

PANAVIA™ SA Cement Universal

Suitable for prosthetic restorations

Even LiDiSi cementation

Easy, gum-friendly excess removal

No need for separate primers

Storage at room temperature



ADHERES TO GLASS CERAMICS, WITHOUT THE NEED FOR A SEPARATE PRIMER

A BREAKTHROUGH FROM THE INNOVATORS OF ADHESION AND SILANE TECHNOLOGY.



The unique LCSI monomer creates a strong chemical bond to Porcelain, Lithium Disilicate and Composite Resin.



The Original MDP monomer¹ creates a strong chemical bond to Enamel, Dentin, Metal Alloy and Zirconia.

PANAMA™ SA Cement Universal is a forerunner in self-adhesive resin cements containing the unique LCSI monomer that adheres to virtually every material including glass ceramics without the need for a separate primer. Using a unique silane coupling agent built into the paste - LCSI monomer - the cement delivers a strong, durable chemical bond to porcelain, lithium disilicate and composite resin. The original MDP monomer present in the paste too, allows for chemical reactivity with zirconia, dentin and enamel.

Building on the success of our PANAMA™ SA Cement Plus, PANAMA™ SA Cement Universal also offers the same wide range of indications for adhesion and is suitable for crowns/bridges, inlays/onlays, posts, and even adhesion bridges. Thanks to its powerful, single-step bonding formula, cementation is easier than ever before. The product is available in both automix and handmix options.

EASY STORAGE. EASY APPLICATION. EASY EXCESS REMOVAL.



Room temperature storage



Easy application



Apply



Remove cement



Ready

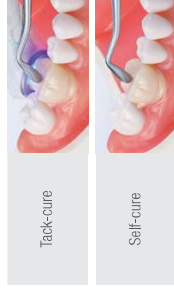
THE FAST AND EASY WAY TO ACHIEVE DURABLE PROSTHETIC RESTORATIONS CEMENTATION

CEMENTS INLAYS, ONLAYS, POSTS AND EVEN ADHESION BRIDGES*

When you require fast, easy, durable cementation, even to glass ceramics, PANAMA™ SA Cement Universal is the answer. Suitable for almost all indirect work, including adhesive bridges, even post placement in root canals. It gives you more control than ever before. Thanks to easier application, it does away with the need for a dispenser. In addition, our Universal (A2) shade delivers outstanding aesthetics. There's also a translucent shade and a little more opaque white shade for your specific needs. The result is that your cementations are now more versatile and easier than ever.

EASY, GUM FRIENDLY EXCESS REMOVAL

Two options of polymerization, the same easy clean-up result.



2 to 5 seconds

2 to 4 minutes



When the cement is used in combination with CLEAREL™ Universal Bond Quick, remove excess cement will be faster (1 to 2 seconds).

EFFORTLESS CURING

A unique blend of curing technologies ensures your cement cures quickly with a durable seal. As our hydrophilic initiators make contact with the moist dentin, the self-curing reaction is accelerated (Fig. 1). And when you start to cure your cement, with light-curing the reaction is accelerated by the radical amplifiers (Fig. 2).

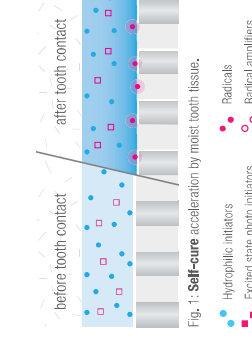


Fig. 1: Self-cure acceleration by moist tooth tissue.

Fig. 2: Light-cure acceleration by radical amplifiers.

Hydrophilic initiators
Excited state photo initiators
Radicals
Radical amplifiers

