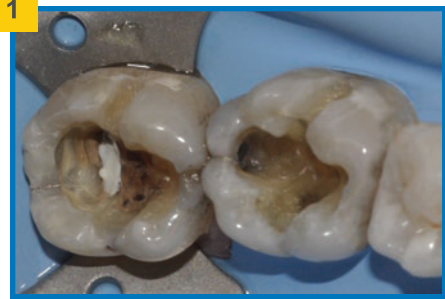


## TheraBase Case

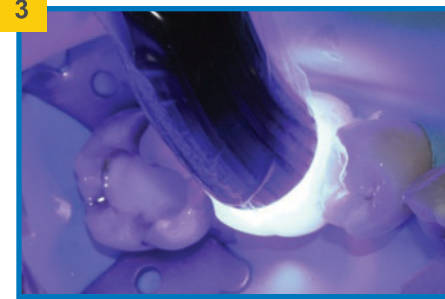
Dentistry courtesy of Dr. Raul Euan DDS



After cavity preparation, all water was removed using a stream of air, leaving the surface visibly moist. TheraCal LC was applied on small pulp exposure and light-cured for 20 seconds.



TheraBase was applied to the dentin surface of the prepared cavity directly from the dispensing syringe.



TheraBase was light cured for 20 seconds. If desired, TheraBase can be allowed to self-cure for 4 minutes.



A selective-etch bonding technique was used to condition the surface of the preparation. Any bonding technique can be applied.



All-Bond Universal® was applied following manufacturer's instructions.



Restorations were filled with a light-cure composite material following manufacturer's instructions.

### Ordering Information

TheraBase Single Syringe Pack.....H-35001P  
1 Syringe TheraBase (8g), Accessories, Instructions

Auto-Mix Cannula Tips (30).....X-81270P

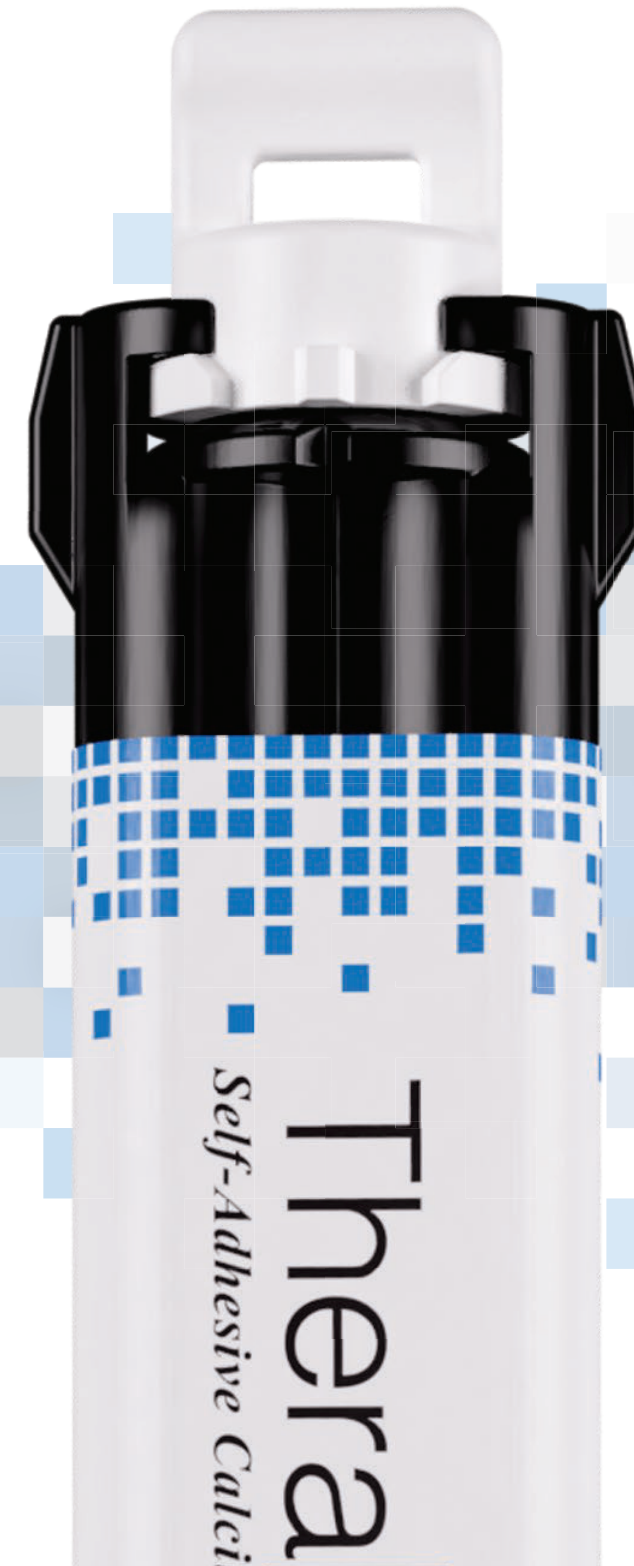
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# TheraBase™

