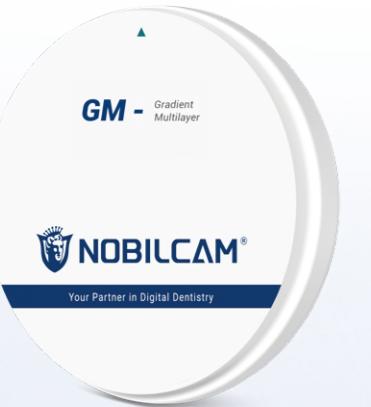
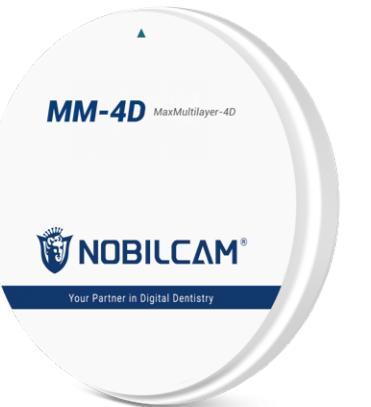


Recommended Zirconia for One-stop Bonding Solution



MM-4D

Strength: 800 - 1200MPa
Translucency: 43% - 53%

- Optimal for full-arch implant restorations with precise fit
- Excellent opacifying ability on cervical side
- Achieve 6.6h for full arch fast sintering

GM

Strength: 700 - 1050MPa
Translucency: 43% - 57%

- High translucency, no porcelain needed
- Seamless transition through special filling technology
- Achieve 95 min for long bridge fast sintering

*Data from VinciSmile lab.

In order to reach the ultimate bond results, we recommend you to pair TopCEM Dual Cure Resin Cement with:



HugeBond Universal FliPro

- 8th generation light cure dental adhesive with MDP for ultimate bond performance
- Provides reliable bond strength even after 10,000 thermal cycling to various materials
- One-handed cap design with auto-retraction and precise dispensing increase material utilization by approximately 40%*

Alternatively, you may also choose:

TopCEM-Ceramic Primer

- Silane-based formulation with fast silane evaporation
- A universal primer suitable for multiple restoration interfaces
- Compatible with light-cured or dual-cured resin cements

*Data from VinciSmile lab.

If you are looking for a time-saving, one-step, no primer solution, head to:



(*Coming Soon)



TopCEM Vigor SA

Self-Adhesive Resin Cement

- MDP formula for high bond strength
- Bond strength after 5000 thermal cycling between zirconia and Ti ≥ 20 MPa
- Great masking ability to cover the color of base

TopCEM-RMGI

Resin Modified Glass Ionomer Cement-Luting

- High-performance cementation of PFMs, metal crowns, all-alumina or all-zirconia strengthened core ceramic restorations to implant abutments

*Data from VinciSmile lab.

VinciSmile®

TopCEM One-Stop Solution For Zirconia Bonding

Lab-Grade Precision. Clinical-Grade Performance.



TopCEM Dual Cure Resin Cement is a truly versatile and high-performance dental dual-cure luting resin cement, capable of both chemical and light cure. Its versatility is reflected not only in its ability to bond to all types of materials, but also in its suitability for both chairside and labside. For dentists, it serves as an ideal luting cement designed for permanent and intraoral cementation; for lab technicians, it delivers excellent cementation results when bonding hybrid abutments and restorations.

HUGE

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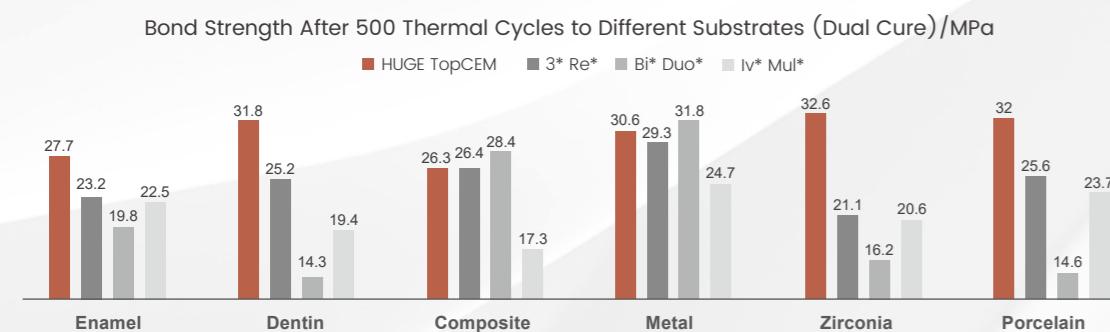
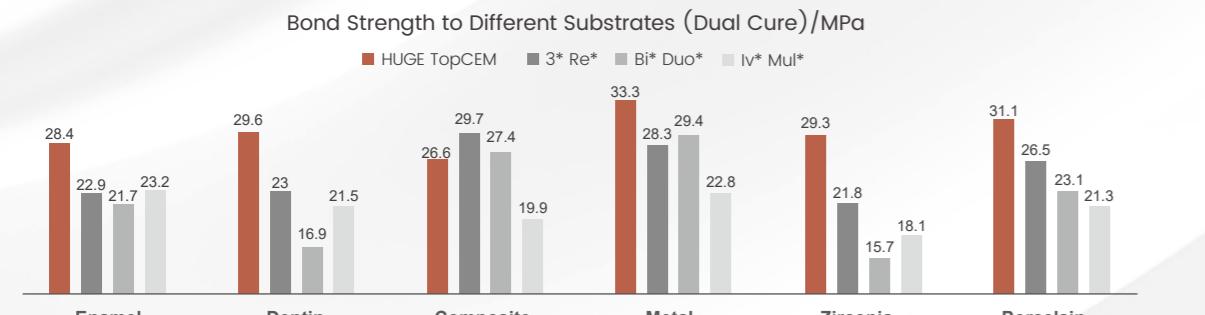


