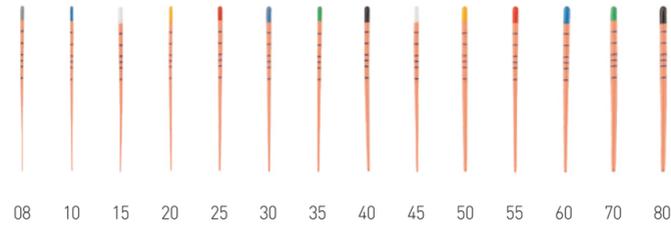
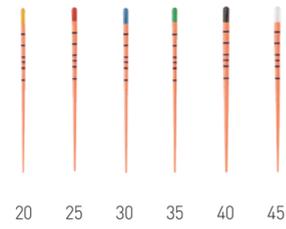


Sure Quality is on  
**Sure-endo**

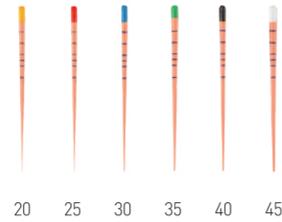
Taper .02



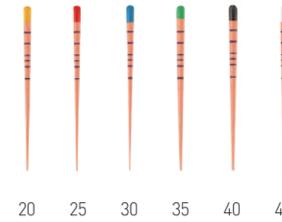
Taper .03



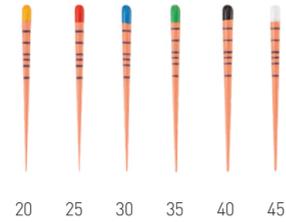
Taper .04



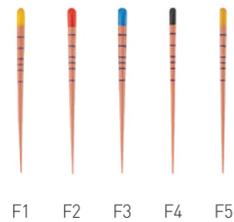
Taper .05



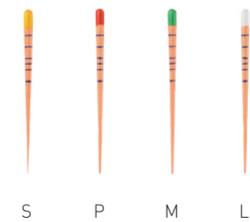
Taper .06



Protaper Size



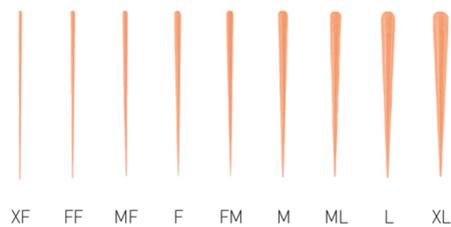
Waveone Gold Size



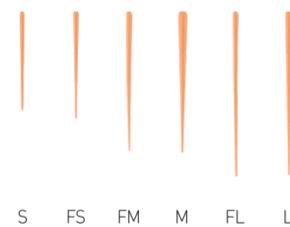
Reciproc Size



Accessory Size (Regular)



Japanese Size



**Gutta Percha Points**



# Gutta Percha Points Absorbent Paper Points

Hand-Rolled Gutta Percha Points and  
Absorbent Paper Points for Root Canal from  
**Sure-endo**



**Just try it**  
feel the differences

Clean | Size | Variety  
Sterilized | Size | Variety



**Sure Dent Corporation**

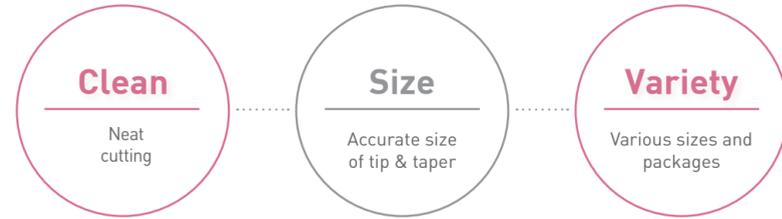
#809, 52, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Rep. of Korea  
Tel. +82-31-737-4720 E-mail. suredent@suredent.com Web. www.suredent.com



SD-01 | Rev. 08 / 2022

# Gutta Percha Points

Hand-Rolled Gutta Percha Points



## Regular GP Points

Regular GP points in various sizes and packages of your choice

### Advantages

- Accurate size : Strict standard than ISO for top quality : Consistent quality : Laser inspection for tip & taper
- Vivid length mark : Calibrated at 16mm, 18mm, 19mm, 20mm, 22mm, and 24mm
- Easy to distinguish due to radiopacity
- Various size selections in diverse packages
- Latex free



## Bio GP Points

Innovative Bioceramic Impregnated GP Points

### Advantages

- Biocompatibility
- Easier to distinguish due to radiopacity : 30-40% higher
- Clean and neat cutting with a trimmer : Easy
- Stiff but flexible at the same time
- Great to use with sealers of any kinds : Intense bonding action
- Vivid length mark : Calibrated at 16mm, 18mm, 19mm, 20mm, 22mm, and 24mm
- Latex free



## Bioceramic GP Points

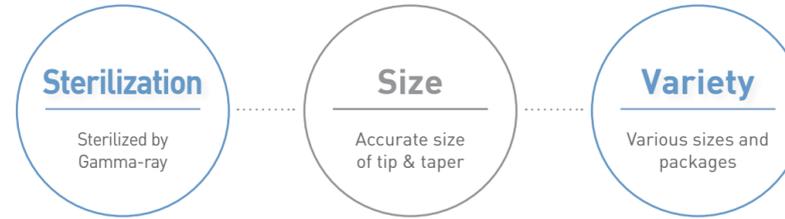
GP which is composed of bioceramic materials, and it works better with the bioceramic sealer

### Advantages

- The best use with bioceramic sealer : Made of bioceramic material : Best performance with bioceramic sealer
- Biocompatibility
- Stiff but flexible at the same time
- Easier to distinguish due to radiopacity : 30-40% higher
- Clean and neat cutting with a trimmer : Easy
- Latex free

# Absorbent Paper Points

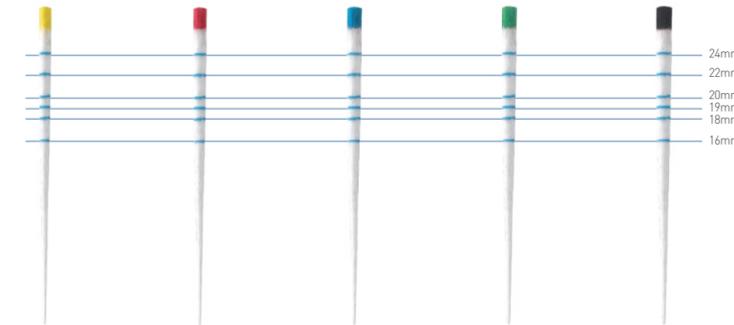
Sterilized Endodontic Paper Points which is used to dry the canal and introduce medicaments



## Paper Points

### Advantages

- High solidity and absorbency for operators' convenience
- 100% Irradiated by gamma-ray : Sterilization assurance level : 10<sup>-6</sup>
- Accurate size : Consistent quality : Laser inspection for tip & taper
- Lintless clean surface
- Various size selections in diverse packages
- Vivid length mark : Calibrated at 16mm, 18mm, 19mm, 20mm, 22mm, and 24mm



