



MINIMIZE MICROLEAKAGE  
PROTECT MARGINAL INTEGRITY, NATURALLY.

## Calibra® Bio

Bioceramic Luting Cement

Bioactive cement.

Self-repairing hydroxyapatite (HA) layer.

For long lasting marginal integrity, naturally.



# 27.8%

of crown procedures are replacements of existing crowns.<sup>1</sup>

Restorations often fail when marginal integrity is compromised due to microleakage.

Minimize microleakage.  
Protect marginal integrity.  
Naturally.

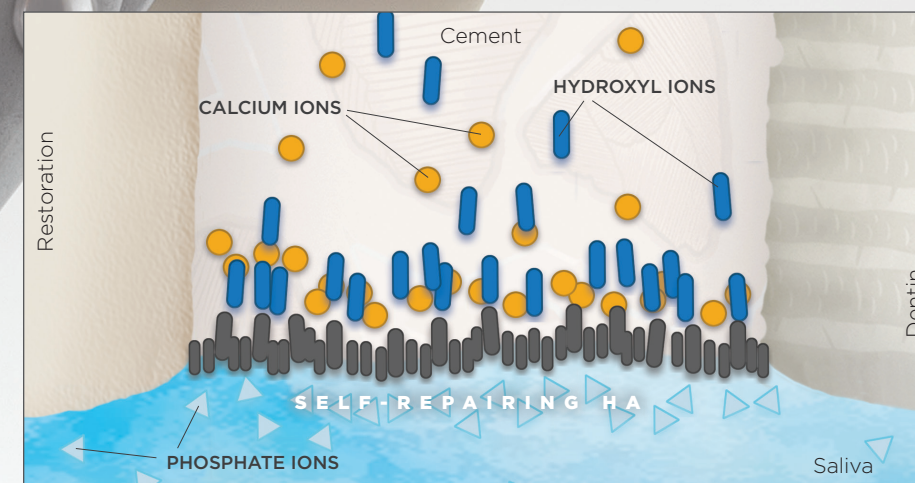
## **NEW!** Calibra® Bio Bioceramic Luting Cement

Calibra® Bio Cement's new bioactive chemistry works naturally within the oral environment to form a **self-repairing layer of hydroxyapatite** (HA) for improved marginal integrity by minimizing microleakage.

And its unique calcium aluminate ionomer (CAIO) chemistry, combining calcium aluminate and glass ionomers, delivers **seamless adaptation** towards the tooth structure.



### BIOACTIVE CHEMISTRY FOR A GOOD MARGINAL SEAL



Calcium ions ● + Hydroxyl ions ■ + Phosphate ions ▲ = HA ▬

### Self-repairing hydroxyapatite (HA)

Calibra® Bio Cement contains calcium and hydroxyl ions that interact with phosphate ions in saliva. HA forms along the preparation's margin where the cement interfaces with saliva in the oral environment. The HA creates a layer that continuously self-repairs if any damage occurs.

