexural strength test, Sample size 1.2x4x14 mm, Span length 12 mm, Source: Kuraray Noritake Dental Inc.

WHAT IS “KATANA™ Zirconia ONE For IMPLANT”?

KATANA™ Zirconia ONE is a pre-sintered zirconia block which is designed for CEREC systems.

KATANA™ Zirconia ONE For IMPLANT is designed for using as a mesostructure of an implant system, and has an access hole for connecting to the TiBase.

It can be fabricated as a hybrid abutment crown or a hybrid abutment. Designed to match the shade guide¹, when used as a posterior restoration finished by hand polishing².



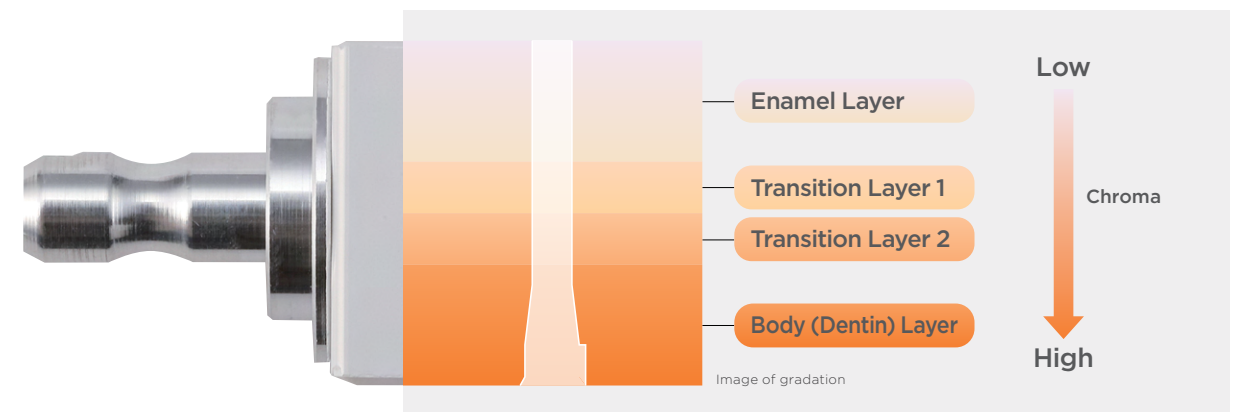
¹ NW is based on NORITAKE SHADE GUIDE, and others are based on VITA classical A1-D4® shade guide
² When it is used for making anterior restorations, we recommend finishing the restoration by glazing and staining with dental porcelain such as CERABIEN™ ZR FC Paste Stain for achieving even more aesthetic outcomes.

NATURAL BEAUTY: GRADATION OF COLOR/TRANSLUCENCY

This multi-layered block consists of four layers of zirconia in gradated shades.

This product allows the chair side fabrication of natural-tooth-colored restorations – eliminating additional sintering time.

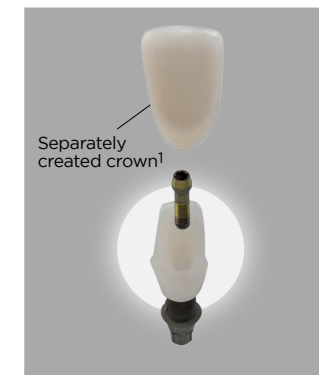
**MULTI
LAYERED**



TWO TYPES OF RESTORATION OPTIONS IN ONE BLOCK



Hybrid abutment crown
(Screw-retained crown)



Hybrid abutment + crown²
(Cement-retained crown)

¹ When the restoration is to be used as a hybrid abutment, after the tightening with abutment screw and sealing the screw channel intraorally, cement a crown with a cement that claims to be usable for zirconia.
It is recommended to use resin cement to bond the restoration.

² The photo of “Hybrid abutment + crown” shows the palatal view.

KATANA™ Zirconia ONE For IMPLANT can be used as a hybrid abutment crown or a hybrid abutment. With this block, you can create either type depending on the case. For general cases, a hybrid abutment crown can be used. A hybrid abutment, which needs a separately created crown, is used when an implant is placed in an orientation that is not parallel to that of the adjacent teeth, etc.