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v1.0-2025.11

Reliable Bonding

- Bond strength between zirconia and abutment: ≥ 25 MPa
- Bond strength after 5,000 thermal cycles ≥ 20 MPa



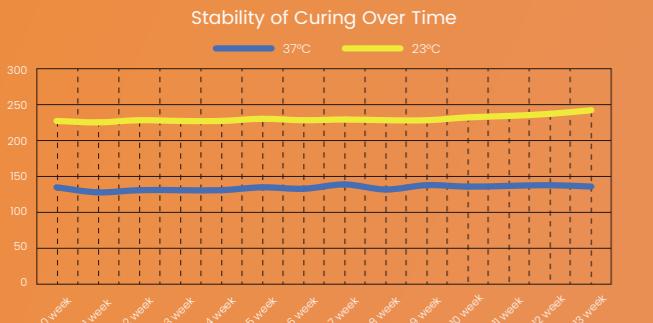
*Data from VinciSmile lab.



PTHP is an innovative redox self-stabilizing technology developed by VinciSmile. By precisely controlling the oxidation state, it ensures stable physical and chemical properties, while significantly minimizing the effects of high temperature and long storage duration.

Outstanding heat resistance

- Minimizes temperature sensitivity and prevents premature curing

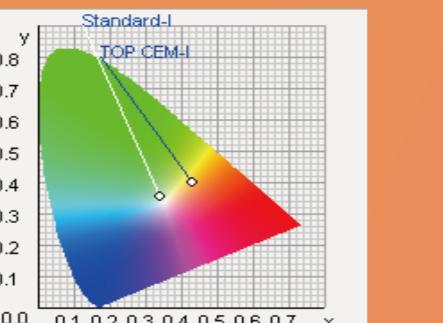


- Proven stability — TopCEM cures normally after over 13 weeks at 37 °C

*Data from VinciSmile lab.

Exceptional color stability

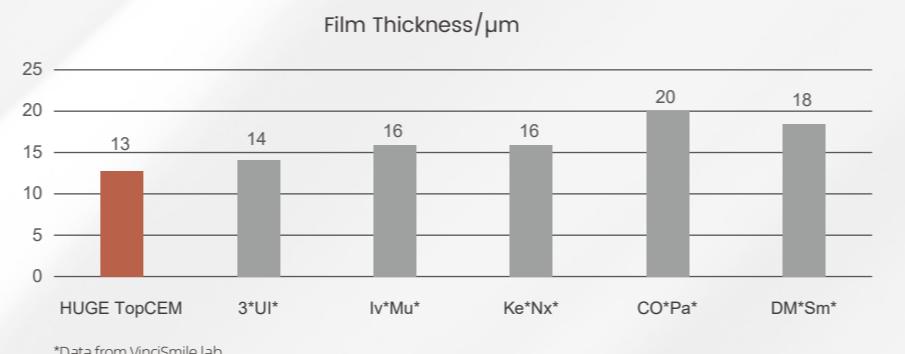
- Achieves outstanding color consistency from pre-to post-curing, ensuring the most natural and aesthetic results



- Shade stability test — $\Delta E < 1$, suggests almost no visible color difference, and the variation is barely perceptible to the naked eye

Great Aesthetics

- With PTHP, the final result stays true with the shade of Ti-base well-masked
- HUGE Zirking MM-4D Zirconia disk provides restorations that look naturally beautiful



Compatible with Autoclave Sterilization

Autoclaving zirconia and titanium abutments before bonding helps remove organic contamination, restore surface energy, enhance bond reliability, and ensure sterility prior to clinical use.

Using HugeBond together with TopCEM to bond zirconia and titanium abutments resulted in an initial bond strength of 42.8 MPa. After 5,000 thermal cycles, the bond strength was 31.5 MPa, and after autoclave sterilization at 130 °C for 15 minutes, the bond strength remained at 33.0 MPa. This suggests that zirconia–titanium abutments bonded with HugeBond and TopCEM are compatible with autoclave sterilization, all while reliable bond performance ensured.

*Data from VinciSmile lab.

Technical Parameters--TopCEM	
Flexural Strength/ MPa	125.8
Compressive Strength/ MPa	344.5
Film Thickness/ μ m	13
Elasticity Modulus/GPa	8.52
Solubility/ μ g/mm ³	0.6
Water Absorption/ μ g/mm ³	16
Radiopacity/% Al	400
Working Time at 23 °C/s	169
Setting Time at 23 °C/s	150
Shelf Life	2 years

*Data from VinciSmile lab.



CEMENTATION PROCEDURE: LABSIDE SCREW RETAINED CROWN

1. Preparation/Pre-treatment of restorations



Apply TopCEM Ceramic Primer to the inner surface.
Dry with oil-free air to remove the solvent.
TopCEM prepared.

2. Cementation of Implant Crown



Apply the cement to coat the surface with brush.
Seat the crown to the abutment.
Light cure excess cement in the margin for 2 seconds, remove and clean.
Light cure each side for 10s, or wait for 10 minutes.