## Obturator

GP Obturator bullet for obturation gun

### Advantages

- Optimized composition recipe
- Easy to heat and handle
- Biocompatibility
- Various types (Hard/Regular/Soft)
- Highly flowable

### Package

- 100pieces



## Size Chart

Taper	ISO Standardized Size				
	Taper .02	Taper .03	Taper .04	Taper .05	Taper .06
● 08	v				
● 10	v				
○ 15	v	v	v	v	v
● 20	v	v	v	v	v
● 25	v	v	v	v	v
● 30	v	v	v	v	v
● 35	v	v	v	v	v
● 40	v	v	v	v	v
○ 45	v	v	v	v	v
● 50	v	v	v	v	v
● 55	v	v	v	v	v
● 60	v	v	v	v	v
● 70	v	v	v	v	v
● 80	v	v	v	v	v
○ 90	v				
● 100	v				
● 110	v				
● 120	v				
● 130	v				
● 140	v				
Assorted	15 - 40	20 - 45	20 - 45	20 - 45	20 - 45
	45 - 80				
	90 - 140				

Type	Non-Standardized Size			
	Protaper	Protaper Next	Waveone Gold	Reciproc
Size	● F1	● X2	● Small	● R25
	● F2	● X3	● Primary	● R40
	● F3	● X4	● Medium	● R50
	● F4	● X5	○ Large	
	● F5			
	F1 - F3	X2 - X5	S - L	R25 - R50
	F4 - F5			

※ Both Length marked & Non-length marked are possible  
 ※ GP & PP are available in all of the above sizes

Type	Non-Standardized Size		Type	Non-Standardized Size	
	Japanese	De-tray		Regular Type	
	S	XXF		GP	PP
	FS	XF		XF	XXF
	FM	F		FF	XF
Size	M	M		MF	F
	FL			F	M
	L			FM	C
	S - FL			M	XC
				ML	XXF - XC
			L		
			XL		
			MF - M		

※ Only GP corresponds to all of the above sizes

## Size Color Type

15	45	90	Large			
20	50	100	Small	F1 / F5	X5	R50
25	55	110	Primary	F2	X2	R25
30	60	120	08	F3	X3	
35	70	130	Medium			
40	80	140	10	F4	X4	R40

## Package Style



Sure-endo manufactures all sizes of GP & PP and meets the needs of all customers



**SURE-Cord<sup>plus</sup>**  
Knitted Retraction Cord

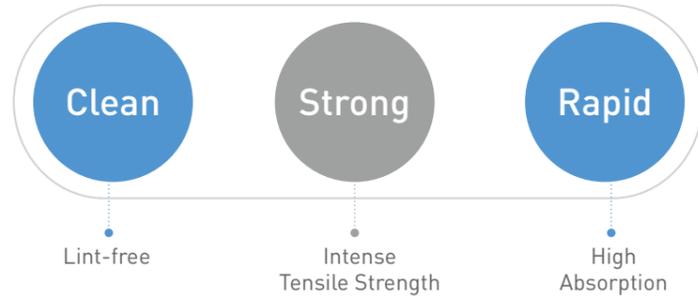
Retraction & Hemostasis cord from  
**Sure-endo** 

**Just try it**  
feel the differences

Clean | Strong | Rapid

# SURE-Cord®

Knitted type Retraction cord



SURE-Cord® is knitted type of non-impregnated retraction cord which is made of 100% cotton.

SURE-Cord®'s knitted interlocking chains carry significantly greater quantities of hemostatic solution and provide an excellent medium for gel absorption and placement.

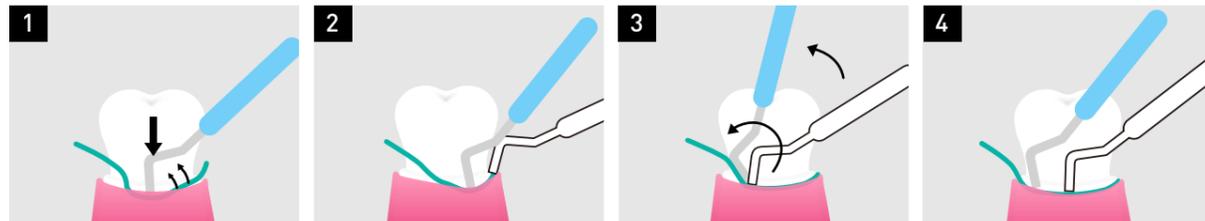
## Advantages

- Quick tissue displacement with detailed margins and perfect impressions
- High absorption of bleeding by fine and tight knit
- Clean surface allows the cervical resin clearly
- One touch smart cutting cap ensures the clean and easy cut
- Easy placement in the sulcus
- Length indicator helps to cut the desired length
- Translucent bottle allows the easy confirmation of the remained cord

## Sizes & Length

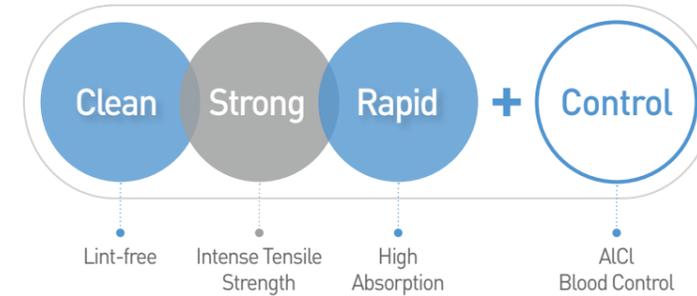
Length	100 Inch (254cm)
	#000 Green
	#00 Brown
	#0 Purple
	#1 Blue
	#2 Orange
	#3 Yellow

## Application



# SURE-Cord® <sup>plus</sup>

Retraction & Hemostasis cord



SURE-Cord® Plus is Knitted type of Retraction Cord made of Split Microfiber which is more absorbent than cotton.

SURE-Cord® Plus is impregnated with Aluminum chloride which reduces the liquid in gingival pocket and closes the smaller blood vessels.

## Advantages

### Impregnated with Aluminum Chloride

- Gentle astringent effect and hemostasis
- No cardiovascular problem (Epinephrine Free)
- No blackening of tissue

### Intense tensile strength even with AlCl

### One touch cutting cap with Zirconia Blade

- Zirconia blade ensures the clean and hygienic condition without corrosion

### Lint-free

- No lint provides the cleanest impression and cervical resin

### Thinnest size (#000.0)

- Best application for the double cord technique

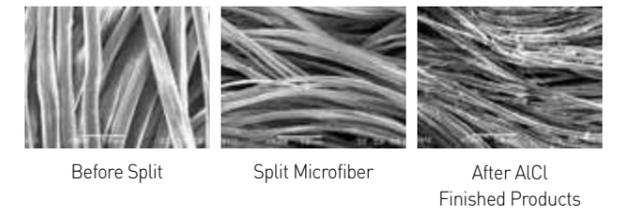
### Knitted with Split Microfiber

- Perfect absorption action
- x500 magnified SEM photo

## Sizes & Length

Length	100 Inch (254cm)
	#000.0 Black
	#000 Green
	#00 Brown
	#0 Purple
	#1 Blue
	#2 Orange