BASE AND LINER. THE THERA WAY.

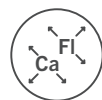


## New to the THERA family

TheraBase is a dual-cure, calcium and fluoride releasing, self-adhesive base/liner. Utilizing the THERA technology, TheraBase chemically bonds to tooth structure, and releases and recharges calcium and fluoride ions.<sup>1</sup> TheraBase's calcium release generates an alkaline pH which promotes pulp vitality.<sup>2</sup> It is a dual-cured material that will polymerize even in deep restorations where light cannot reach.

TheraBase is stronger and more durable than other base materials, glass ionomers and resin-modified glass ionomers.\* Additionally, it is radiopaque allowing for easy identification on radiographs, providing a quick and effective diagnosis.

### TheraBase Benefits



#### Releases Calcium and Fluoride

Continuous release of Calcium and Fluoride ions<sup>1</sup>



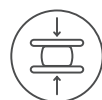
#### Self-adhesive

No bonding agents required - Save time and money



#### High flexural strength

Stronger and more fracture resistant



#### High compressive strength

Absorbs shock and stress from occlusal forces without fracturing



#### Contains MDP

Contains the adhesion promoting monomer MDP, ensuring reliable and optimal bond to dentin<sup>3</sup>



#### Easy to use

Auto-mix, dual-syringe provides a consistent mix for immediate delivery with zero to minimal waste of material.



#### Dual-Cured

Material will fully cure even in deep restorations where light cannot reach.



#### Alkaline pH

Generates an Alkaline pH (pH=11\*) in minutes, which promotes pulp vitality<sup>2</sup>



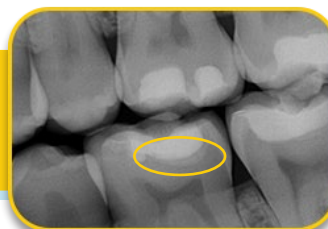
#### High degree of conversion

Ensures enhanced physical properties



#### Radiopaque

TheraBase is radiopaque allowing for identification on radiographs and effective diagnosis.



\* Data on file.

<sup>1</sup> Gleave CM, Chen L, Suh BI. Calcium & fluoride recharge of resin cements. Dent Mater. 2016 (32S):e26

<sup>2</sup> T. Okabe, M. Sakamoto, H. Takeuchi, K. Matsushima. Effects of pH on Mineralization Ability of Human Dental Pulp Cells. Journal of Endodontics. Volume 32, Number 3, March 2006.

<sup>3</sup> Hydrolytic stability of self-etch adhesives bonded to dentin, S Inoue 1, K Koshiro, Y Yoshida, J De Munck, K Nagakane, K Suzuki, H Sano, B Van Meerbeek, Journal of Dental Dentistry, December 2005

