Sure Quality is on Sure-endo

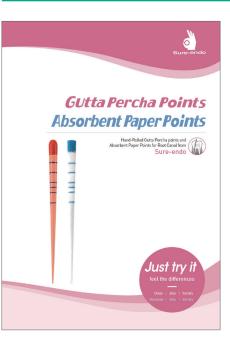


Sure-Seal Root

Syringe type & Putty type















Easy | Bio Stable | Natural



Sure Dent Corporation

#809, 52, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Rep. of Korea Tel. +82-31-737-4720 E-mail. suredent@suredent.com Web. www.suredent.com











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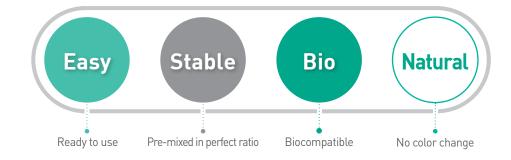
Sure-Seal Root™

Syringe type

Bioceramic Sealing Material for Root Canal Sealing from Sure-endo.

Sure-Seal Root[™] is a convenient premixed-ready to use calcium aluminosilicate paste developed for permanent obturation of root canal.

Sure-Seal RootTM does not shrink and demonstrates excellent physical properties.



Sure-Seal Root™PT

Putty type

Bioceramic Sealing Material for pulp capping, permanent root canal repair and filling from Sure-endo.

Sure-Seal Root[™] PT is delivered by capsule containing the mixture of calcium aluminosilicate cement, liquid, and several compound particles.

Sure-Seal Root[™]PT sets in the root without the mixing process or additional water.

The perfect seal interface among dentin, Sure-Seal Root[™], and GP.



Color change comparison between Sure-Seal Root™ and Resin sealer





Best use with Sure-Seal Root™ Bio GP Points Bioceramic Coated and Impregnated



- Available Size: Taper .04 /.06
- Contents: 60p / Slide box

Syringe Type

Property

| Setting time | Initial within 25 mins |
|--------------------------------|------------------------|
| | Final within 150 mins |
| Flow | 24mm |
| Film thickness | 19mm |
| PH (1day) | 12.35 |
| Compressive Strength (7day) | 60MPa |

Advantages

Simple

• Premixed and Injectable paste • The optimum flowability

Biocompatibility

 Pure calcium aluminosilicate Resin and Eugenol Free

Nano Sealing

- Excellent bonding to gutta-percha and detin
- Micro-sized particle
- Zero shrinkage Hydroxy apatite generation • Hydrophillic

High pH

- Calcium hydroxide are generated during setting
- pH increases up to 12 and over
- Alkaline environment making it highly antibacterial

Excellenct Radiopacity

Contents



- 2g syringe × 1ea
- Length marked Capilary tip × 20ea
- Extention holder × 1ea

Putty Type

Property

| Setting time | Initial within 8 mins |
|--------------------------------|-----------------------|
| | Final within 50 mins |
| Flow | 9~11mm |
| Film thickness | 30~40mm |
| PH (1day) | 11.62 |
| Compressive Strength (7day) | 98.95MPa |

Advantages

Simple

- Premixed putty in capsule
- Paste-only filling

Time

Repair of

perforation

Repair of

resorption

Root-end

Apexification

Filling

• Proper setting time for application

Strength

• compressive strength

Biocompatibility

• Biocompatible elements

Antibacterial effects by Alkaline pH

Excellenct Radiopacity

• Easy recognition

Contents



• 0.25g capsule × 10ea

Cell Adhesion Analysis (Surface Chemistry)







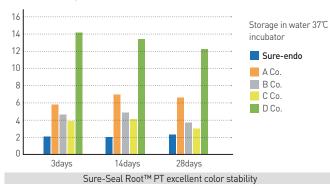
- Cell adhesion and cell spreading became more powerful in Sure-Seal RootTM PT (Fig.B) compared to White MTA (Fig.A).
- Sure-Seal Root[™] PT exhibits high mineralization ability, forming extensive apatite crystals on the surface.

Biocompatibility



- Sure-Seal Root[™] PT doesn't create inflammatory response.
- \bullet Sure-Seal RootTM PT seems to promote mineralization and show bioactivity.

Color Stability [%]



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Root-canal sealing