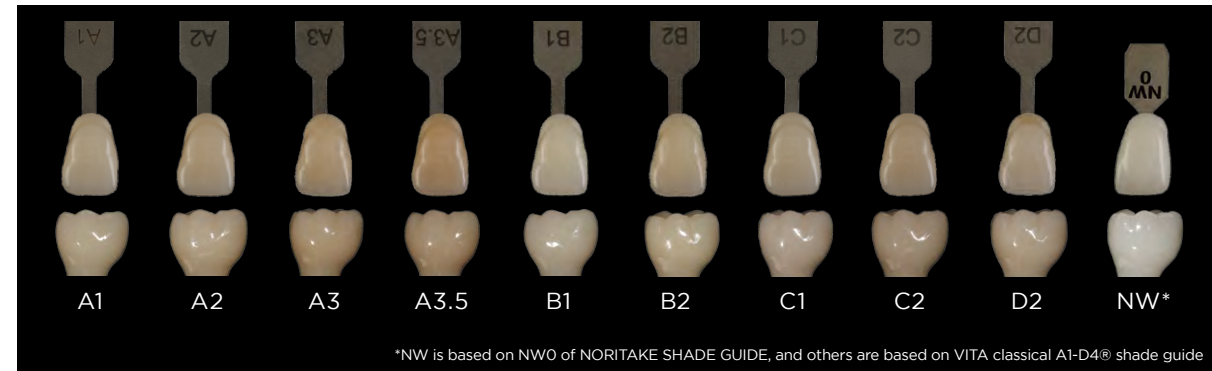
OUR ORIGINAL RAW MATERIAL

We, Kuraray Noritake Dental, develop our exclusive zirconia powders all within the company. This approach allows us to exercise precise control over both the chemical and physical characteristics, including the concentration of yttria, as well as factors like grain or particle size and the sintering temperature.



10 SHADES AVAILABLE Based on VITA classical A1-D4® shade guide

Designed to match the shade guide when used as a posterior restoration when finishing by hand polishing^{1,2}.



- 1 This block can also be used for making anterior restorations. When it is used for making anterior restorations, we recommend finishing the restoration by glazing and staining with dental porcelain such as CERABIEN™ ZR FC Paste Stain for achieving even more aesthetic outcomes.
 2 All restorations shown on the picture were finished by hand polishing.

POSTERIOR RESTORATIONS: HAND POLISHING

For posterior restorations, hand polishing is recommended to match the shade guide. Pre-sinter polishing can also be performed prior to sintering, regardless of finishing method.

Pre-sinter polishing (Optional)

Adjust the surface texture with a fine diamond smoothing instrument.

Polish with a silicone-free polisher.

Make sure you get the desired gloss.

Completion

Post-sinter polishing

Polish using silicone points containing diamond particles.

Finish by polishing, using polishing paste containing diamond particles, such as PEARL SURFACE™ Z.

Completion

ANTERIOR RESTORATIONS: GLAZE BAKING

For anterior restorations, we recommend finishing by glazing and staining with dental porcelain such as CERABIEN™ ZR FC Paste Stain to realize aesthetic results.

Create a surface texture over the entire crown under running water or wet condition.

Polish areas in contact with opposing tooth.

Alumina sandblast the crown surface and interior other than polished areas (50-70 Qm, 0.2 MPa).

Clean restoration using an ultrasonic cleaner (in alcohol or acetone or steam cleaner).

Apply CERABIEN™ ZR FC Paste Stain Glaze or Clear Glaze and bake.

Apply either A*, B*, C* or D* of CERABIEN™ ZR FC Paste Stain on the restoration and bake.

Completion

CEREC: WORKFLOW



- 1 When using this product, use the following guidelines: CEREC Software 5.2.13 / CEREC Software 5.3.3 / inLab CAM Software 22.7 / inLab CAM Software 24.1 / inLab CAD Software 22.4.1 or later is required.
 2 It is recommended to work under dry conditions. In cases where the process is performed under wet conditions and using a sintering furnace other than CEREC SpeedFire, dry the block at 200°C (392°F) for 10 minutes in the sintering furnace, prior to the sintering.

CEMENTATION: WORKFLOW

It is recommended to cement the restoration with PANAVIA™ SA Cement Universal (White).

AC TECHNIQUE with PANAVIA™ SA Cement Universal (White)

A: Air-particle abrasion

Sandblast the internal surface of the restoration with 50 Qm aluminum oxide and up to 2.0 bar (29 psi).

C: Adhesive composite resin

Apply the resin cement to the TiBase.

Seat the restoration as far as it will go. Make sure it latches into the rotation and position stops.

Remove excess cement immediately.

Remove residue with a rubber polisher after chemical curing.

What is the "AC Technique"?