### THERA HYDROPHILIC MATRIX

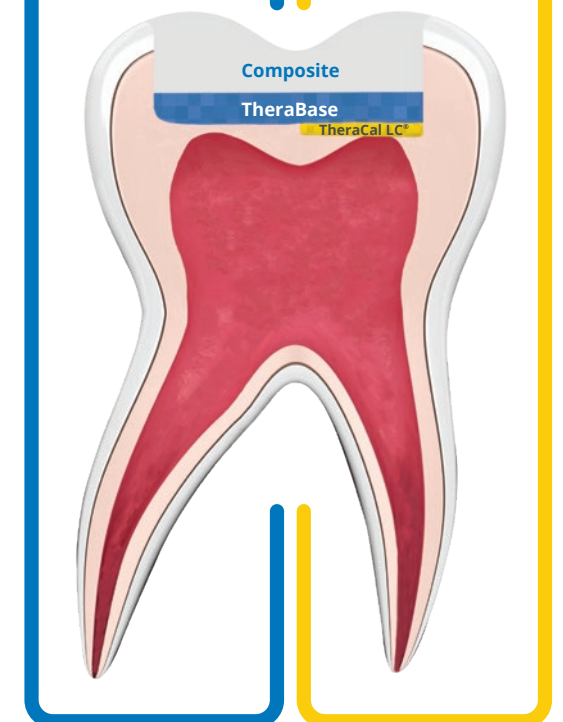


BISCO has developed a hydrophilic matrix that allows for ion exchange. Previous or traditional resin matrices have been hydrophobic, but BISCO's matrix allows for ion exchange as water goes into the matrix, reacts, and calcium hydroxide ions and fluoride ions are released.

At the calcium-rich interface between TheraBase and the dentin, an alkaline pH environment is created.

### NO Pulp Exposure

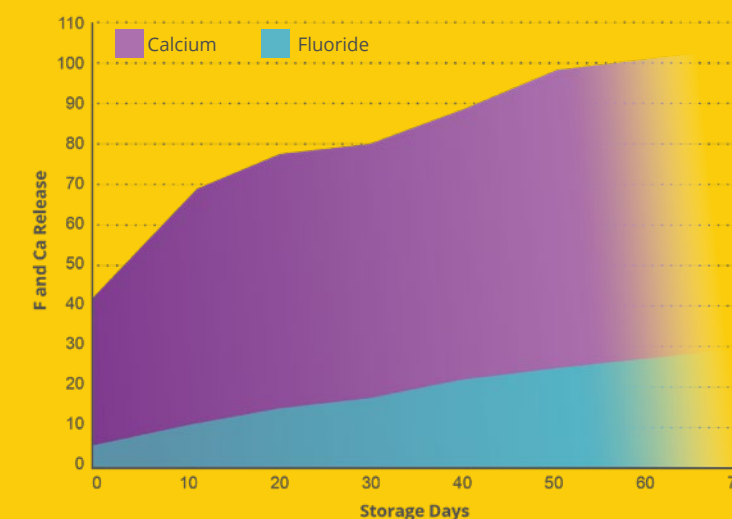
### Pulp Exposure



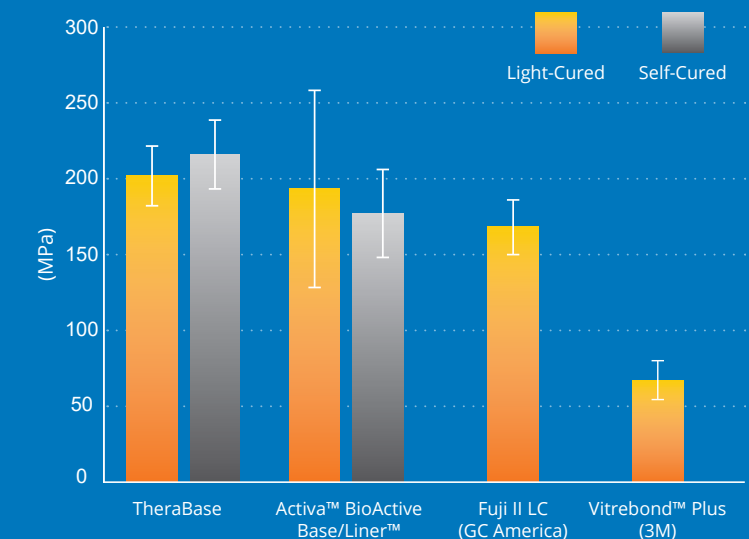
In deep restorations and when pulp exposure occurs, BISCO recommends the use of TheraCal LC for direct and indirect pulp capping and as a liner.

Both TheraBase and TheraCal LC can be used together in a sandwich technique case scenario for optimum calcium and fluoride release benefits and ultimate pulp protection.

### TheraBase Continuous Fluoride and Calcium Release<sup>1</sup>



### Compressive Strength



Trademarks are property of their respective manufacturers. Fuji II LC and Vitrebond Plus are light-cured only materials.