Knitted with Split Microfiber



## Consultants' comments

The 000.0 size is an excellent addition to the traditional cord sizes

Sure-Cord+ is far more resistant to shredding and wrapping around a high speed bur

I love using the double- and triple-zero for two-cord technique

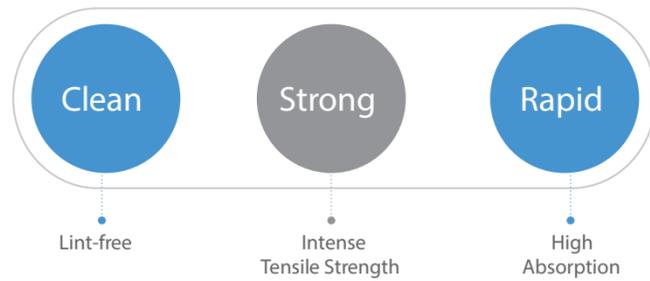


DA DENTAL ADVISOR



# SURE-Cord<sup>®</sup> Clean

Retraction cord with Microfiber



SURE-Cord<sup>®</sup> Clean is Knitted Retraction Cord made of split microfiber. It has a cleaner, lint-free surface and absorbs better than cotton.

SURE-Cord<sup>®</sup> Clean is ideal for use with hemostasis solutions, its microfiber composition features a stronger chain than cotton allowing for pre-application and storing it beforehand which is more efficient.

## Advantages

### Lint-free

- No lint provides the cleanest impression and cervical margin

### Hemostasis solution pre-application available

- Stronger chain than cotton allowing pre-application with hemostasis solutions

### Premium absorbency

- High absorption of blood and tissue fluids

### Intense tensile strength

- No more concerns about breakage during usage

### One touch cutting

- Zirconia blade ensures the clean and hygienic condition without corrosion

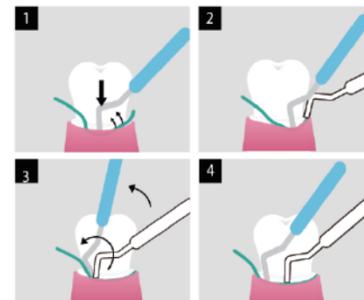
### Thinnest size (#000.0)

- Designed for the smallest size, optimized for double cord technique

## Sizes & Length

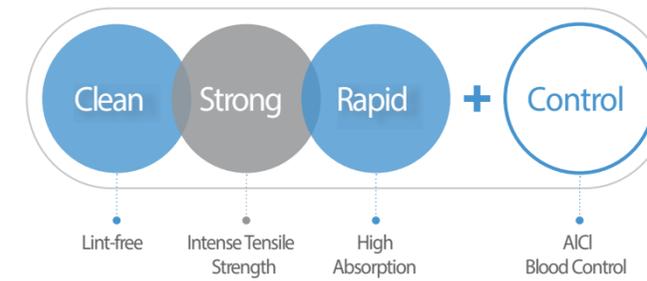
Length	100 Inch (254cm)
	#000.0 Black
	#000 Green
	#00 Brown
	#0 Purple
	#1 Blue
	#2 Orange

## Application



# SURE-Cord<sup>®</sup> plus

Retraction & Hemostasis cord



SURE-Cord<sup>®</sup> Plus is Knitted type of Retraction Cord made of Split Microfiber which is more absorbent than cotton.

SURE-Cord<sup>®</sup> Plus is impregnated with Aluminum chloride which reduces the liquid in gingival pocket and closes the smaller blood vessels.

## Advantages

### Impregnated with Aluminum Chloride

- Gentle astringent effect and hemostasis
- No cardiovascular problem (Epinephrine Free)
- No blackening of tissue

### Intense tensile strength even with AICI

### One touch cutting cap with Zirconia Blade

- Zirconia blade ensures the clean and hygienic condition without corrosion

### Lint-free

- No lint provides the cleanest impression and cervical margin

### Thinnest size (#000 .0)

- Best application for the double cord technique

### Knitted with Split Microfiber

- Perfect absorption action
- >500 magnified SEM photo

## Sizes & Length

Length	100 Inch (254cm)
	#000.0 Black
	#000 Green
	#00 Brown
	#0 Purple
	#1 Blue
	#2 Orange

Knitted with Split Microfiber



Before Split

Split Microfiber

After AICI Finished Products

## Consultants' comments

 The 000.0 size is an excellent addition to the traditional cord sizes

 Sure-Cord+ is far more resistant to shredding and wrapping around a high speed bur

 I love using the double- and triple-zero for two-cord technique



DA DENTAL ADVISOR





# **SURE-Paste<sup>®</sup>** **SURE-Prep<sup>®</sup>**

Water Soluble Calcium-Hydroxide Paste and  
BLUE EDTA(15%) Preparation Cream from  
Sure-endo



**Just try it**  
feel the differences

Stable | High | Easy  
Lubricant | Bubble | Blue

# SURE-Paste®

Water Soluble Calcium-Hydroxide Paste with Barium Sulfate



SURE-Paste® is water soluble Calcium-Hydroxide paste used as temporary filling material for endodontic procedure from Sure-endo.

SURE-Paste® is highly-flowable premixed paste for cleaning, and can be used easily due to water solubility.



- Antimicrobial effect resulting from high pH 12.
- 'WATER-SOLUBLE' with high flowability provides easy filling or removal.

## Application

- Apexification
- Treatment for infected root canals
- Temporary root canal filling
- Internal & External root resorption
- Pulp capping of exposed pulp and vital pulpotomy

## Advantages

- Very Stable without any solidification
- Outstanding antibacterial characteristics
- Easy cleaning and removal due to water solubility
- Easy to apply (Premixed paste & syringe type)
- Impressive biocompatibility
- Highly flowable
- Disposable mm marked tips to avoid a cross-contamination
- Excellent radiopacity

## Composition

- Calcium-Hydroxide
- Barium Sulfate

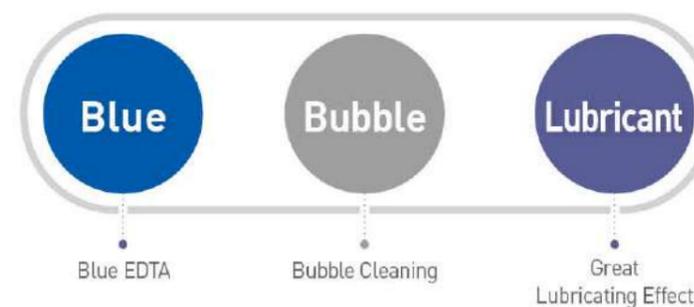
## Contents

- Regular Kit  
: 2g Syringe × 1ea  
: Length marked Capillary Tip × 20ea  
- Hygienic Packing
- Special Kit  
: 2g Syringe × 2ea  
: Length marked Capillary Tip × 20ea



# SURE-Prep®

Blue EDTA(15%) Preparation Cream



SURE-Prep® is BLUE EDTA(15%) root canal preparation cream from Sure-endo

SURE-Prep® including Ethylenediamine Tetraacetic Acid(EDTA) is a chelating agent which allows efficient cleaning and easier preparation of the root canal.



- 'BLUE' color makes it easy to identify the removal of all of EDTA before obturation.

## Application

- Root canal preparation with files and reamers
- Facile shaping and cleansing of the root canal
- Great lubricating effect
- Provide a clean and non-smear canal wall

## Advantages

- Removal of inorganic substances by chelation(EDTA-Ca)
- Simple application with lubricating effect
- Provide a clean and non-smear canal wall
- Improving the efficiency in injecting into the root canals by a special lubricant.

## Composition

- EDTA 15%
- Urea Peroxide in PPG and PEG 10%

## Contents

- 6g Sryinge × 3ea
- Disposable Tip × 20ea



# Sure-Seal Root™

Syringe type & Putty type

Bioceramic Sealing and Filling Material from  
**Sure-endo**



**Just try it**  
feel the differences

Easy | Bio  
Stable | Natural

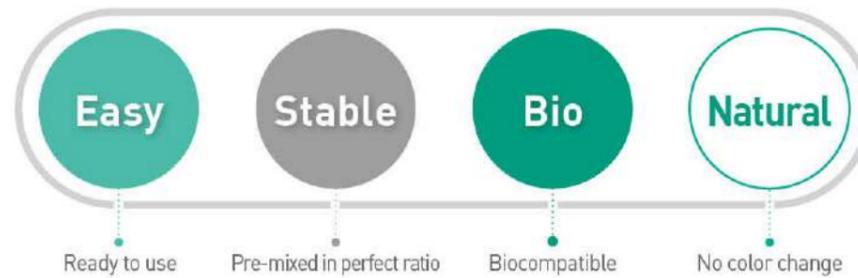
# Sure-Seal Root™

## 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 Root™ does not shrink and demonstrates excellent physical properties.



# Sure-Seal Root™ PT

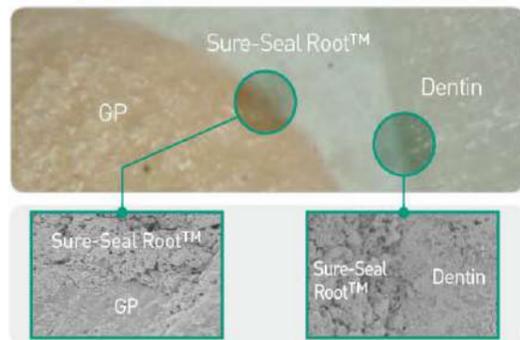
## Putty type

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 dentin
- Micro-sized particle
- Hydroxy apatite generation
- Zero shrinkage
- Hydrophilic

### High pH

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

### Excellent Radiopacity

### Contents

- 2g syringe × 1ea
- Length marked Capillary tip × 20ea
- Extension 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**
- Proper setting time for application

### Strength

- compressive strength

### Biocompatibility

- Biocompatible elements

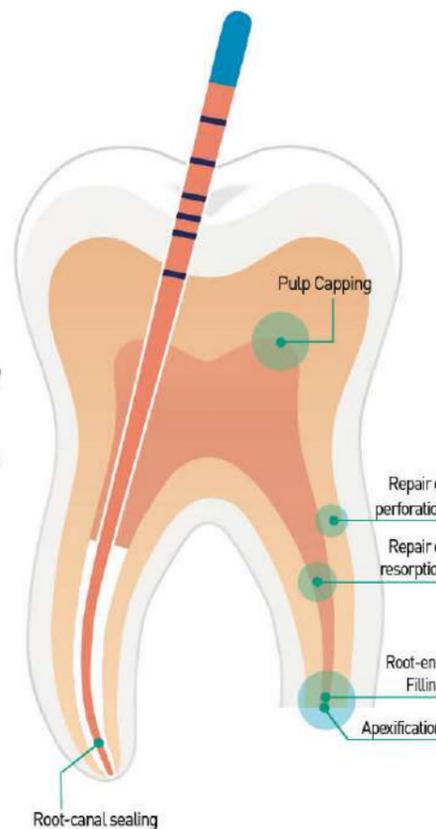
### Antibacterial effects by Alkaline pH

### Excellent Radiopacity

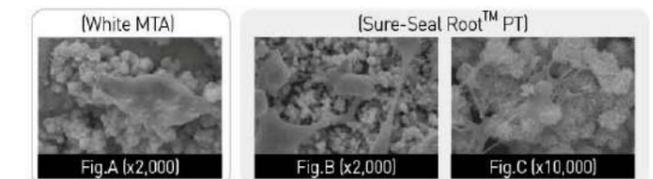
- Easy recognition

### Contents

- 0.25g capsule × 10ea



## Cell Adhesion Analysis (Surface Chemistry)



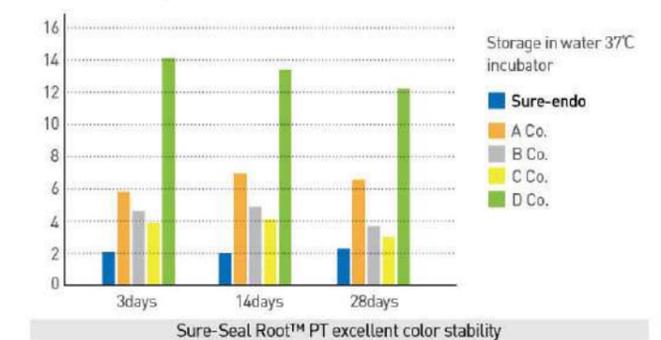
- Cell adhesion and cell spreading became more powerful in Sure-Seal Root™ PT (Fig.B) compared to White MTA (Fig.A).
- Sure-Seal Root™ PT exhibits high mineralization ability, forming extensive apatite crystals on the surface.

## Biocompatibility



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

## Color Stability (%)



# Introduction of Sure-Seal Root™ PT



## Description of Sure-Seal Root PT

- Sure-Seal Root PT is a **premixed bioceramic paste** developed for pulp capping, permanent root canal repair and filling.
- 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** with additional water.

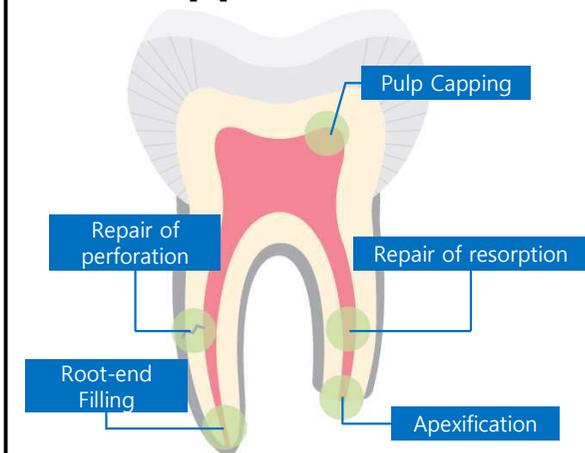
## Composition

- Calcium Aluminosilicate Compound
- Zirconium Oxide
- Filler
- Thickening agent

## Package of Sure-Seal Root PT



## Application



## The Usage of Sure-Seal Root PT

1.



Capsule in a capsule gun

2.



