

Essential Dental Systems



BIOSEAL™



BioSeal Bioceramic sealer is a ready-to-use injectable bioceramic cement developed for permanent root canal filling and sealing applications.

Includes: 10 gm Auto Mix Syringe,
15 Endo tips with mixers.



29 CLINICAL EVALUATORS

225 TOTAL USES

91% CLINICAL RATING

The Next Generation Bioceramic in Endodontics

Unlike ANY Other Bioceramic Endodontic Sealer.

BioSeal is an advanced endodontic sealer designed to promote extensive remineralization through its unique Directed-Formation Technology. By integrating calcium silicate, calcium phosphate, bioactive glass, chlorhexidine, and biomimetic polymers, BioSeal actively restores mineral content and strengthens treated teeth. This innovative formulation not only reinforces dental structures but also delivers continuous protection. BioSeal is compatible with both room temperature and warm vertical techniques.

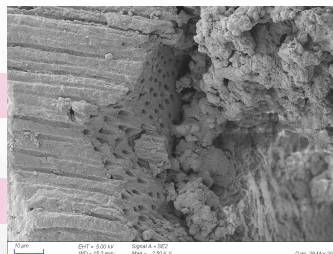
Extensive Remineralization

Remineralizes up to 100 microns*!

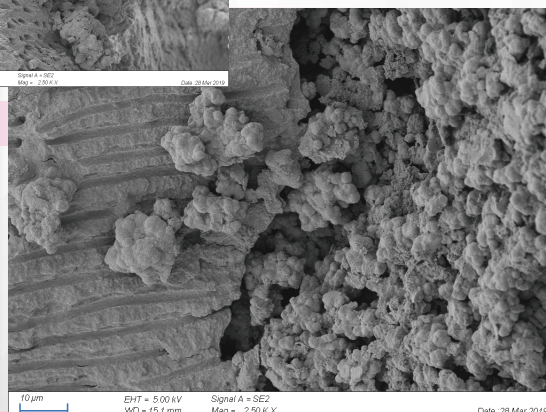
Reinforces tooth structure

Hydroxyapatite Producing

Enlargement showing hydroxyapatite remineralization globules intergrading with dentin.



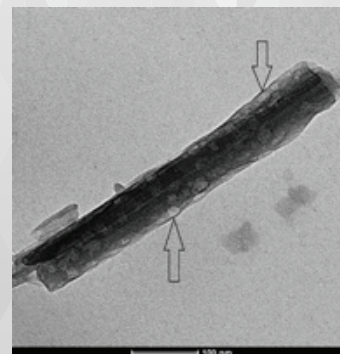
Enlarged Image Below



Chlorhexidine (CHX) incorporation

The patented host inclusion particles slowly release chlorhexidine to significantly increase long-term substantivity.

This T.E.M. image shows a halloysite particle that contains the time released CHX.

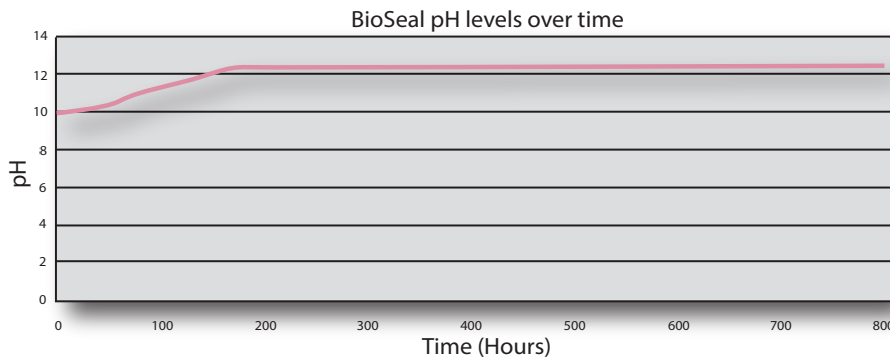


*Data on File

Biomimetic Polymers

The polymers mimic natural biology (mimics endogenously existing proteins in growing teeth) that serve as nucleation sites - by organizing ions during the remineralization process.

Antibacterial (+12 pH upon setting)



BioSeal's setting reactions result in a highly alkaline pH, therefore provides an environment detrimental for bacterial growth.

Hydrophilic

BioSeal's extremely small particle size and hydrophilic nature allows it to flow into all aspects of the canal anatomy.

Highly Radiopaque

Highly Biocompatible

No Shrinkage

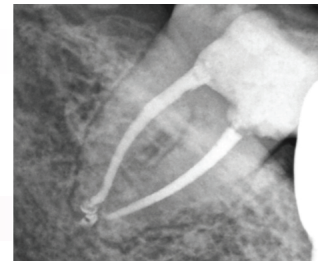
Ideal Working and Setting Time

User Friendly (Automix Syringable Sealer)

No Expensive Armamentarium

Cost Effective

(Considerably Less Expensive Than Carriers and Competitive BC Sealers)



ORDERING INFORMATION (NOT FOR SALE IN CANADA)

BioSeal Endodontic Sealer:

1640-00: Includes: 10 gm Auto Mix Syringe, 15 Endo tips with mixers.

Mixing Tip Refills

1640-15: 15 - Endo tips

For our complete line of patented dental products please visit our website at: www.edsdental.com *Data On File