### Seamless adaptation

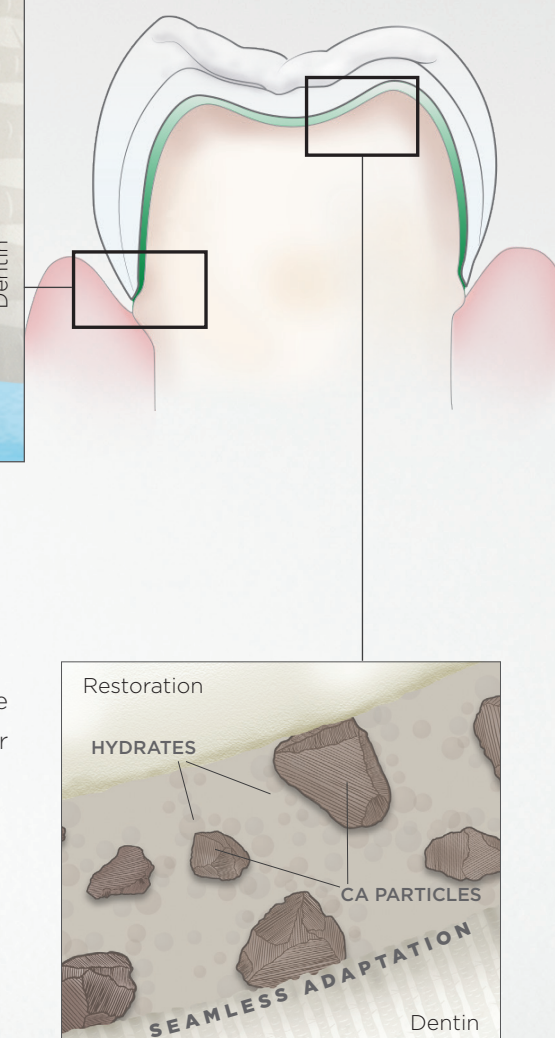
When Calibra® Bio Cement reacts with water, calcium aluminate particles in the cement dissolve, releasing calcium and aluminate ions. When the level of calcium and aluminate ions reaches a sufficient concentration, hydrates crystallize around remaining CA particles, creating a seamless adaptation towards the tooth structure at the cement-tooth interface.

### SIMPLICITY AND EASE OF USE

Calibra® Bio Bioceramic Luting Cement makes it easier to **achieve successful results.**

- No priming or bonding agent is needed, saving time and steps
- Good flowability and consistency with low expansion and no shrinkage
- Works well with Zirconia - simple protocol with good retentive strength
- Good retentive strength comparable to self-adhesive resin cements
- Same easy cleanup as other Calibra® cements

### BUILT AND PROTECTED BY BIO.



### a three year study

shows excellent marginal integrity, no marginal discolorations, no subject sensitivity, no secondary caries, and no loss of retention over time.<sup>2</sup>

1. Source: 2015 The Key Group Omnibus Dental Survey, Quarter 3  
2. Jefferies SR, Pameijer CH, Appleby DC, Boston D, Lööf J: A Bioactive Dental Luting Cement: Its Retentive Properties and 3-Year Clinical Findings. Compend Contin Educ Dent. 2013 Feb; 34 Spec No 1:2-9.



# Calibra® Bio

## Bioceramic Luting Cement



### Ordering Information

**607601 INTRODUCTORY KIT**  
7 Capsules (334mg powder, 196mg liquid ea)  
1 Capsule Extruder 2



**607604 CAPSULE REFILL**  
14 Capsules (334mg powder, 196mg liquid ea)



**606.06.596 CAPSULE EXTRUDER 2**  
1 Capsule Extruder 2



**5546068 DENTSPLY SIRONA CAPSULE MIXER**  
for the trituration of encapsulated dental restorative materials.



### Other Great Calibra® Cements

**CALIBRA® CERAM ADHESIVE RESIN CEMENT**  
Syringe Refill - 1 Dual Cure Syringe (4.5g), 10 Mixing Tips

- 607191 ● Light
- 607192 ● Medium
- 607194 ● Translucent
- 607195 ● Opaque
- 607196 ● Bleach



**CALIBRA® UNIVERSAL SELF-ADHESIVE RESIN CEMENT**  
Syringe Refill - 2 Dual Cure Syringes (4.5g ea), 20 Mixing Tips

- 607402 ● Light
- 607403 ● Medium
- 607405 ● Translucent
- 607406 ● Opaque
- 607407 ● Bleach



**CALIBRA® VENEER ESTHETIC RESIN CEMENT**  
Syringe Refill - 1 Light Cure Syringe (2g)

- 607201 ● Light
- 607202 ● Medium
- 607204 ● Translucent
- 607205 ● Opaque
- 607206 ● Bleach



**CALIBRA® VENEER ESTHETIC RESIN CEMENT TRY-IN PASTE**  
Syringe Refill - 2 Light Cure Syringe (1.8g)

- 607301 ● Light
- 607302 ● Medium
- 607304 ● Translucent
- 607305 ● Opaque
- 607306 ● Bleach



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