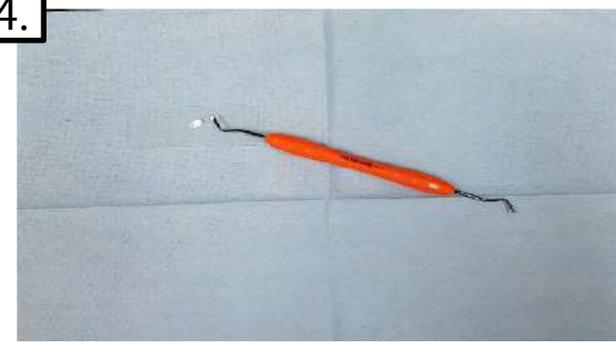
Sure-Seal Root PT extrusion

3.



Extruded Sure-Seal Root PT

4.

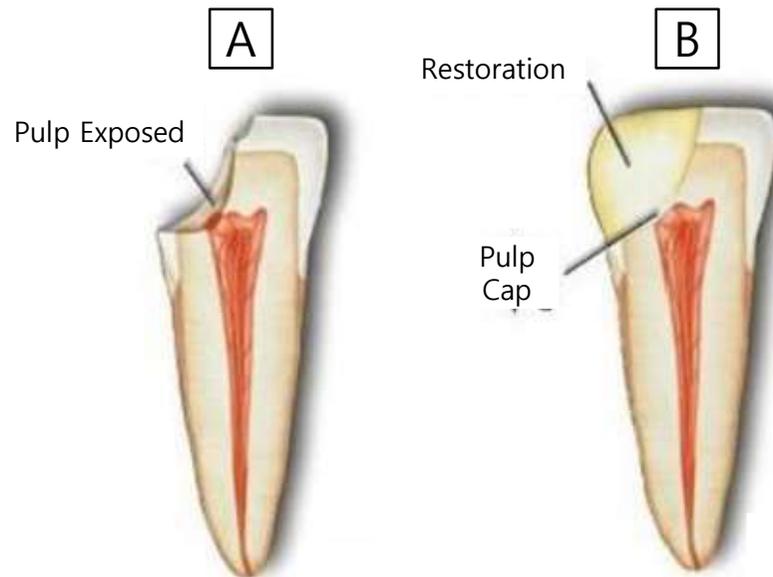


Extruded Sure-Seal Root PT  
with an instrument

## Application of Sure-Seal Root PT

- Pulp Capping

- To Prevent the dental pulp from necrosis, after being exposed, or nearly exposed during a cavity preparation.



## Application of Sure-Seal Root PT

- Pulp Capping



## Application of Sure-Seal Root PT

- Repair of Perforation

- A perforation is a hole in the crown or root of the tooth that can occur naturally as a result of **internal or external resorption**.
- A perforation can also be caused by **excessive tooth structure removal** during root canal preparation.



- <https://www.youtube.com/watch?v=fSYDOoWeXz8>

## Application of Sure-Seal Root PT

- Repair of Resorption

- Root resorption is the progressive loss of Dentine and Cementum by the action of osteoclasts.

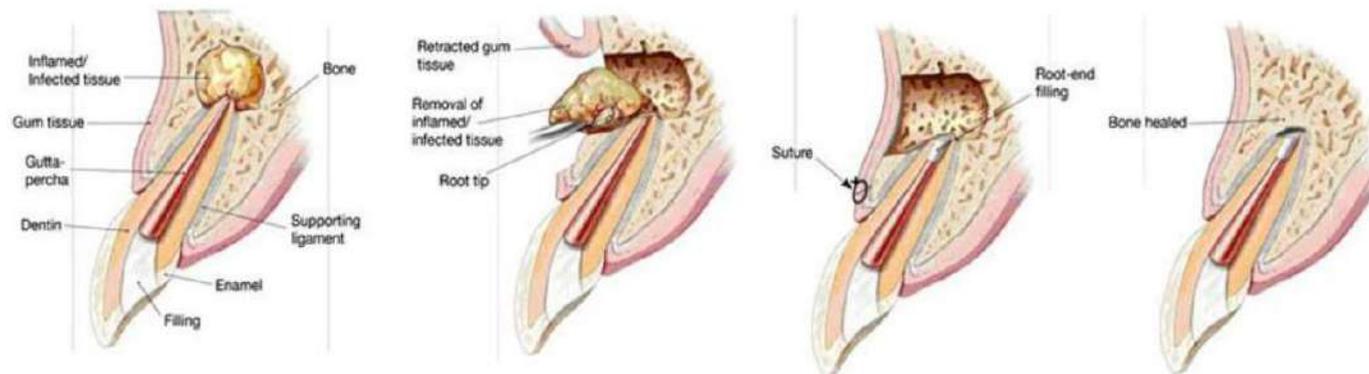


- <https://www.youtube.com/watch?v=dgD6SZaHFao>
- <https://www.youtube.com/watch?v=lQ36DEoM1ps>

## Application of Sure-Seal Root PT

- Root-end Filling

- **Orthograde Filling** is an endodontic surgical procedure whereby a tooth's root tip is removed and a root end cavity is prepared and filled with a biocompatible material.
- **Surgery-Retro Filling** : This is usually necessitated when a conventional root canal therapy had failed and a re-treatment was already unsuccessful or is not advised.

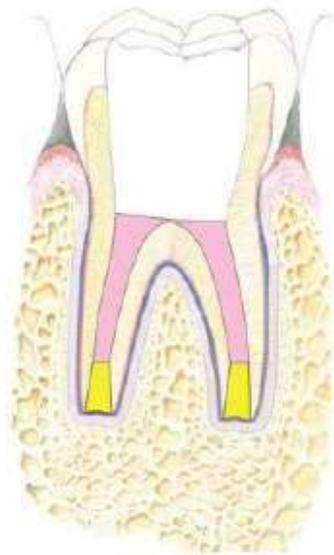


- <https://www.youtube.com/watch?v=qXwLKh6esEI>
- <https://www.youtube.com/watch?v=kTDfnfe-oBk>

## Application of Sure-Seal Root PT

- Apexification

- Apexification is a method of inducing apical closure through the formation of mineralized tissue in the apical pulp region of a non-vital tooth with an incompletely formed root and an open apex.

