CLINICAL EVALUATION

BioSeal™

Essential Dental Systems www.edsdental.com/BIOSEAL

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DENTAL ADVISOR ++++½

29 CLINICAL EVALUATORS

225 TOTAL USES

91% CLINICAL RATING

Key features: Bioceramic • Antibacterial • Highly radiopaque

Description

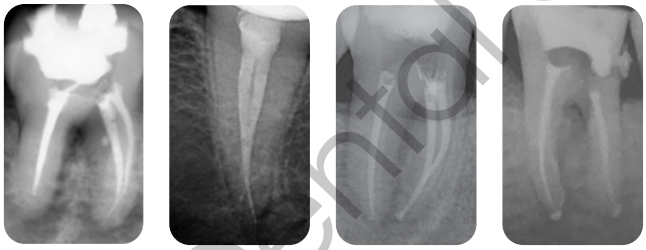
BioSeal™ is a ready-to-use, injectable, bioceramic endodontic sealer. It is an insoluble, radiopaque material based on calcium silicate and calcium phosphate, which requires the presence of water to set and harden.

Indications

Permanent root canal filling and sealing applications.

Unique Attributes

- Combines calcium silicate, calcium phosphate, bioactive glass, chlorhexidine, and biomimetic polymers
- Hydroxyapatite producing
- Antibacterial
- Hydrophilic
- Highly Radiopaque



Images courtesy of (left to right) Dr. Michael Shapiro, Dr. Matthew Miller, Dr. Frank Berman, and Dr. Robert Jenkins.

Clinical Tips

- Dry canals moderately, use slight pressure to inject, and withdraw the syringe as you inject.
- Don't overfill and place the material in the canal slowly with very light pressure.
- Lightly coat gutta percha with the sealer.
- The sealer has low viscosity, so it's not necessary to pump the gutta percha.
- Extrude the sealer onto a mixing pad and deliver with the gutta percha or a lentullo spiral to control how much sealer is placed into the canal.

"EXCELLENT RADIOPACITY."

Evaluators' Comments

"The material has great flowability and opacity."

"There was some lateral canal penetration observed."

"I like the antimicrobial properties."

"The dispensing tips are too large to fit into most canals."

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Consultants who would:

86% Recommend to a colleague

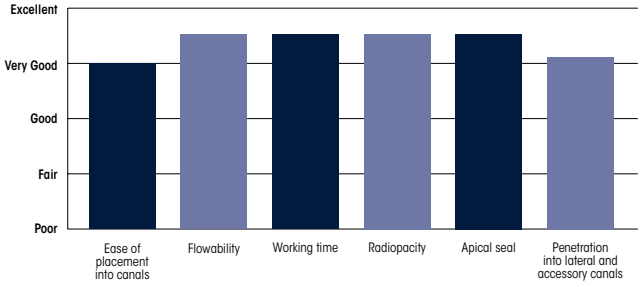
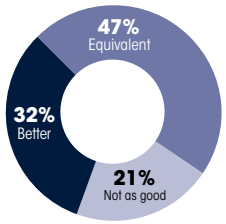
Consultants who would want to stock in office:

21% Yes, instead of current product

50% Yes, in addition to current product

11% I might want to order this product for certain cases

Evaluation Summary:



Compared to Competitive Products: