

ResiCem™

Universal Resin Cement

Specially designed for
Zirconia and Alumina Porcelains



SHOFU DENTAL CORPORATION
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SAN MARCOS CALIFORNIA

Excellent Adhesion and Aesthetics

As the percentage of all-ceramic restorations continues to grow and the demand for aesthetic dentistry increases, Shofu introduces ResiCem.

Modern framework materials, such as zirconia and alumina, require modified procedures, as well as appropriate instruments and tools, to work on and integrate all-ceramic restorations. Proper adhesive cementation is critical to the long-term clinical success of these highly aesthetic restorations.

ResiCem is an adhesive cementation system with outstanding physical properties for all types of framework and restorative materials.



Worry-free Zirconia Bonding

Designed Specially for Zirconia and Alumina

The AZ Primer has been exclusively developed for modern materials such as zirconia and alumina, and ensures outstanding bonding values between the restoration and the hard tooth structure. ResiCem has been shown in independent testing by Dr. Mark Latta, D.M.D., M.S. to provide distinctly superior bond strengths to zirconia.

The 6-MHPA monomer, specially adapted for high-performance porcelains, anchors itself permanently to the restoration and provides a consistently strong bond.

Customize to be Universal for All Materials

ResiCem can be expanded to become an all-purpose cementation system with the supplementary components that have been adapted to suit each class of material.

Use the Porcelain Primer for sintered and pressed porcelains and laboratory-made composite restorations. The tried and trusted ML Primer ensures secure bonding of precious and non-precious alloys.

Self-Conditioning and Fluoride Release

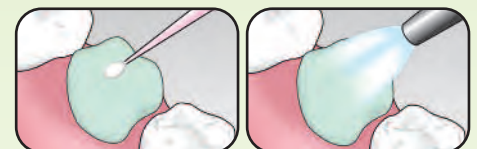
The laborious and demineralizing process of etching enamel and dentin is not required with ResiCem. After being mixed, the self-conditioning dental primers A and B gently penetrate the microstructures of the enamel and dentin. ResiCem paste also contains PRG (pre-reacted glass) fillers that reliably release and recharge fluoride. They remineralize the natural hard tooth substance and offer enhanced protection from caries.

Bonding Zirconia and Alumina Restorations

The use of ResiCem requires only a few steps. The preparative treatment of the restoration depends on the type of material to be bonded.



1. Sandblast restoration with 50 – 100 μm alumina sand at approximately 0.2 – 0.3 MPa
2. Apply AZ Primer and leave undisturbed for 10 seconds



3. Mix equal parts of Primer A and B. Apply and leave undisturbed for 20 seconds
4. Air-dry with soft air stream



5. Apply ResiCem
6. Insert the restoration, remove excess material and light-cure



Compellingly Simple

The film thickness of only 9 microns provides a very good margin fit with maximum bonding strength. The final position of the restoration is easily achieved without causing bite elevation.

The very small syringe tip improves direct application and minimizes excess cement. The innovative double-push syringe ensures that the paste is always mixed precisely and automatically.

The consistency of the paste ensures simple application. Thanks to its stability, excess material can be easily removed without smearing or sticking.



ResiCem immediately after placing restoration

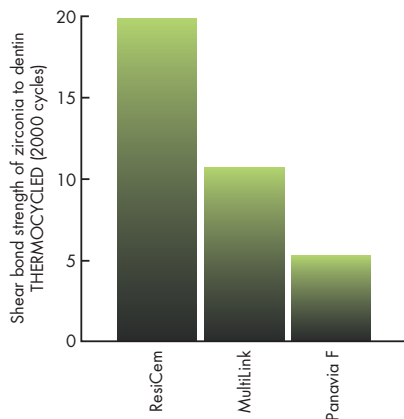


ResiCem two minutes after placing restoration

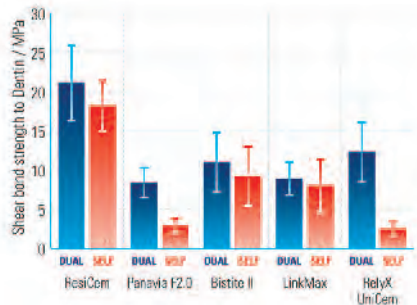
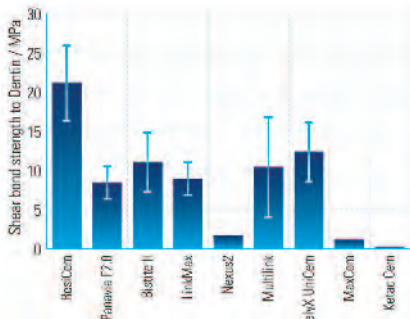
Long-Lasting Results

Superior Adhesion to Zirconia

Shear bond strength study by Dr. Mark Latta, D.M.D., M.S., 2008*



High Bond Strengths in Dual-Cure or Self-Cure



Shear bond strength of luting systems with dentin and zirconia**

Self-curing compared to light-curing**

*Source: Dr. Mark Latta, D.M.D., M.S., 2008. **Source: Internal data from Shofu Dental. All trademarks belong to their manufacturers.

Aesthetic Color

ResiCem paste "Clear" is translucent and facilitates highly aesthetic and natural-looking restorations without influencing the color, regardless of thickness.

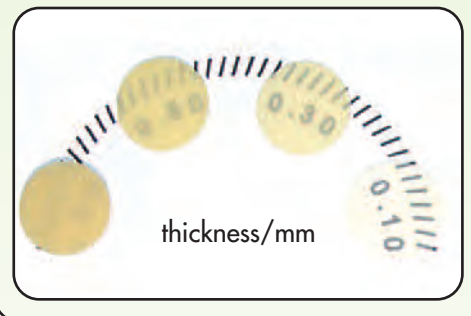
ResiCem Clear



Competitor product A



Competitor product B



RESICEM™



RESICEM BASIC KIT (PN 3220)

Contains: 2 syringes 5ml, Primer A 3ml, Primer B 2.5ml, 20 tips, 50 fine microtip handles, 1 fine microtip applicator and petit dish

SINGLE COMPONENTS



RESICEM (PN 3221)

Contains: 1 syringe 5ml and 10 mixing tips



PRIMER A (PN 3227)

Contains: 3ml



PRIMER B (PN 3228)

Contains: 2.5ml



AZ PRIMER (PN 3232)

For zirconia restorations

Contains: 5ml



PORCELAIN PRIMER (PN 3234)

For porcelains and indirect composites

Contains: 5ml



ML PRIMER (PN 1740)

For alloys

Contains: 5ml




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