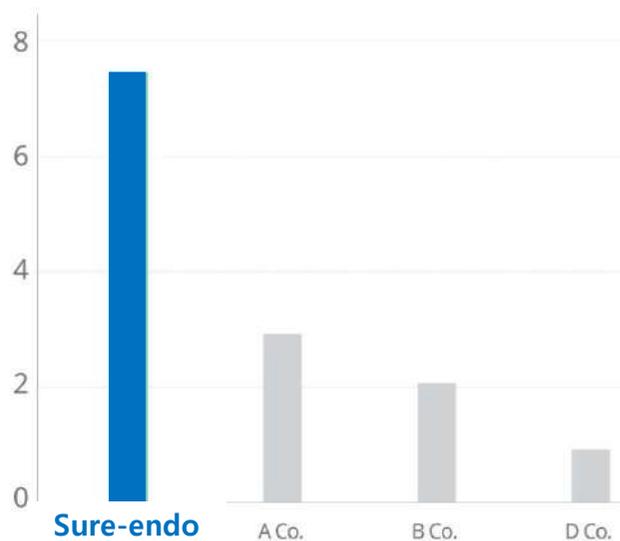


- <https://www.youtube.com/watch?v=5309Hx6XGJY>
- <https://www.youtube.com/watch?v=6pVRPHDpxYs>

## Property of Sure-Seal Root PT

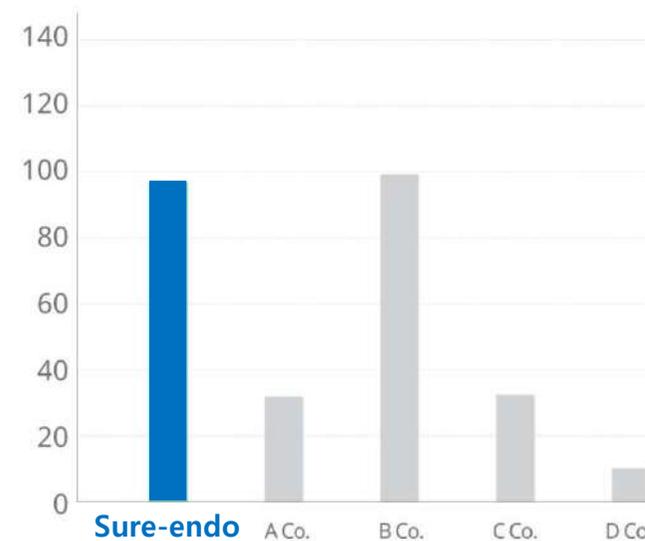
- Comparison with Competitors

► Push-out Bond Strength (Mpa)



Sure-Seal Root PT has **the superior Dislodgement resistance.**

► Compressive Strength (Mpa)

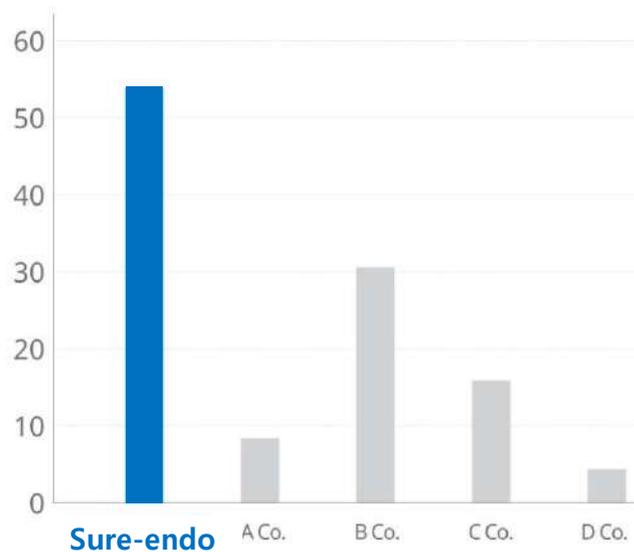


Sure-Seal Root PT has **high stability of the materials** due to good hydration reaction.

## Property of Sure-Seal Root PT

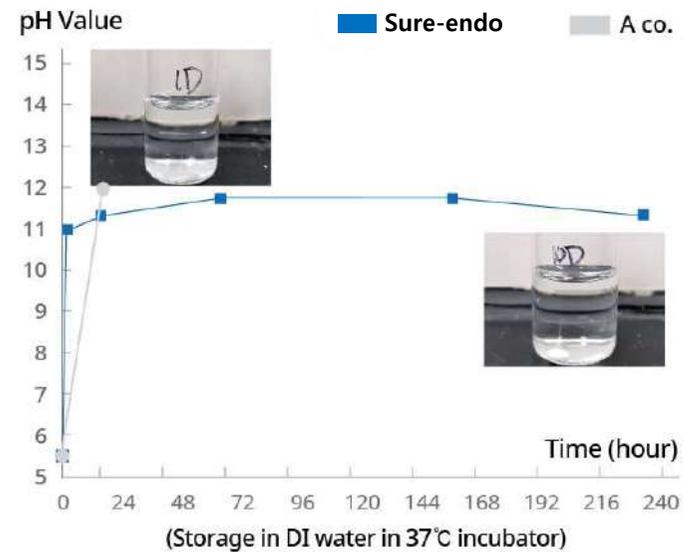
- Comparison with Competitors

► Vickers Hardness (HV)



Sure-Seal Root PT has **the superior Dislodgement resistance.**

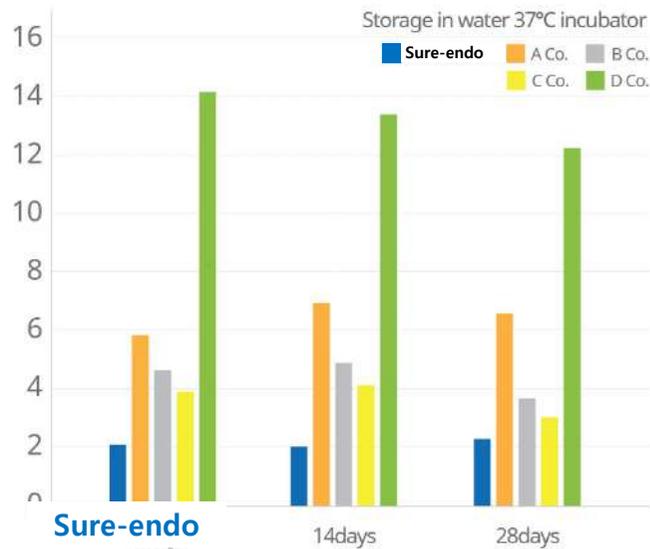
► Compressive Strength (Mpa)



## Property of Sure-Seal Root PT

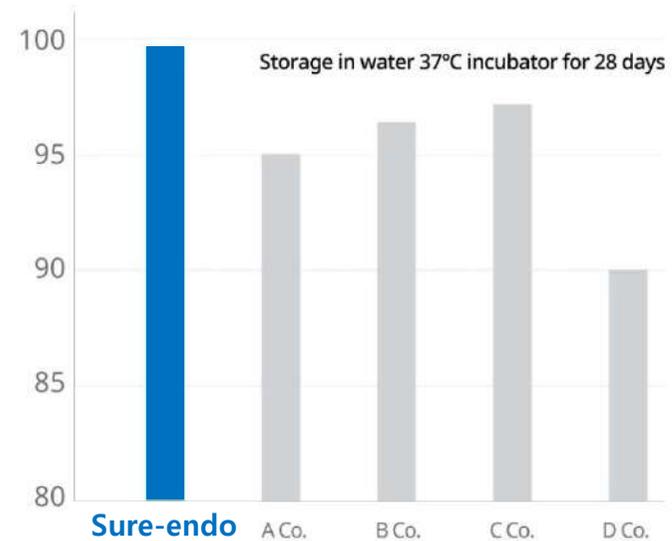
- Comparison with Competitors

► Color Stability (%)



Sure-Seal Root PT **excellent color stability.**

► Weight Change (%)

