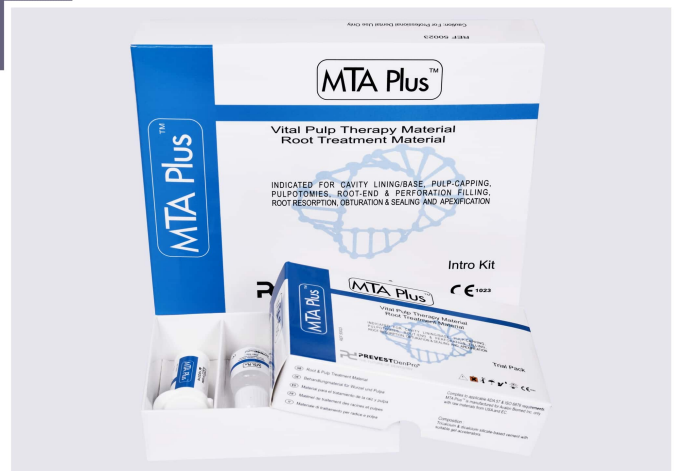


## MTA Plus™

### Root & Pulp Treatment Material

MTA Plus™ is a specialized dental cement derived from advanced material research in inorganic hydraulic powder technology. MTA Plus is indicated for both Vital Pulp Therapy and Endodontic procedures.



## Indications

- Cavity lining/base
- Pulp-capping
- Pulpotomies
- Root-end filling
- Apexification
- Perforation healing
- Root resorption
- Obturation/Sealing

## Benefits

- Finer powder for smoother, easier mixing, handling and placement
- Handy packaging-protects powder in desiccant-lined container
- Dispense powder as needed
- Optional gel for stability and washout resistance
- Non-cytotoxic & anti-microbial
- No special equipment or dispensing instruments needed

## Chemistry

MTA Plus™ is a powder/gel & liquid system. It comprises of tricalcium & dicalcium silicate and proprietary gel

## Presentation

### Trial Pack :

Product Code : 40024  
1 x Jar 1g, 1 x 2cc Gel Bottle, 1 x Measuring spoon  
1 x Instruction Manual

### Intro Pack :

Product Code : 40025  
1 x Jar 2g, 1 x 2cc Gel Bottle, 1 x Measuring spoon  
1 x Instruction Manual

## PREVEST DENPRO LIMITED

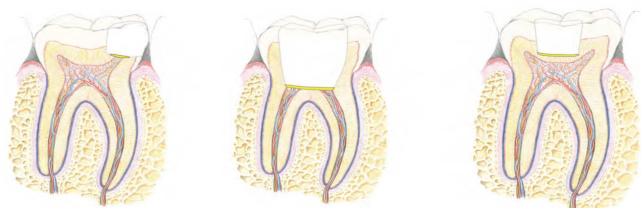
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## Clinical Procedures

### PULP CAPPING, PULPOTOMY or CAVITY LINER/BASE



- Prepare cavity.
- Excavate.

#### For a pulpotomy:

- Remove the roof of the pulp chamber and the pulp to the level of the cemento-enamel junction or slightly below this level.

#### For a pulp exposure or pulpotomy:

- Rinse with a saline solution.
- Control hemorrhage with pressure.

#### For a base/liner, pulp exposure or pulpotomy

- Wipe with a chlorhexidine solution.
- Apply mixed MTA Plus™ material.
- Remove excess & rinse gently.
- Place a composite material or a glass ionomer restorative material as an interim restoration.
- Assess the pulp vitality at three-month intervals or as needed, and confirm with a radiograph.

### ROOT APEXIFICATION or RESORPTION or PERFORATIONS



- Debride, clean, and shape the root canal system.
- Rinse with a NaOCl solution (3.0 to 6.0%).

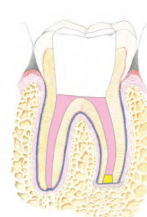
#### For root apexification:

- Dry the canal system with paper points.
- Gently compact 3 to 5 mm of MTA Plus™ in the apical region.
- Confirm placement with a radiograph.
- Rinse gently.
- Apply about 2 mm of a glass ionomer, acid-etch, and place a composite.

#### For resorption or perforations:

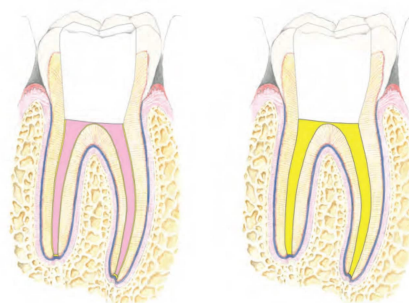
- Isolate the defect.
- Obturate the canal space apical to the defect.
- Dispense the MTA Plus™ material into the defect site.
- Gently compact the MTA Plus™ material.
- Confirm the placement with a radiograph.
- Rinse gently.
- When the MTA Plus™ material is firm (a few minutes), obturate the remaining canal space and close the coronal access.

### ROOT-END FILLING



- Surgically access the root-end and resect 2-4 mm of the root apex.
- Prepare a Class I root-end cavity preparation 3 to 5 mm deep with an ultrasonic tip.
- Isolate the area and achieve hemostasis. Dry the area.
- Gently compress the MTA Plus™ material into the root-end cavity.
- Remove excess material and clean area.
- Rinse gently.
- Confirm placement with a radiograph.
- Close the surgical site.

### SEALING & OBTURATION OF ROOT CANALS:



- Debride, clean and shape the root canal system.
- Rinse with a NaOCl solution (3.0 to 6.0%).
- Dry with paper points.
- For use with gutta percha, apply a light coating of MTA Plus™ (mixed with the gel to a syrupy, stringy consistency) to the canal walls

- DO NOT overfill the root canals!
- AVOID air bubbles in the material.
- DO NOT pump.
- MINIMIZE overextension of the material beyond the apex

- Coat the obturation points with the MTA Plus™ material and insert them.

- For complete obturation, gently compact the MTA Plus™ material into the canals and ensure placement with a radiograph.

- Confirm placement of the material in the complete root canal system with a radiograph.

**NOTE:** For removal using standard mechanical techniques for the removal of gutta-percha. If only MTA Plus™ material is used for obturation, use ultrasonic instruments.

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