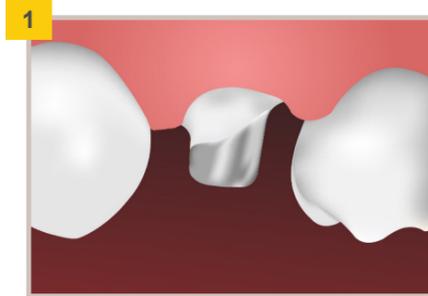
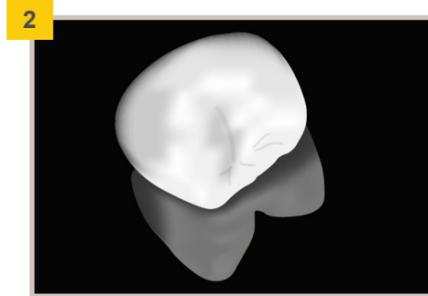


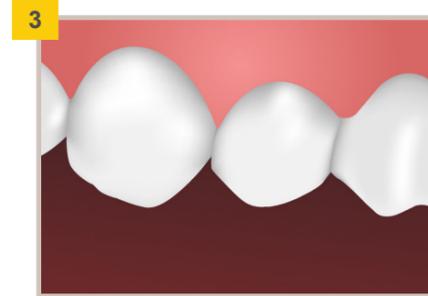
## TheraCem Ca Technique



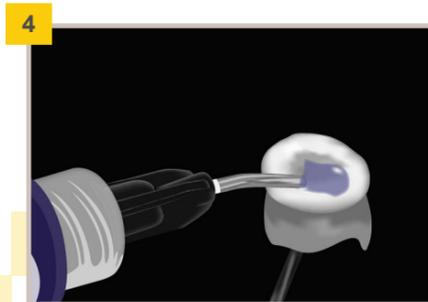
1 Cast metal post and core cemented on the first upper left bicuspid.



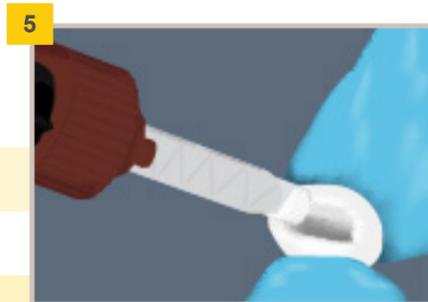
2 A CAD/CAM zirconia restoration was fabricated.



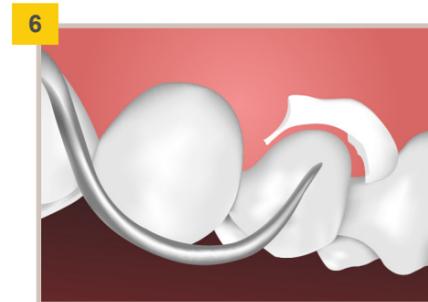
3 Restoration tried-in to check proper fit and occlusion.



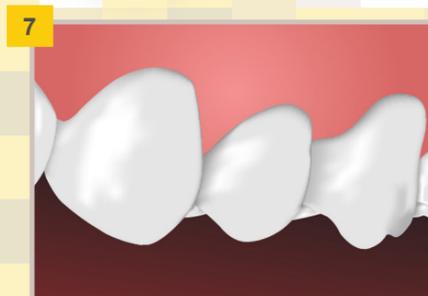
4 ZirClean® applied for 20 seconds to remove surface contaminants, then rinsed and dried.



5 TheraCem Ca dispensed into the intaglio surface of the restoration.



6 The restoration was seated, tack cured, and excess cement removed.



7 Final restoration.

### Ordering Information

#### TheraCem Ca Single Dual-Syringe Package

1 Dual-Syringe (8g), 15 Mixing Tips and Intraoral Tips, Instructions

Natural Shade.....D-46501P



MC-2241TCI



www.bisco.com

# TheraCem® Ca

CEMENTATION. THE THERA WAY.



Rx Only

# TheraCem<sup>®</sup> Ca

Self-Adhesive Resin Cement

■ DUAL-CURED

■ EASY APPLICATION

■ RADIOPAQUE

■ ALKALINE pH



## The NEXT GENERATION of Cements!

**TheraCem Ca** is a dual-cured, calcium-releasing, self-adhesive resin cement indicated for luting crowns, bridges, inlays, onlays and posts (prefabricated metal/nonmetal/fiber posts). It is the first BISCO cement to incorporate the THERA technology.

TheraCem Ca has continuous release of calcium ions.\* It is at first acidic, which is needed for initial bonding, but becomes alkaline within minutes.\*

The MDP monomer containing formula promotes adhesion that enhances the bond strength to zirconia, metal, and the tooth structure without the use of an additional dental adhesive or primer. Additionally, it offers a high degree of conversion for increased strength and high radiopacity for differentiation on radiographs.

TheraCem Ca's single step procedure makes cementation to zirconia easier than ever before.



