kuraray

Noritake

One Cement, All Restorations, No Primers

PANAVIA™ SA Cement Universal

PANAVIA SA Cement Universal is the 1st universal, self-adhering resin cement in dentistry. With its proprietary **DUAL-MONOMER TECHNOLOGY** it bonds to all restorations & tooth structure. This simplifies cementation procedures & eliminates the need for zirconia or silane/ceramic primers.

New LCSi Proprietary Silane Technology Bonds Directly to eMax® & All Glass-Based Ceramics (Lithium Disilicate, Lithium Silicate, Leucite & All Porcelains)

Silane Coupling Agents play an important role in the manufacturing of restorative composites, resin cements and bonding glass-based ceramics to tooth structure. Silanes react and bond with both inorganic glass (ceramics & fillers) & organic resins (cements, composites etc…).

The proprietary LCSi silane technology, only from Kuraray Noritake Dental, contains a Long Carbon Chain Silane monomer. This monomer, unlike traditional silanes, **reacts well in cement and composite pastes**. While in the PANAVIA SA Cement Universal B paste, it is inactive and has a **stable 3-year shelf-life**. When the pastes are mixed, the LCSi silane is activated and **creates a stable, durable bond to glass-based ceramics like lithium disilicate (eMax),** lithium silicate and all other porcelains, composites and hybrid ceramics.

"The novel silane-containing, self-adhesive composite cement possessed an efficient silane-coupling ability onto glass ceramics as well as good bonding ability onto dentin".[1]

eMax® & Glass-Based Ceramics

Composite & Hybrid Ceramics

The Original MDP Bonds to Dentin, Enamel, Zirconia, Titanium and Other Metals.

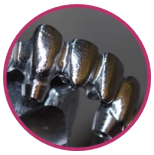
The Original MDP adhesive monomer was formulated and patented by Kuraray Noritake Dental in 1981. It is a very unique and versatile monomer that provides a strong, durable bond to:

Dentin, Enamel, Zirconia, Titanium & Metals.

Its self-adhesive performance has been documented in numerous research papers for over 35 years as the main ingredient in PANAVIA™ & CLEARFIL™ products. As the adhesive monomer in PANAVIA resin cements, it was the first resin cement/adhesive monomer to have a stable, durable bond to zirconia over 25 years ago. In the CLEARFIL bonding agents it has proven to provide the strongest, most stable dentin bonds as well. It is also the only MDP that can activate a silane monomer without additional water or acids, thus making PANAVIA SA Cement Universal, the ideal resin cement.

Dentin & Enamel

Zirconia



Titanium

1. The silane-coupling effect of a silane-containing self-adhesive composite cement, Yoshihara K, Nagaoka N, Yoshida Y, Van Meerbeek B

Simple Cementation Technique For All Restorations

Pre-Treatment of Restorations:

Glass-Based, Ceramic Restorations, Composites & Hybrid Ceramics[2]

Hydrofluoric Acid etch the internal of restorations
(with proper concentration of etch & time per manufacturer)
Rinse & Dry.

Zirconia, Metal & Composite & Hybrid Ceramic Restorations[2]

Air abrade internal surface of restorations
(with 50 µm Aluminum Oxide Powder at 14-59 PSI)
Clean intaglio with Katana Cleaner & Dry.

One Simple Procedure For All Restorations[3]

Inject Cement Into
Prepared Restoration

Seat Restoration

Tack-Cure 2-5 Seconds

Remove Excess Cement Easily

Final Curing:
Light-Cure: 10 Seconds
(Occlusal, Buccal, Lingual)

Self-Cure: 5 Min.

2. Composite/Hybrid Ceramics surface treatments vary by mfg. please follow mfg. recommended hydrofluoric acid etching or air abrading instructions.
3. These illustrations represent the basic technique for cementing indirect restorations. Please read and follow Instructions For Use before using.

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