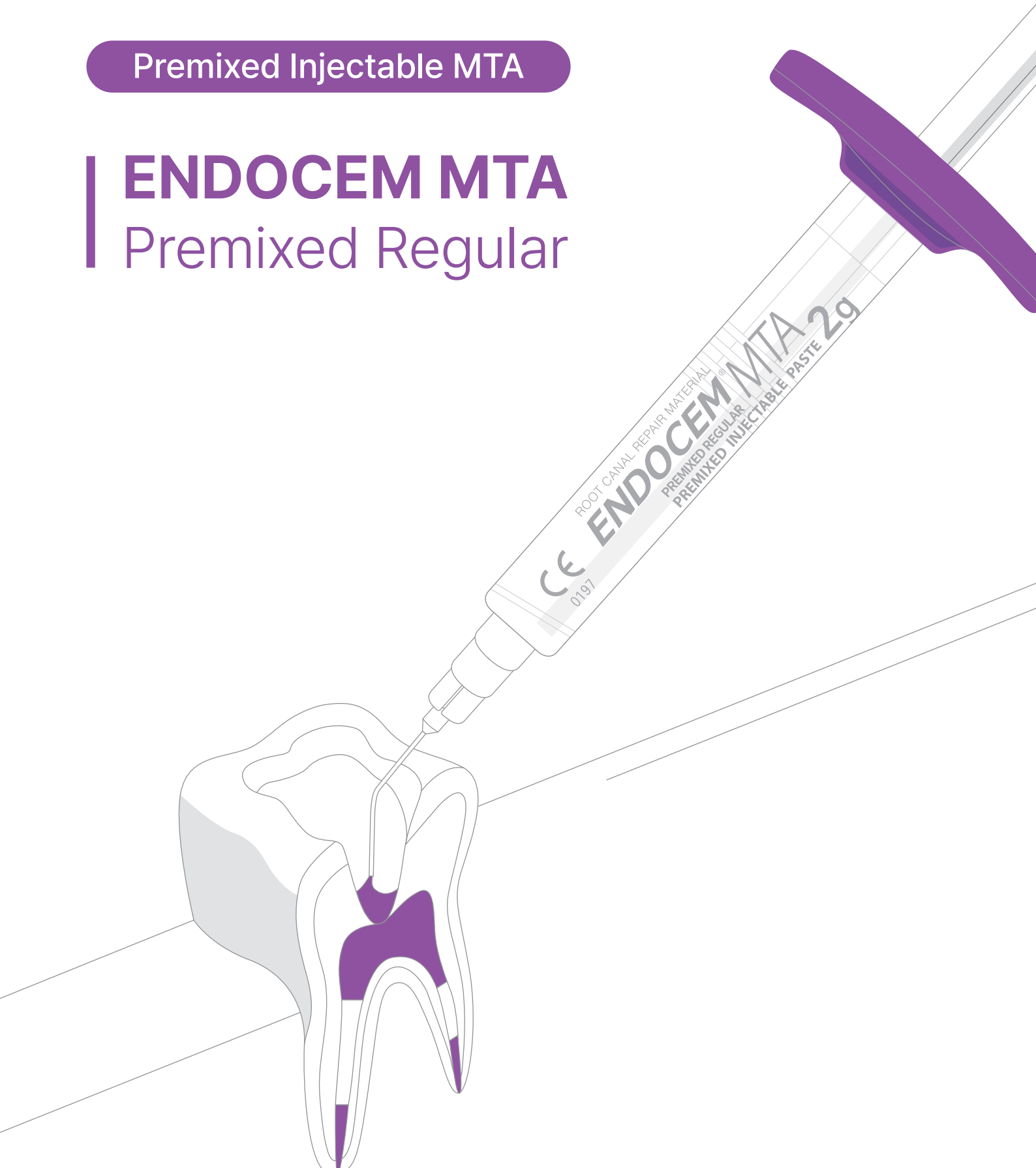


Premixed Injectable MTA

ENDOCEM MTA

Premixed Regular

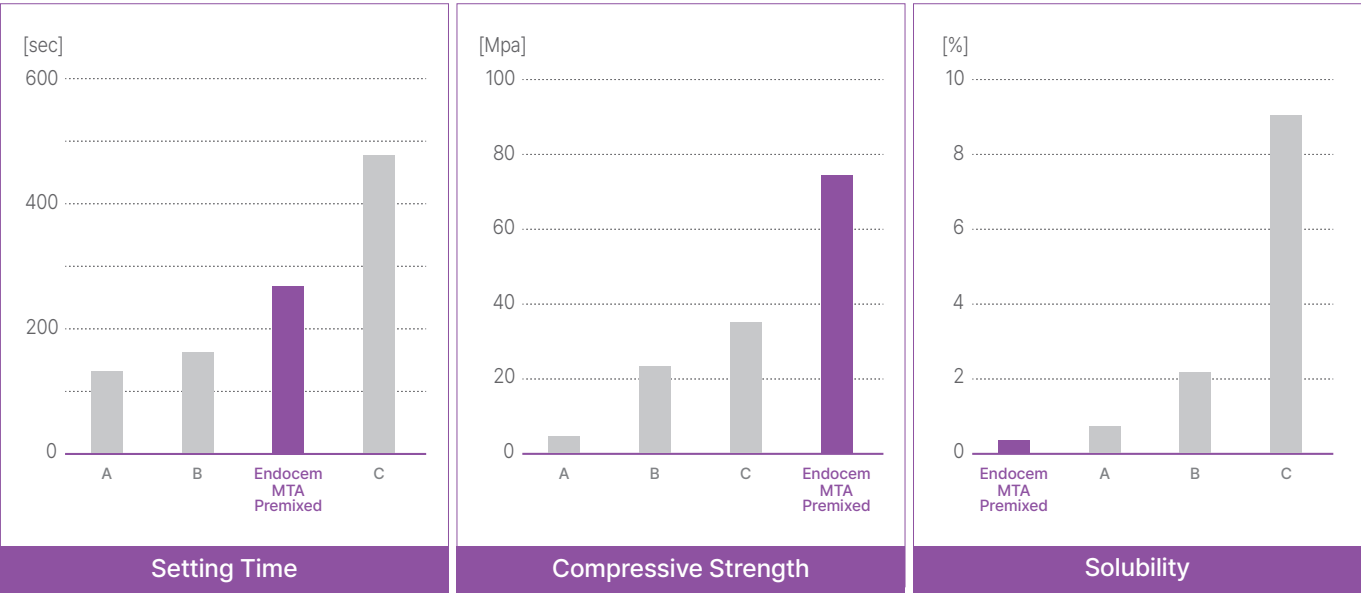


Key Features

1. Excellent Properties and Strong Hemostatic Effect

Based on pure tricalcium silicate, it boasts superior physical properties compared to traditional powder form MTA. Additionally, the phyllosilicate component provides a strong hemostatic effect and suppresses excessive shrinkage during the hardening process.

Materials	Setting time(seconds) (n=3)	Solubility(%) (n=3)	Compressive strength(Mpa) (n=5)
A	146.67 ± 5.77	2.17 ± 0.07	38.17 ± 2.50
B	123.33 ± 5.77	0.55 ± 0.03	4.07 ± 0.60
C	460.00 ± 17.32	9.01 ± 0.55	38.39 ± 7.25
Endocem MTA Premixed Regular	260.00 ± 17.32	0.17 ± 0.03	76.67 ± 25.67



*Ref. Yuji Jang et al, JKAPD. 2023.50.2.217

2. Maximized Biocompatibility

Endocem MTA* has selected Dimethyl sulfoxide as a vehicle to maximize biocompatibility. Moreover, the Endocem MTA securely seals not only exposed dentin tissue but also surrounding dentinal tubules.

* European Patent Nos 3542778

3. Effective Stimulation Blocking and Excellent Sealing Ability

Endocem MTA* provides strong sealing properties, effectively blocking stimulation and sealing not only exposed pulp tissue but also the surrounding dentinal tubules. Its sub-micron structure allows for versatile applications, making it particularly effective for perforation repairs.



4. Completed Clinical Evaluation

This study indicate that the Endocem MTA* is a viable alternative to ProRoot MTA for single-visit pulpotomies of permanent premolars and molars.

Variables		Total N=71	Treatment success			
			Success		Failure	
Overall		71	67	94.4	4	5.6
Material	ProRoot MTA	37	34	93.9	3	6.1
	Endocem MTA*	34	33	97.1	1	2.9

*Ref. Sin-Yeon Cho et al, Scientific Report 2994 (2024)

* This table is based on specific data and results selected from the original paper.