**Calcium Releasing**  
Continuous ion release\*



**High Degree of Conversion**  
Ensures a higher physical strength



**Alkaline pH**  
Transitions from acidic to an alkaline pH in minutes\*



**Easy to Use**  
Auto-mix, dual-syringe provides a consistent mix for immediate delivery



**Easy Clean-Up**  
Specifically formulated to allow for quick and easy removal of cement



**Strong Bond to Zirconia**  
Delivers a strong bond to zirconia and most substrates with no priming or etching required



**MDP**  
TheraCem Ca contains MDP which allows to bond to zirconia, metal and alumina substrates without the use of an additional primer



**Dual-Cured**  
Material will cure even in deep restorations where light cannot reach



**Self-Adhesive**  
No bonding agents required

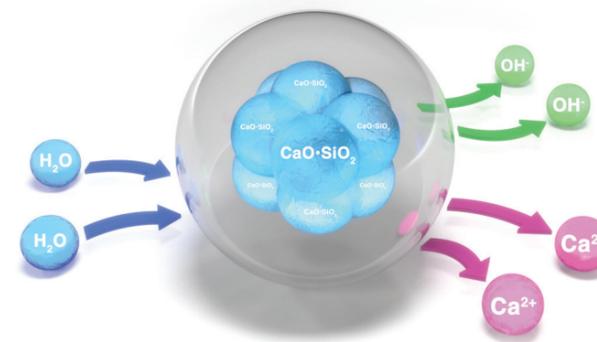


**Highly Radiopaque**  
Easy to identify on radiographs for quick and effective diagnosis



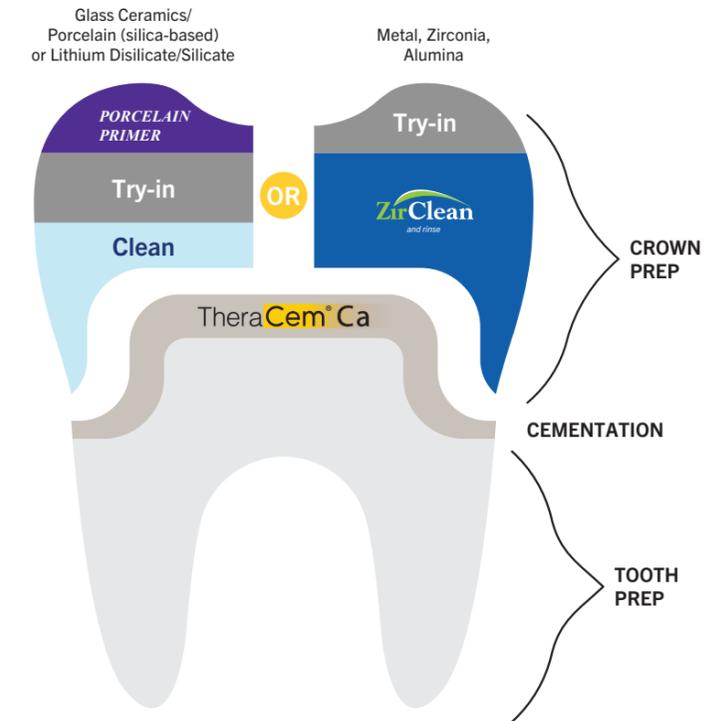
\* Data on file. BISCO, Inc.

### THERA HYDROPHILIC MATRIX

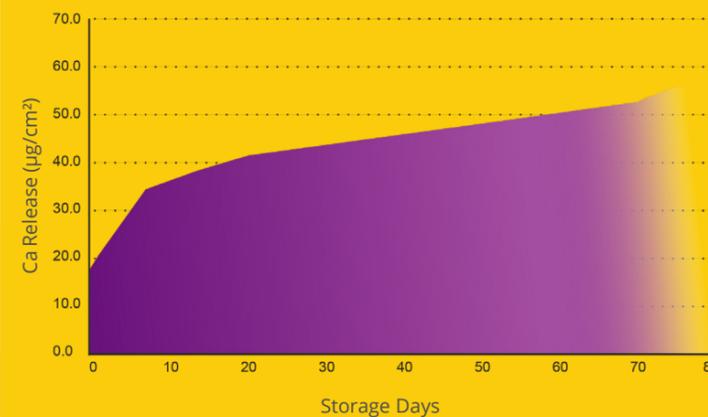


BISCO has developed a hydrophilic matrix that allows for ion exchange. Previous or traditional resin matrices have been hydrophobic, but BISCO's matrix allows for ion exchange (as water goes into the matrix, whereby calcium hydroxide ions are released).

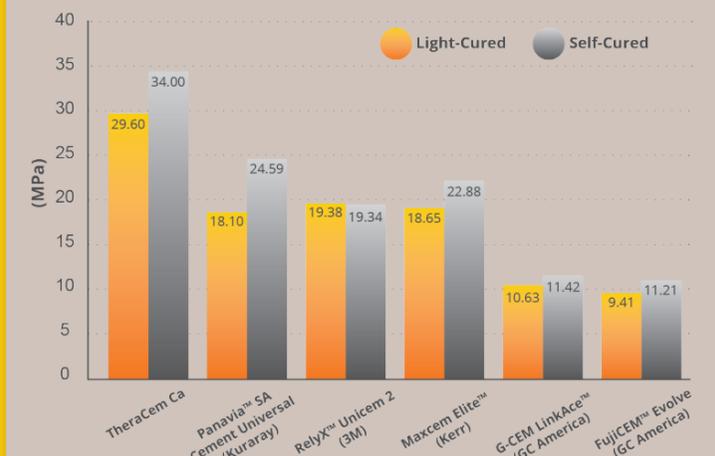
### TheraCem Ca Technique



### TheraCem Ca Continuous Calcium Release\*



### Shear Bond Strength to Zirconia



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