Photo initiators
Activated hydrophilic initiator

¹Original MDP technology was created in 1991 and engineered to push adhesive dental materials to their maximum performance. Since launching PANAMA™ with the Autaray Norwax Dental's original MDP technology, there's never been a more successful, tried and true adhesive product. That's why you will find it in most of our adhesive products: the gold standard CLEARFIL™ BOND, SA Cement, more than 30 original and new MDPs, MDP Activator™, MDP Activator™ Plus, MDP Activator™ Plus 2, MDP Activator™ Plus 3, MDP Activator™ Plus 4, MDP Activator™ Plus 5, MDP Activator™ Plus 6, MDP Activator™ Plus 7, MDP Activator™ Plus 8, MDP Activator™ Plus 9, MDP Activator™ Plus 10, MDP Activator™ Plus 11, MDP Activator™ Plus 12, MDP Activator™ Plus 13, MDP Activator™ Plus 14, MDP Activator™ Plus 15, MDP Activator™ Plus 16, MDP Activator™ Plus 17, MDP Activator™ Plus 18, MDP Activator™ Plus 19, MDP Activator™ Plus 20, MDP Activator™ Plus 21, MDP Activator™ Plus 22, MDP Activator™ Plus 23, MDP Activator™ Plus 24, MDP Activator™ Plus 25, MDP Activator™ Plus 26, MDP Activator™ Plus 27, MDP Activator™ Plus 28, MDP Activator™ Plus 29, MDP Activator™ Plus 30, MDP Activator™ Plus 31, MDP Activator™ Plus 32, MDP Activator™ Plus 33, MDP Activator™ Plus 34, MDP Activator™ Plus 35, MDP Activator™ Plus 36, MDP Activator™ Plus 37, MDP Activator™ Plus 38, MDP Activator™ Plus 39, MDP Activator™ Plus 40, MDP Activator™ Plus 41, MDP Activator™ Plus 42, MDP Activator™ Plus 43, MDP Activator™ Plus 44, MDP Activator™ Plus 45, MDP Activator™ Plus 46, MDP Activator™ Plus 47, MDP Activator™ Plus 48, MDP Activator™ Plus 49, MDP Activator™ Plus 50, MDP Activator™ Plus 51, MDP Activator™ Plus 52, MDP Activator™ Plus 53, MDP Activator™ Plus 54, MDP Activator™ Plus 55, MDP Activator™ Plus 56, MDP Activator™ Plus 57, MDP Activator™ Plus 58, MDP Activator™ Plus 59, MDP Activator™ Plus 60, MDP Activator™ Plus 61, MDP Activator™ Plus 62, MDP Activator™ Plus 63, MDP Activator™ Plus 64, MDP Activator™ Plus 65, MDP Activator™ Plus 66, MDP Activator™ Plus 67, MDP Activator™ Plus 68, MDP Activator™ Plus 69, MDP Activator™ Plus 70, MDP Activator™ Plus 71, MDP Activator™ Plus 72, MDP Activator™ Plus 73, MDP Activator™ Plus 74, MDP Activator™ Plus 75, MDP Activator™ Plus 76, MDP Activator™ Plus 77, MDP Activator™ Plus 78, MDP Activator™ Plus 79, MDP Activator™ Plus 80, MDP Activator™ Plus 81, MDP Activator™ Plus 82, MDP Activator™ Plus 83, MDP Activator™ Plus 84, MDP Activator™ Plus 85, MDP Activator™ Plus 86, MDP Activator™ Plus 87, MDP Activator™ Plus 88, MDP Activator™ Plus 89, MDP Activator™ Plus 90, MDP Activator™ Plus 91, MDP Activator™ Plus 92, MDP Activator™ Plus 93, MDP Activator™ Plus 94, MDP Activator™ Plus 95, MDP Activator™ Plus 96, MDP Activator™ Plus 97, MDP Activator™ Plus 98, MDP Activator™ Plus 99, MDP Activator™ Plus 100.

*When cementing to uncut enamel or placing adhesion bridges, acid etch with phosphoric acid (e.g. KETCHUM™ Syringe) to the enamel surface. Cementation of veneers is not indicated.

SCIENCE

BENEFITS

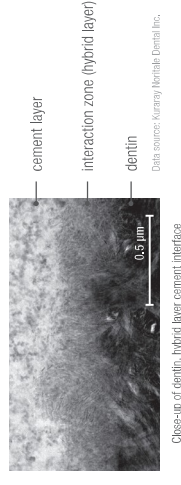
- ✔ Wide indication coverage including adhesion bridges and lithium disilicate
- ✔ Easy storage at room temperature*
- ✔ Easy application with little pressure
- ✔ Improved Endo tip for easier root canal application
- ✔ Automix and Handmix delivery

*below 25°C despite the presence of silanefl (CSi)

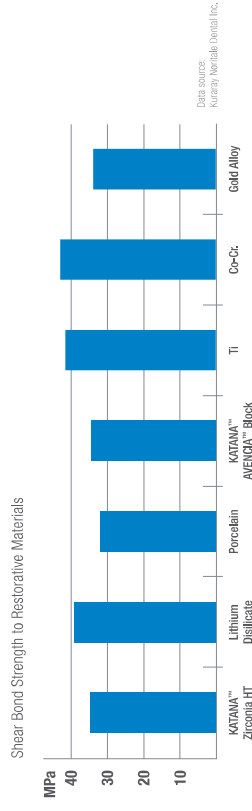
INDICATIONS

- ✔ Cementation of crowns, bridges, inlays and onlays
- ✔ Cementation of prosthetic restorations on implant abutments and frames
- ✔ Cementation of adhesion bridges and splints
- ✔ Cementation of posts and cores
- ✔ Amalgam bonding

