ADHESIVE RESIN CEMENT SYSTEM

PANAVIA™ V5

ONE SIMPLE & ESTHETIC CEMENT FOR ALL YOUR NEEDS

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Since 1983, with the introduction of PANAVIA EX resin cement & the original MDP adhesive monomer, Kuraray has provided innovative & exceptional technologies that have improved the quality of adhesion dentistry & influenced the dental industry.

Now we present PANAVIA V5, our 5th Version, that is a true dual-cure, fluoride-releasing, color-stable, esthetic, universal resin cement with simplified placement & easy clean-up technique.

PANAVIA V5 also provides an adhesive milestone by providing self-cure dentin bond strengths equal to a “Gold Standard” light-cure bonding agent, CLEARFIL™ SE BOND. No resin cement has been able to provide this level of adhesion until now.

**For Tooth Structure:**

Multiple research studies have indicated that many dual-cure resin cements require light-curing to provide acceptable bond strengths. The PANAVIA V5 Tooth Primer (MDP-Based) with new catalysts solves this challenge and provides exceptionally high bond strengths for all tooth structures in the self-cure mode.

**NEW Adhesive Milestone**

**For Prosthetics:**

CLEARFIL™ CERAMIC PRIMER PLUS contains the original MDP adhesive monomer & γ-MPS silane monomer, which bonds to all silica-based ceramics (including lithium disilicate), zirconia, composites & metals.

**Single-Bottle Primer For Indirect Restorations!**

**TENSILE BOND STRENGTH TO BOVINE DENTIN**

- PANAVIA V5 KURARAY
- Multilink® Automix IVOCLAR VIVADENT
- RelyX Ultimate® 3M ESPE
- NX3® KERR
- CLEARFIL SE BOND KURARAY

**SHEAR BOND STRENGTH**

- Zirconia KATANA, KURARAY
- Lithium Disilicate e.max®, IVOCLAR VIVADENT
- Feldspar Porcelain VITALOCS MARK II®, VITA
- Composite LAVA® ULTIMATE, 3M ESPE
- Gold-alloy CASTING GOLD IV®, GC

**Note:** MPa

* Not a trademark of KURARAY Co., Ltd

**Source:** Kuraray Noritake Dental Inc
PANAVIA V5 pastes are available in 5 amine-free¹, color-stable shades with fluoride-release, natural fluorescence & virtually no post-cure color change. These benefits provide clinicians with consistent, predictable, stable long-term esthetics.

Amine-Free¹ Color Stability:
Any color change that is less than $\Delta E^* \leq 3$ cannot be detected by the naked eye. The results indicate that at each time period, the PANAVIA V5 did not have any detectable change in color.

**COLOR REFERENCE $\Delta E^*$**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Before**</th>
<th>After 4-weeks**</th>
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</thead>
<tbody>
<tr>
<td>PANAVIA V5</td>
<td></td>
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<tr>
<td>(Shade: Clear)</td>
<td><img src="Before.png" alt="Image" /></td>
<td><img src="After.png" alt="Image" /></td>
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<tr>
<td>RelyX Ultimate*</td>
<td><img src="Before.png" alt="Image" /></td>
<td><img src="After.png" alt="Image" /></td>
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<tr>
<td>(Shade: Translucent)</td>
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Natural Fluorescence:

<table>
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<tr>
<th>Shade</th>
<th>Before**</th>
<th>After 4-weeks**</th>
</tr>
</thead>
<tbody>
<tr>
<td>PANAVIA V5</td>
<td><img src="Before.png" alt="Image" /></td>
<td><img src="After.png" alt="Image" /></td>
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<tr>
<td>Natural Tooth</td>
<td><img src="Before.png" alt="Image" /></td>
<td><img src="After.png" alt="Image" /></td>
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</tbody>
</table>

¹Amine in self-cure mode.

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**Source: Kuraray Noritake Dental Inc

**Version 5 “Versatile” Simplified Procedure, Improved Esthetics, Increased Adhesion**
Warranty: Kuraray Noritake Dental Inc. will replace any product that is proved to be defective. Neither Kuraray Noritake Dental Inc. nor the distributor accepts liability for any loss or damage, direct, consequential or special, arising out of the application or use of or the inability to use these products. Before using, the user should determine the suitability of the products for the intended use and the user assumes all risk and liability whatsoever in connection therein. PANAVIA™ V5 and Kuraray Noritake Dental Inc. products are available only through Kuraray Authorized dealers.

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