Harvard MTA Universal

Endodontic bioactive repair cement based on diverse mineral oxides



(Mineral-Trioxide-Aggregat)

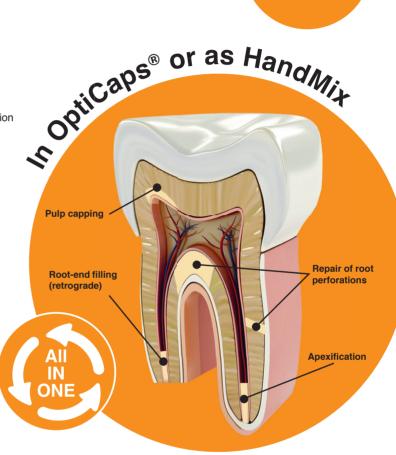
Properties

- Highly biocompatible material
- Formation of tertiary dentin over the pulp ("dentin bridge")
- Formation of a protective layer preventing bacterial penetration with the formation of calcium hydroxid and apatite
- Excellent bond to dentin
- Dimensional stability (no shrinkage)
- Excellent seal
- Comfortable application with guttapercha and other root canal sealers
- Setting not affected by humidity
- Bacteriostatic with its high pH-value
- Radiopaque, easy readable at radiographs
- Next clinical step possible after 5 min



Indications

- Repair of root perforations
- Root-end filling (retrograde)
- Apexification / orthograde root-end filling
- Direct and indirect pulp capping
- Repair of internal resorption
- Pulpotomy







Avdantages of powder / liquid

- Flexible and economical.
- Adapt the consistency based on the procedure.
- Can easily be mixed to a nice creamy consistency.

Avdantages of OptiCaps®

- Easy handling and reproducible.
- Nice creamy consistency: fast and consistent

Technical Data Mixing ratio

Powder : liquid (by weight)

2:1 2.6:1 3:1

Technical Data Mixing time

(23 °C / 73 °F)

30 sec

Working time

(23 °C / 73 °F)

3 min 2 min 1 min

Working time (23 °C / 73 °F)

Next clinical step after

5 min 5 min 5 min

Next clinical step after

2 min 5 min

Due to MTA, good long term prognosis.







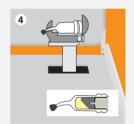
- 1. Initial situation: Damaged root canal wall and demineralized bone
- 2. After treatment: Root canal perforation sealed with Harvard MTA Universal
- 3. After one year: Perfect seal of the application areas New remineralized bone and better retention of the tooth

Click before you mix. Instructions for activating and mixing Harvard OptiCaps®

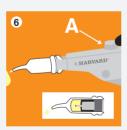












- 1. OptiCaps® before activation.
- 2. Activation: press the plunger to the end into the capsule.
- 3. Insert the OptiCaps® into the applier and click once to standardize.
- 4. Mix the OptiCaps®.
- 5. Insert the OptiCaps® into the applier. Remove the pin. Pull the lever twice (2 clicks) to prime the OptiCaps®.
- 6. Unlock the gun (push button A) and remove the OptiCaps®.

* Internal data - and graphic of Harvard Dental International

Article Information	Bestell-Nr.	Article Information	Bestell-Nr.
Harvard MTA Universal OptiCaps®	7081502	Harvard MTA Universal HandMix	7081507
2 OptiCaps® ea. 0.3 g, ea. packed in an aluminium pouch		1 g powder, 3 ml liquid, dosing spoon, mixing pad, spatula	



Marke und Qualität seit 1892

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