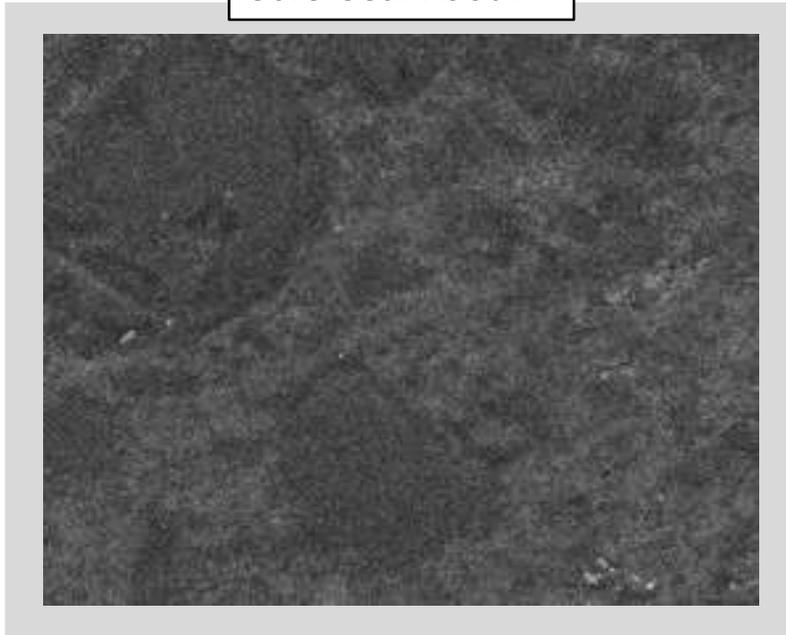


Sure-Seal Root PT does **not nearly dissolve** the product compared to other companies.

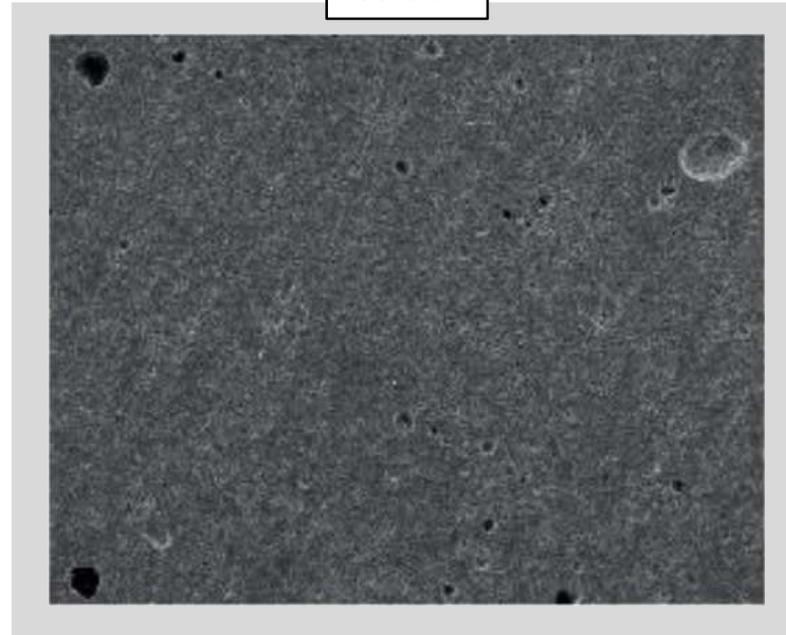
## Property of Sure-Seal Root PT

- Comparison with Competitors

Sure-Seal Root PT



A Co.



- Sure-Seal Root PT forms a coherent interface and is a **no separation of particles**.

## Property of Sure-Seal Root PT

- Properties

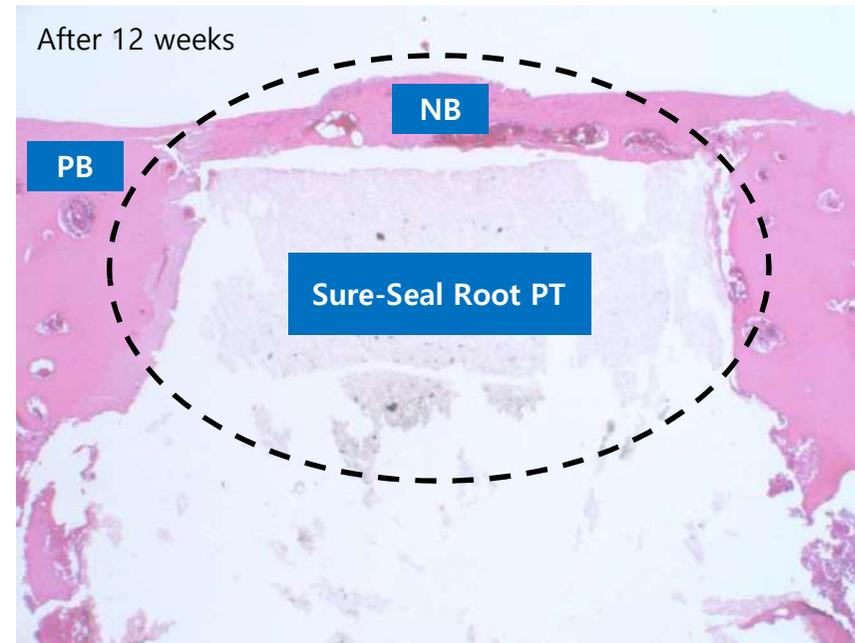
Properties measured according to ISO 6876:2012



Flow (mm)		Film thickness ( $\mu\text{m}$ )
9.3 $\pm$ 0.2		38.8 $\pm$ 4
Setting time (min.)		Radiopacity (mm)
Initial	5 $\pm$ 2	5.4
Final	45 $\pm$ 5	



- Biocompatibility



- Sure-Seal Root PT doesn't create inflammatory response.
- Sure-Seal Root PT seems to promote mineralization and show bioactivity.

## Property of Sure-Seal Root PT

- Cell Adhesion Analysis (Surface Chemistry)

White MTA

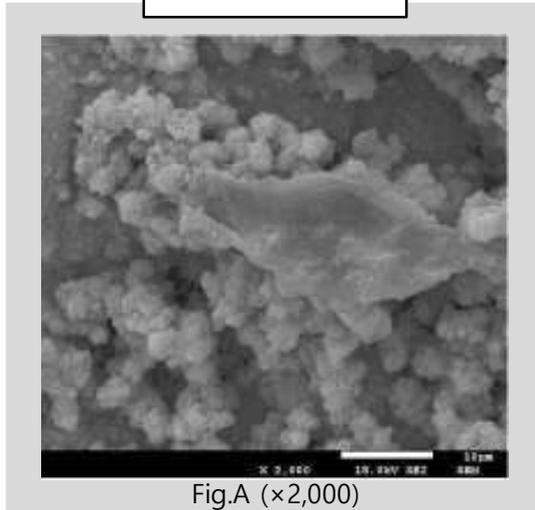


Fig.A (×2,000)