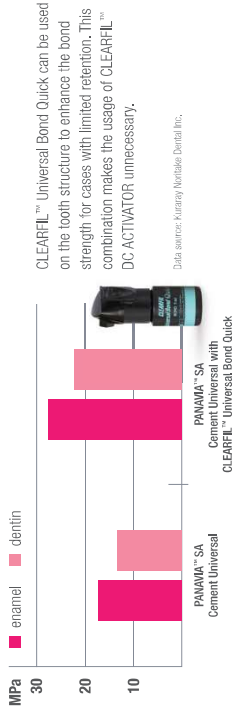
TEM IMAGES OF CEMENT INTERFACE SHOW GOOD DENTIN-CEMENT BONDING



HIGH BOND STRENGTH TO PROSTHETIC MATERIALS



Shear Bond Strength to Tooth Structure



CLINICAL INFORMATION

ONE SINGLE PROCEDURE FOR ALL ADHESIVE CEMENTATIONS

Example: single crown
 Regardless of the restorative material, no primer required. One single procedure regardless of the restorative material.

Conditioning the crown*
 * Do not store the mixing pad spatula in the refrigerator to avoid contamination.

Dispense an equal amount of Paste A & B.
 Mix Paste A & B for 10 seconds.

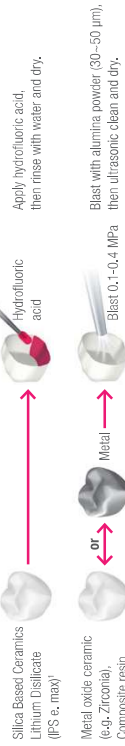
Apply the cement to the crown.

Place the crown.
 Light-cure for 2 to 5 seconds or let self-cure for 2 to 4 minutes, then remove the excess cement.

Light-cure the margin and maintain isolation for 5 minutes.*
 *For a translucent restoration, fully light-cure.

CONDITIONING THE PROSTHETIC RESTORATION

Follow the instructions for use of the restoration material. In the absence of specific instructions we recommend the following procedure:



TECHNICAL SPECS

F-ion release:	Contains surface treated sodium fluoride (less than 1%)	Flexural modulus^{1,2}:	4.6 GPa
Storage temperature:	2 - 25°C / 36 - 77°F	Water sorption^{1,2}:	27 µg/mm ³
Filler loading:	62 wt% (40 vol%)	Film thickness:	Approx. 14 µm
Compressive strength¹:	300 MPa	Radiopacity²:	170 % Al
Flexural strength^{1,2}:	91 MPa	Working time (23°C):	60 sec.

PRODUCT ASSORTMENT

SINGLE PACK HANDMIX

- #4202-EU PANAWA SA Cement Universal Handmix (Universal (A2))
- #4203-EU PANAWA SA Cement Universal Handmix (White)
- #4204-EU PANAWA SA Cement Universal Handmix (Translucent)
- 1 syringe per shade (9.2g / 5.0 ml)



VALUE PACK HANDMIX

- #4206-EU PANAWA SA Cement Universal Handmix Double Pack (Universal (A2))
- 2 syringes per shade (9.2g / 5.0 ml), Mixing spatula, Mixing pad

SINGLE PACK AUTOMIX

- #4212-EU PANAWA SA Cement Universal Automix (Universal (A2))
- #4213-EU PANAWA SA Cement Universal Automix (White)
- #4214-EU PANAWA SA Cement Universal Automix (Translucent)
- 1 syringe per shade (8.2g / 4.6 ml), 20 Mixing tips



VALUE PACK AUTOMIX

- #4210-EU PANAWA SA Cement Universal Automix Value Pack (Universal (A2))
- #4211-EU PANAWA SA Cement Universal Automix Value Pack (Translucent)
- 3 syringes per shade (8.2g / 4.6 ml), 40 Mixing tips, 10 Endo tips (SS)

MIXING TIP

- #4218-EU 20 pieces



ENDO TIP (SS)

- #4221-EU 20 pieces

SHADES



¹ Dual curing (combination of self- and light-cure) ² According to ISO 4049: 2009
 Source: Kuraray Kuraray Dental Inc.
 The final result may be influenced by minor evaluation conditions stipulated by ISO regulations.

Your contact

**Kuraray Europe Benelux,
UK & Ireland**

Margadantstraat 20, 1976 DN IJmuiden, The Netherlands
PO-box 299, 1970 AG IJmuiden, The Netherlands
infoukireland@kuraray.com
Website www.kuraraynoritake.eu

EU Importeur



Kuraray Europe GmbH

Philipp-Reis-Strasse 4,
65795 Hattersheim am Main, Germany
Phone +49 (0)69 305 35 835
Fax +49 (0)69 305 98 35 835
www.kuraraynoritake.eu
centralmarketing@kuraray.com

- 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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Kuraray Noritake Dental Inc.
1621 Sakazu, Kurashiki, Okayama 710-0801, Japan
Website www.kuraraynoritake.com

