

-HT (High Translucent) & ML (Multi Layered)-

INSTRUCTION FOR USE

I. Introduction

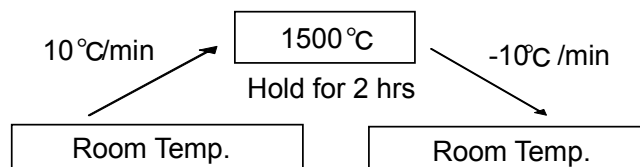
KATANA™ Zirconia has two kinds of shape, block and disc. This IFU is used for KATANA™ Zirconia HT (High Translucent) & ML (Multi Layered). KATANA™ Zirconia HT is higher in translucency and KATANA™ Zirconia ML consists of four layers and it is more preferable for KATANA™ Zirconia HT & ML to be used for FCZ (Full Contour Zirconia). KATANA™ Zirconia HT & ML are a pre-sintered zirconia disc 98.5 mm in diameter, which is designed for the milling system using the generic disc type. (Please refer to your milling system's technical instruction to have a correct machine operation.) KATANA™ Zirconia HT has five thickness (10mm, 14mm, 18mm, 22mm & 26mm) and has one type of color variation (HT10). KATANA™ Zirconia ML has three thickness (14mm, 18mm & 22mm) and has three types of color variation (A Light, A Dark and B Light).

II. Intended Use

KATANA™ Zirconia HT & ML are used for fabricating the all-ceramic dental frameworks or FCZ crowns and bridges. This disc is designed to provide patients with strong and tough prosthetic dental restorations for anterior and posterior applications.

III. Baking Schedule

Temperature	Programming Rate	Holding Time
Room Temp. — 1500°C	10°C/min.	—
1500°C	—	2 hrs
1500°C — Room Temp.	-10°C/min.	—



IV. Composition

ZrO₂, Y₂O₃ etc.

V. Type and Class(ISO6872:2008)

Type: II / Class:6

VI. Physical Properties

Flexural Strength: av. ≥ 900MPa

Coefficient of Thermal Expansion(25-500°C): 9.9(±0.2)×10⁻⁶/K

VII. Directions for Use

- Take out the disc from the plastic package and confirm that the disc has no crack.
- Set the disc to the milling machine, then start to mill.
- After milling, remove the frameworks (or FCZ crowns and bridges) from the disc with a diamond bur etc.
- The cutting waste which attached to the frameworks (or FCZ crowns and bridges) is removed with air.
- Put the frameworks (or FCZ crowns and bridges) in the refractory sagger and put it in the baking furnace.
- Bake the frameworks (or FCZ crowns and bridges) according to the baking schedule mentioned above (III. Baking Schedule).
- After baking, adjust the frameworks (or FCZ crowns and bridges) with a diamond bur, if needed.
- Confirm that the frameworks (or FCZ crowns and bridges) has no crack.
- 1 Polish the surface of the frameworks (or FCZ crowns and bridges) in the polished method.
- 2 Build up the dental porcelain (CERABIEN™ ZR) in the build up method.

VIII. Remarks on Handling

Contraindication:

- If the patient is hypersensitive to zirconia or any other components, this product must not be used.

Caution:

- If the patient or the dental professional demonstrates a hypersensitivity reaction, such as rash, dermatitis etc., discontinue use of the product and seek medical attention immediately.
- When milling the disc, use an approved dust mask and a vacuum air filter to protect your lungs from inhaling dust.
- When milling the disc, use a safety glasses to prevent the dust from getting into your eye. If the dust got into your eye, immediately rinse with copious amount of water and consult a physician.
- Do not use for any purposes except for dental restoration. This product is for dental application only.
- Do not touch the items heated by the furnace with your bare hand.

Caution in the use in conjunction with the usage:

- Use disc immediately after taking out from the plastic package.
- Do not get disc wet.
- After taking out the disc from the plastic package, if you find crack on the disc, do not use it.
- If you find crack on the frameworks (or FCZ crowns and bridges), do not use it.

Storage:

- Keep in cool and dry place. Keep away from direct sunlight.
- The product should be stored at 10-30°C.
- Do not take out disc from the plastic bag during storage.
- Do not give a shock to the disc. It is fragile.
- The product must be stored in a proper place where only dental personnel can access.
- The product must be used by the expiration date indicated on the package.

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EC REP Kuraray Europe GmbH Philipp-Reis-Str. 4, 65795 Hattersheim am Main, Germany

Kuraray Noritake Dental Inc.
300 Higashiyama, Miyoshi-cho, Miyoshi, Aichi, 470-0293 Japan Phone +81-561-32-8953 Fax +81-561-32-8976

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