Sure-Seal Root PT

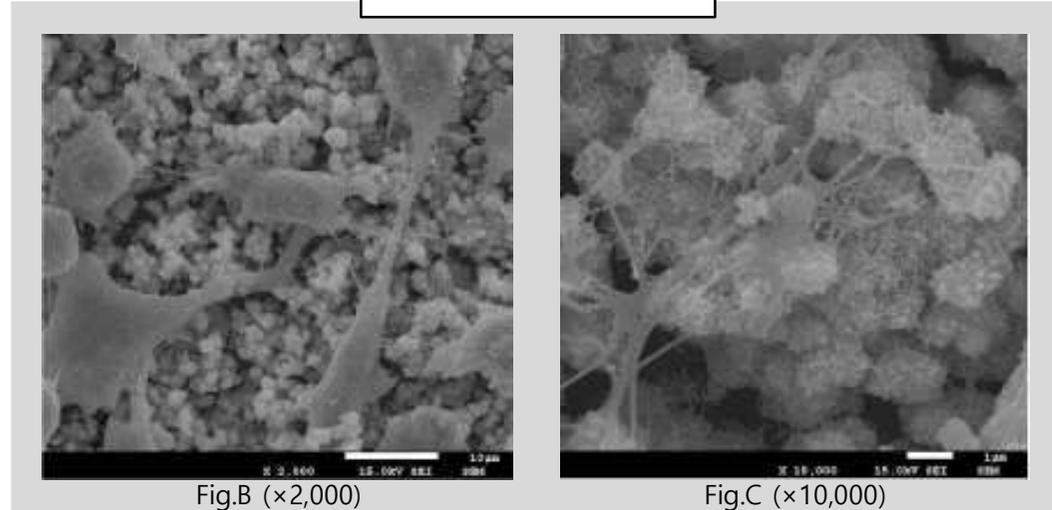


Fig.B (×2,000)

Fig.C (×10,000)

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

## Comparison Table (with competitors)

	<b>Sure-Seal Root PT</b>	<b>Fast Set Putty</b>	<b>ProRoot MTA</b>	<b>Endocem MTA</b>	<b>Ortho MTA</b>
Manufacturer		Braseller	Dentsply	Maruchi	BioMTA
Type	Premixed Putty	Premixed Putty	Powder-liquid	Powder-liquid	Powder-liquid
Components	<ul style="list-style-type: none"> <li>• Calcium Aluminosilicate</li> <li>• Zirconium Oxide</li> <li>• Filler</li> <li>• Thickening agent</li> </ul>	<ul style="list-style-type: none"> <li>• Calcium Silicates</li> <li>• Calcium Phosphate</li> <li>• Calcium Hydroxide</li> <li>• Zirconium Oxide</li> <li>• Tantalum Oxide</li> <li>• Filler</li> <li>• Thickening agent</li> </ul>	<ul style="list-style-type: none"> <li>• Portland Cement</li> <li>• Bismuth Oxide</li> <li>• Calcium Sulfate Dihydrate</li> </ul>	<ul style="list-style-type: none"> <li>• Natural Pure Cement</li> <li>• Bismuth Oxide</li> </ul>	<ul style="list-style-type: none"> <li>• Calcium Carbonate</li> <li>• Silicon Dioxide</li> <li>• Bismuth Oxide</li> </ul>
Application	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>
Setting time	Initial: within 8mins Final: within 50mins	Initial: 20mins Final 60mins	Initial: >70mins Final: >250mins	Initial: 2mins Final: <4mins	Initial: >40mins Final: >330mins
Flow	9~11mm	-	9.63mm	-	9.69mm
Film	30~40mm	-	36.7mm	-	32mm
pH (1day)	11.62	-	11.41	10.14	10.29
Compressive Strength (7days)	98.95MPa	56.6MPa	61.98MPa	16.26MPa	45.66MPa

## Comparison Table (Sure-Seal Root vs Sure-Seal Root PT)

	Sure-Seal Root PT		Sure-Seal Root	
Manufacturer				
Type	Premixed Putty		Premixed Paste	
Components	<ul style="list-style-type: none"> <li>• Calcium Aluminosilicate</li> <li>• Zirconium Oxide</li> <li>• Filler</li> <li>• Thickening agent</li> </ul>		<ul style="list-style-type: none"> <li>• Calcium Aluminosilicate</li> <li>• Zirconium Oxide</li> <li>• Filler</li> <li>• Thickening Agent</li> </ul>	
Application	<ul style="list-style-type: none"> <li>• Pulp Capping</li> <li>• Repair of Root Perforation/Resorption</li> <li>• Root-end Filling</li> <li>• Apexification</li> </ul>		<ul style="list-style-type: none"> <li>• Permanent Obturation of the Root Canal</li> </ul>	
Setting time	Initial: within 8mins Final: within 50mins		Initial: 25mins Final: 150mins	
Flow	9~11mm		24mm	
Film	30~40mm		19mm	
pH (1day)	11.62		12.35	
Compressive Strength (7days)	98.95MPa		60Mpa	

## Conclusion

- Advantages of Sure-Seal Root PT

### Simple

- Premixed putty without mixing process
- Paste-only filling

### Time

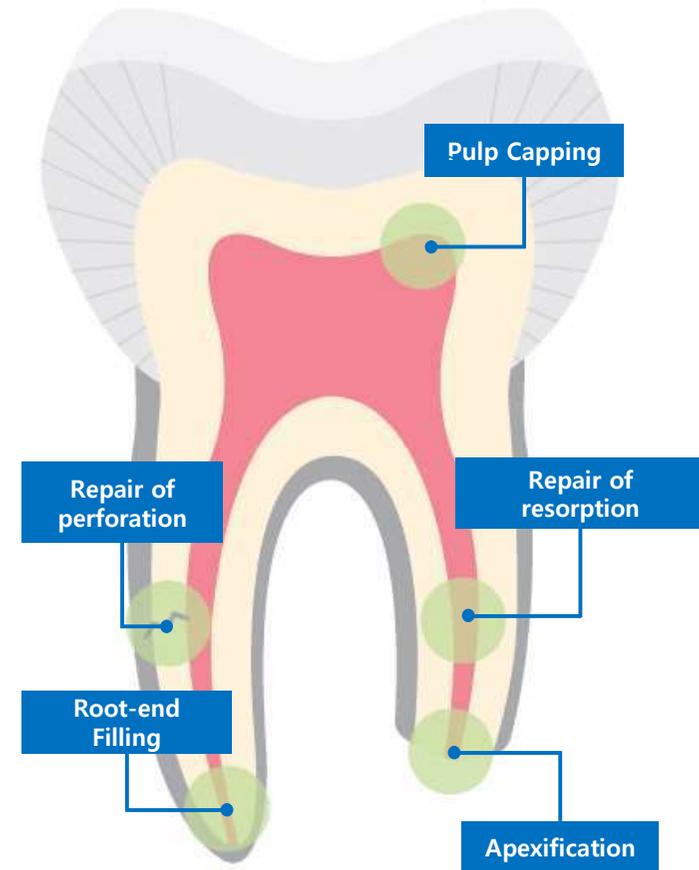
- Proper setting time for applications

### Strength

- Superior compressive strength

### Biocompatible

- Antibacterial effects by Alkaline pH
- Biocompatible elements





Thank you