The AC Technique with PANAVIA™ SA Cement Universal is introduced for appropriate bonding of zirconia restorations without a primer by Prof. Markus Blatz, DMD, PhD, University of Pennsylvania School of Dental Medicine and his group. It only includes two practical steps: (A) air-particle abrasion and (C) adhesive composite resin. The researchers have originally introduced "the APC technique" to ensure proper bonding process of zirconia, which includes three practical steps: (A) air-particle abrasion, (P) zirconia primer, and (C) adhesive composite resin.

RELATED PRODUCTS



CERABIEN™ ZR FC Paste Stain

CERABIEN™ ZR FC Paste Stain is a paste-type stain (surface stain) which allows for easy characterization of full zirconia, as well as both layered and pressed zirconia. It is recommended for dental technicians and dentists that want to further characterize sintered zirconia.



PANAVIA™ SA Cement Universal

PANAVIA™ SA Cement Universal contains MDP in the paste and can be used to cement zirconia crowns without a separate primer/silane. This special long chain silane coupling agent in the paste eliminates the need for a separate silane bottle.



KATANA™ Cleaner

KATANA™ Cleaner is a universal cleaner with unique MDP salt technology that can be used to clean zirconia after intra-oral try-in. It has a pH of 4.5 that can be used intra-orally as well, to clean preps. These features truly make it a universal cleaner.

BLOCK SIZE

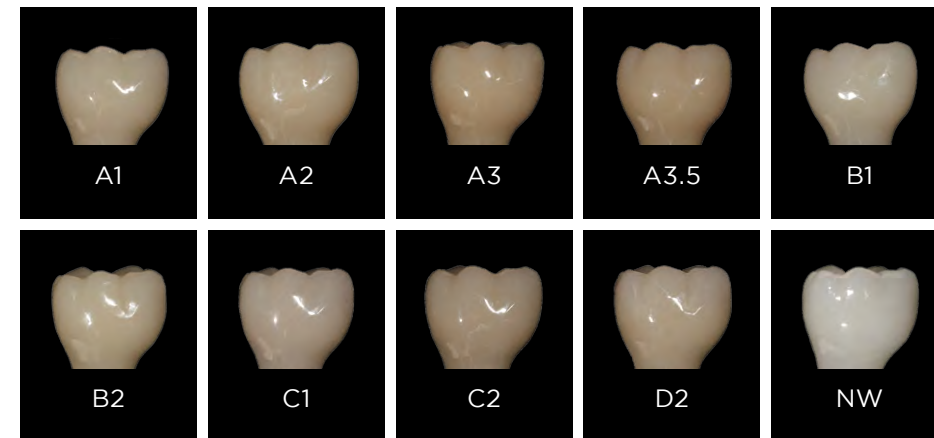
KATANA™ Zirconia ONE For IMPLANT comes with two types, S and L. The difference between S and L is the diameter of the access hole. The block size is the same.



Block size (unit: mm)		a	b	c
KATANA™ Zirconia ONE For IMPLANT S / L	Before Sintering	22.1	23.6	24.6

*Block sizing may have individual slight differences but will be adjusted automatically by the software.

KATANA™ Zirconia ONE For IMPLANT: AVAILABLE SHADES



Based on VITA classical A1-D4® shade guide

*NW is based on NW0 of NORITAKE SHADE GUIDE

PRODUCT LINEUP



KATANA™ Zirconia ONE For IMPLANT S

1 box includes 3 blocks (1 shade)
Shade variation: A1, A2, A3, A3.5, B1, B2, C1, C2, D2, NW



KATANA™ Zirconia ONE For IMPLANT L

1 box includes 3 blocks (1 shade)
Shade variation: A1, A2, A3, A3.5, B1, B2, C1, C2, D2, NW

ORDERING INFORMATION

	NW	A1	A2	A3	A3.5
KATANA™ Zirconia ONE For IMPLANT S	125-9689KA	125-9680KA	125-9681KA	125-9682KA	125-9683KA
KATANA™ Zirconia ONE For IMPLANT L	125-9699KA	125-9690KA	125-9691KA	125-9692KA	125-9693KA
	B1	B2	C1	C2	D2
KATANA™ Zirconia ONE For IMPLANT S	125-9684KA	125-9685KA	125-9686KA	125-9687KA	125-9688KA
KATANA™ Zirconia ONE For IMPLANT L	125-9694KA	125-9695KA	125-9696KA	125-9697KA	125-9698KA

KATANA™ Zirconia ONE Product Series

The solution for strength,
natural beauty, and
workflow efficiency
all in ONE block.



YOUR CONTACT

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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 color.

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R & Only

