For all restorative procedures
Intra- and extra-oral use

Kuraray Noritake Dental Inc.
kuraraynoritake.eu/katana-cleaner
During trial fitting your restoration might become contaminated with proteins reducing the bond strength. KATANA™ Cleaner has a high cleaning effect due to the surface active characteristic of MDP Salt.

In contrast to other cleaners, KATANA™ Cleaner has a pH value of 4.5 which allows usage not only extra-orally but also intra-orally. It is the easy way to optimise your bondings including cementation procedures.


**Shear bond strength to KATANA™ Zirconia HT**

<table>
<thead>
<tr>
<th>MPa</th>
<th>Before Contamination</th>
<th>Contamination after 1 min. immersion in artificial saliva</th>
<th>After using KATANA™ Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
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</tr>
</tbody>
</table>

Measurement conditions:
- Substrate surface: After #1000 sanding, alumina sandblasting.
- Coverage area ø 5mm, measured at 37°C, underwater storage for 1 day.
- Cement: PANAVIA™ V5

Data source: Kuraray Noritake Dental Inc.

* Numerical values vary depending on measurement conditions.
EASY & FAST PROCEDURE

Rub in, rinse and dry. That’s all you need to do to optimise your adhesive procedure. Unlike other cleaners that require longer rubbing time, and are limited to extra-oral use only, KATANA™ Cleaner only requires 10 seconds and can be used both intra- and extra- orally.

Apply and rub KATANA™ Cleaner for at least 10 seconds. Both to the prosthetic and the intra-oral substrate.

Rinse and dry.

Cement the restoration according to the manufacturer instructions.

HOW IT WORKS

Saliva/Blood Contamination

Tooth surface and prosthetic restoration surface

Rub for 10 sec

MDP salt adheres to contamination

MDP Salt breaks up the contamination

MDP Salt surrounds the contamination and lets it float from the surface

Remove by rinsing with water and dry
Due to its mild pH value of 4.5, KATANA™ Cleaner can be used not only extra-orally but also intra-orally, making it an all-purpose universal cleaner for both - tooth structure and prosthetics.

PROTEIN STAINING TEST CLEANING EFFECT ON ZIRCONIA

Contamination with artificial saliva
Contamination assessment based on the degree of staining with a stain that binds to proteins present in saliva.

Contamination with blood (human plasma)
The degree of contamination is evaluated by the degree of staining with an agent that binds to (albumin, fibrinogen, immunoglobulin) proteins present in human plasma.

Data source: Kuraray Noritake Dental Inc.
HIGH CLEANING EFFECT

During intra-oral try-in of restorations, contamination might occur reducing the bond strength. KATANA™ Cleaner’s high cleaning effectiveness ensures for an optimised bonding surface.

Shear bond strength to KATANA™ Zirconia HT after cleaning with:

Shear bond strength to bovine enamel and dentin after cleaning with:

Cement: PANAVIA™ V5
Data courtesy of Dr. Shoji Kato, The 38th Annual Meeting of Japan Society for Adhesive Dentistry
Effect of various surface cleaning procedures on bonding performance
* Not a trademark of Kuraray Noritake Dental Inc.
CLEANERS COMPARISON*

<table>
<thead>
<tr>
<th></th>
<th>KATANA™ CLEANER</th>
<th>IVOCLEAN** (IVOCLAR VIVADENT)</th>
<th>ZIRCLEAN** (BISCO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intra-oral Use on Tooth Structure</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Intra-oral Use on Implant Abutments</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Extra-oral Use</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Active Ingredient</td>
<td>MDP Salt (Surfactant)</td>
<td>Sodium Hydroxide</td>
<td>Potassium Hydroxide</td>
</tr>
<tr>
<td>pH</td>
<td>4.5</td>
<td>13-13.5</td>
<td>13</td>
</tr>
<tr>
<td>Application Time</td>
<td>10 Seconds</td>
<td>20 Seconds</td>
<td>20 Seconds</td>
</tr>
<tr>
<td>Handling</td>
<td>No Shaking</td>
<td>Shake Before Use</td>
<td>No Shaking</td>
</tr>
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* According to the Instructions for Use and official documentation
** Not a trademark of Kuraray Noritake Dental Inc.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ARTICLE NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>#3970-EU</td>
<td>KATANA™ Cleaner (4.0ml)</td>
</tr>
</tbody>
</table>

YOUR IDEAL TEAMMATES:

PANAVIA™ V5
PANAVIA™ V5 is our strongest cement ever developed. And with five shades, our most esthetic one too. This makes a totally new kind of dentistry possible, where you can be confident during cementation.

PANAVIA™ SA CEMENT UNIVERSAL
PANAVIA™ SA Cement Universal contains the unique LCSi monomer that adheres to virtually every material including glass ceramics without the need for a separate primer. The original MDP monomer allows for chemical reactivity with zirconia, dentin and enamel.
• 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.

“KATANA” is a trademark of NORITAKE CO., LIMITED
“PANAVIA” is a trademark of KURARAY CO., LTD.