

# USING PANAVIA™ SA CEMENT PLUS WITH ZIRCONIA

## Automix Self-Adhesive Resin Cement

Retention of zirconia-based ceramic restorations depends on mechanical roughening of the surface through sandblasting and chemical bonding with adhesive monomer in resin cements.



SELF-ADHESIVE RESIN CEMENT  
**PANAVIA SA Cement Plus Automix**

- Chemical Bonding to **Zirconia**
- Fast & Easy Clean-Up
- New Chemistry Provides High Performance Stronger Bond, Stable Room Temperature Storage, and Fast Light-curing Time
- Fluoride-releasing



SELF-ADHESIVE RESIN CEMENT  
**PANAVIA SA Cement Plus Automix**

The handling is a breeze. You need only about half as much pressure to apply your cement. Removing the excess cement is as easy as before. A cocktail of dual-cure technologies makes sure your cement cures quickly and creates a durable seal.

**CLEARFIL** Universal Bond Quick

CLEARFIL™ Universal Bond Quick can also be used in combination with PANAVIA™ SA Cement Plus Automix to enhance bond strength to tooth structure.








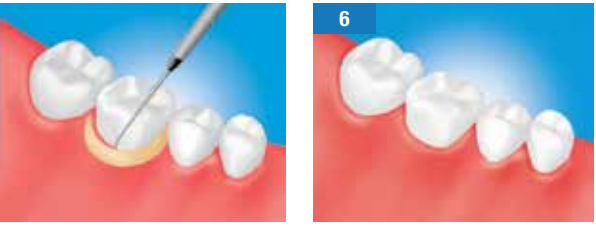
## MDP MONOMER ORIGINALLY FROM KURARAY NORITAKE DENTAL

An adhesive phosphate monomer such as **MDP** shows an excellent chemical bonding to zirconia-based ceramics. The phosphate ester group of the MDP monomer results in chemical bonding to metal oxides, zirconia-based ceramics and other ceramics. **PANAVIA™ SA Cement Plus includes the original MDP** adhesive monomer, which has exceptional bond strength based on research gathered over **15 years**. It is designed to have excellent bond strength and durability **to Zirconia**.

“...regardless of the conditioning methods, MDP-monomer based cements presented the most favorable values compared to those of other resin cements.”

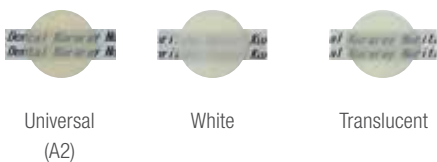
Systematic Review of Adhesion Studies on Zirconia  
M. Özcan, J Dent Res Vol #90 A: 374, 2011 www.iadr.org

## Basic Procedure for Zirconia Restorations with PANAVIA™ SA Cement Plus Automix

			
<p>Clean and dry the tooth surface, and then trial fit the zirconia restoration.</p>	<p>Blast with alumina powder (30-50µm, 0.1-0.4MPa / 14-58 PSI / 1-4kgf/cm2), then ultrasonic clean and dry.</p>	<p>Apply over the prosthetic restoration of the entire tooth surface within the cavity.</p>	<p>Place the crown.</p>
			
<p>Light cure for 2-5 seconds or chemical-cure for 2 to 4 minutes, then remove the excess cement</p>	<p>Maintain isolation for 5 minutes.*</p>		

\* For a translucent restoration, light-cure.

### SHADES



### SELF-ADHESIVE RESIN CEMENT PANAVIA™ SA Cement Plus Automix

PANAVIATM SA Cement Plus Automix Self-Adhesive Resin Cement

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