TheraBase® Ca

BASE AND LINER. THE THERA WAY.

BISCO

Rx Only

TheraBase® Ca

Self-Adhesive Calcium Releasing Base/Liner

New to the THERA family

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

TheraBase Ca 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 Ca Benefits

Releases Calcium
Continuous release of calcium ions*[1]

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[3]

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 in minutes, which promotes pulp vitality[2]

High Degree of Conversion
Ensures enhanced physical properties

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

* Data on file.

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

2 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.

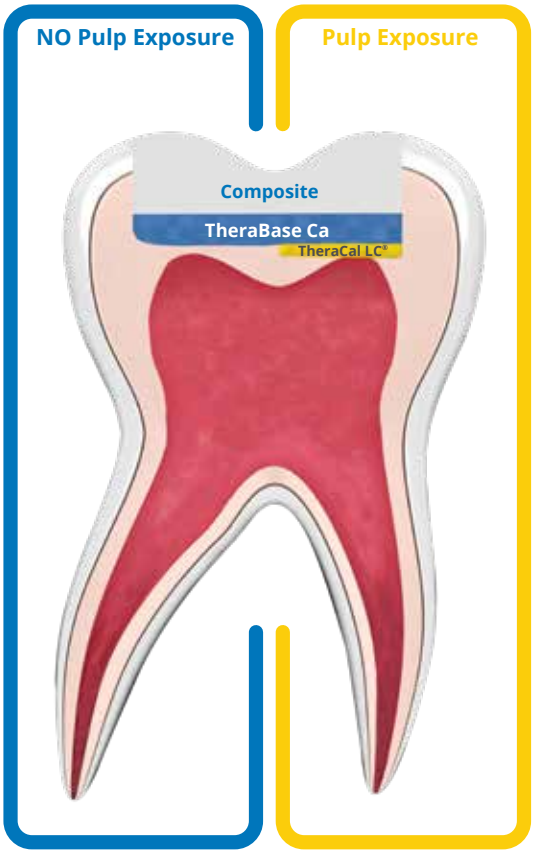
3 Hydrolytic stability of self-etch adhesives bonded to dentin, S Inoue 1, K Koshiro, Y Yoshida, J De Munck, K Nagakane, K Suzuki, H Sano, B Van Meerbeek, Journal of Dental Dentistry, December 2005

■ DUAL-CURED ■ EASY APPLICATION ■ RADIOPAQUE ■ ALKALINE pH

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 are released.

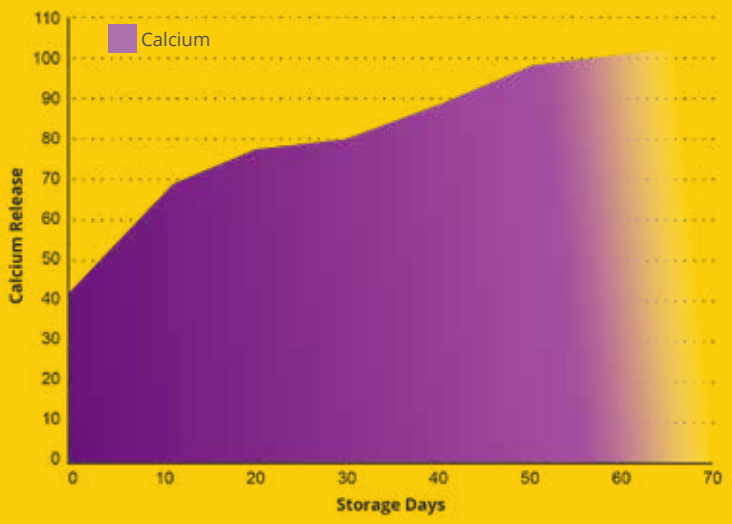
At the calcium-rich interface between TheraBase Ca and the dentin, an alkaline pH environment is created.



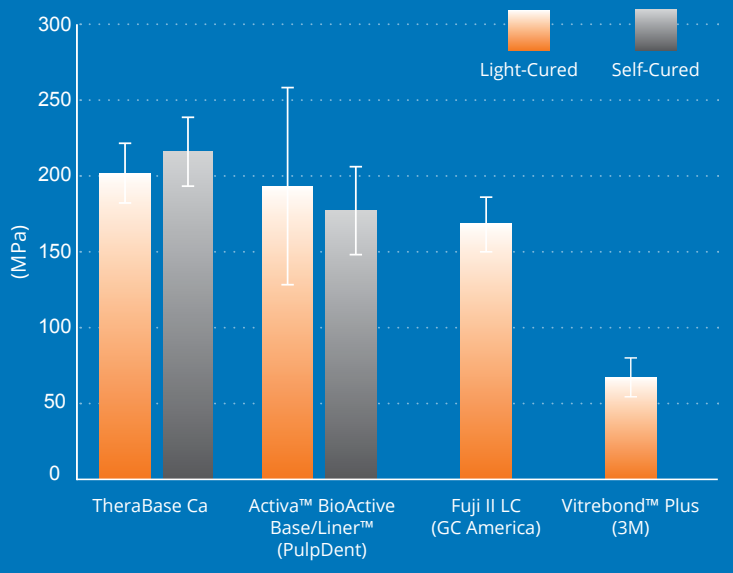
In deep restorations and when pulp exposure occurs, BISCO recommends the use of TheraCal LC for direct and indirect pulp capping and as a liner.

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

TheraBase Ca Continuous Calcium Release[1]



Compressive Strength



Fuji II LC and Vitrebond Plus are light-cured only materials.

TheraBase Ca Technique

1

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.

2

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

3

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

4

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

5

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

6

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

Ordering Information

TheraBase Ca Single Syringe Pack **H-35010P**
1 Syringe TheraBase Ca (8g), Accessories, Instructions

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

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