

TheraCem® Ca

Self-Adhesive Resin Cement

Instructions for Use



BISCO

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IN-231R2

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Patent Pending

Caution: U.S. Federal law restricts this device to sale by or on the order of a licensed dentist.

TheraCem® Ca
Self-Adhesive Resin Cement

GENERAL INFORMATION

TheraCem Ca is a self-curing, self-adhesive, dual-cure luting cement that is exclusively formulated for luting crowns, bridges, inlays, onlays and composite metal restorative posts, as well as cast posts. TheraCem Ca is a past/paste-like consistency, resinous, luting cement which requires no etching, no priming or bonding of the prepared surfaces. It is easy-to-use, requires only a short chair time, and produces a good bond to most dental materials. The cement is available in a Natural shade. It is radiopaque, allowing for easy identification on radiographs.

Indications for Use:

Use TheraCem Ca to cement the following:

1. Metal crowns, bridges, inlays, onlays (includes porcelain-fused-to-metal and composite-to-metal)

2. Porcelain, Ceramic Crowns, inlays, and onlays (includes alumina and zirconia)

3. Resin crowns, bridges, inlays, and onlays (resin-based composite/composite-ceramic hybrid)

4. Composite resin posts (cast) and non-metallic endodontic posts

5. Impacted supported restorations

6. Orthodontic Appliances (brackets, bands)

Contraindication:

TheraCem Ca is not recommended for veneer cementation.

NOTE: It is recommended to use CHOICE™ 2 for veneer cementation.

Warnings:

• Avoid contact with the skin; unpolymerized (meth)acrylates resins may cause skin sensitization in susceptible persons. In case of contact, wash skin with soap and water.

• Saliva and oral fluid contamination will seriously compromise dentin bonding.

Cautions:

• Cross-contamination: Product may contain items that are designed for one time use. Dispose of used or contaminated accessories. Do not reuse.

Precautions:

• Do not use Setting Times will be accelerated in the warm intraoral environment.

• Do not use hydrogen peroxide, EDTA, or eugenol containing materials prior to the adhesive procedure as these materials may inhibit bonding.

• Since ceramics and porcelains vary greatly, it is important to consult with the ceramic/or porcelain manufacturer or your laboratory for instructions on proper surface treatment and proper prep design prior to using TheraCem Ca.

• Unpolymerized resins may cause skin sensitization in susceptible persons. Avoid contact with the skin. In case of contact with the skin, wash skin with soap and water.

• To prevent polymerization of the dual-Syringe static mixing tip should be left in place until the next application. If used intracally, it should be wiped with disinfectant prior to storage.

• See individual component labels for specific expiration dates.

• Safety data sheet available on request.

• Safety data sheet available at www.Bisco.com.

TECHNICAL INFORMATION

Working Time: Minimum 1 minute (includes mixing) at 22°C (71.6°F)

Setting Time: Maximum 5 minutes at 37°C (98.6°F)

Working time and setting time may vary based on storage conditions, temperature, humidity, etc.

INSTRUCTIONS FOR USE

For Crowns, Bridges, Inlays and Onlays

NOTE: TheraCem Ca is a self-adhesive cement which does not require etching or priming of the prepared surfaces.

Preparation Procedure:

1. Remove the temporary restoration and any temporary cement residue.

2. Try-in the final restoration to ensure proper fit.

3. Clean the preparation with water and Rinse thoroughly.

4. Remove all surface water using a strong stream of air on the preparation for 3 to 5 seconds. Do not desicate. (Protect the preparation from contamination. When applicable, use of a rubber dam is recommended.)

Cement Mixing Procedure:

1. Remove the syringe cap or nozzle and discard the mixing tip from the dual-syringe.

2. Dispense a small amount of material onto a mixing pad to eliminate any voids in each chamber of the dual-syringe.

3. Attach a mixing tip to the dual-syringe by lining up the key and keyway. Then turn the brown locking mechanism clockwise.

4. Pressing the plunger will mix and dispense the TheraCem Ca. (See "TECHNICAL INFORMATION" Section for Working and Setting Time information.)

Cementation Procedures:

1. Apply cement to the internal surfaces of the restoration. For inlays, it may be easier to apply the cement to the tooth preparation.

2. Seal the restoration and remove any excess cement. HINT: To aid in the removal of excess cement, initially light cure the margins for 2-3 seconds.

3. Light cure for 20-30 seconds, or allow to self cure. (When using self-cured mode, light curing the margins even briefly will expedite the final set.)

HELPFUL HINTS

• TheraCem Ca left on a mixing pad may not appear to set. This is due to oxygen inhibition of the polymerization process. Rest assured the cement will polymerize (set) in a natural fashion under the restoration.

For Posts (prefabricated, metal, cast and non-metallic/fiber) posts

NOTE: TheraCem Ca is a self adhesive cement which does not require etching or priming of the prepared surfaces.

Preparation Procedure:

1. Remove the temporary restoration and any temporary cement residue.

2. Seal the post space per post manufacturer's instruction. Etching and bonding agents are not required.

3. Clean post per manufacturer's instructions.

4. Pressing the plunger will mix and dispense the TheraCem Ca. (See "TECHNICAL INFORMATION" Section for Working and Setting Time information.)

Procedure for self-curing:

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