Applicational Precautions

STEP. 01

Apply Endocem MTA* in an appropriate thickness. (1-3mm)

STEP. 02

Apply a wet cotton pellet on top of Endocem MTA*, allowing the solvent and water to exchange, initiating the setting process.

STEP. 03

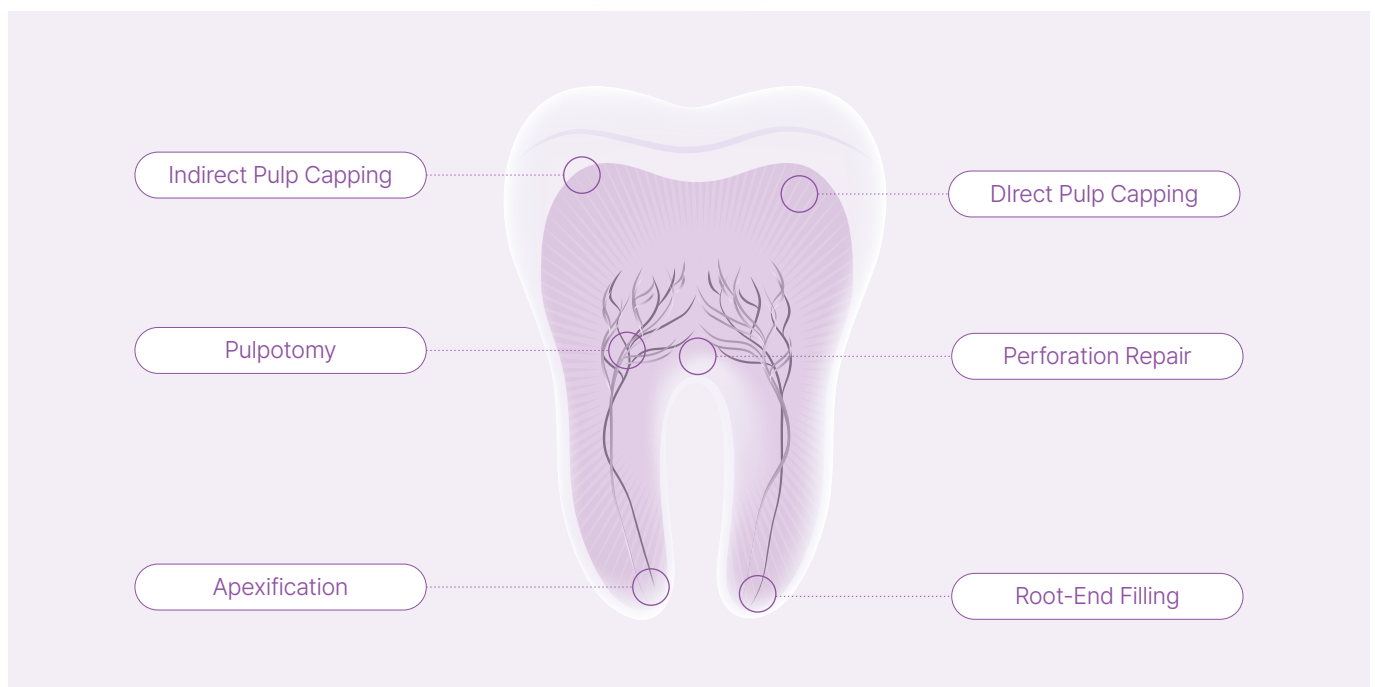
After 3-5 minutes, gently condense by lightly tapping with a wet cotton pellet, then proceed with routine treatment.

* Endocem MTA Premixed Regular is shortened to 'Endocem MTA'

Pure C3S-based Premixed Injectable MTA

Through the combination of Synthetic Pure Tricalcium Silicate, Dimethyl Sulfoxide, and Lithium Carbonate, our product offers excellent properties, biocompatibility, and aesthetics simultaneously. Provided in a paste form, it is the most economical MTA with significantly lower consumption compared to traditional powder forms, allowing for easy and efficient root canal treatment.

01. Fast Set
02. Lowest Solubility
03. Highest Compressive Strength
04. Hemostatic Action



Composition

Tricalcium Silicate, Zirconium Dioxide, Dimethyl Sulfoxide, Calcium Aluminate, Calcium Sulfate, Lithium Carbonate, Thickening Agents.