



Harvard MTA Universal

Endodontic bioactive repair cement based on diverse mineral oxides

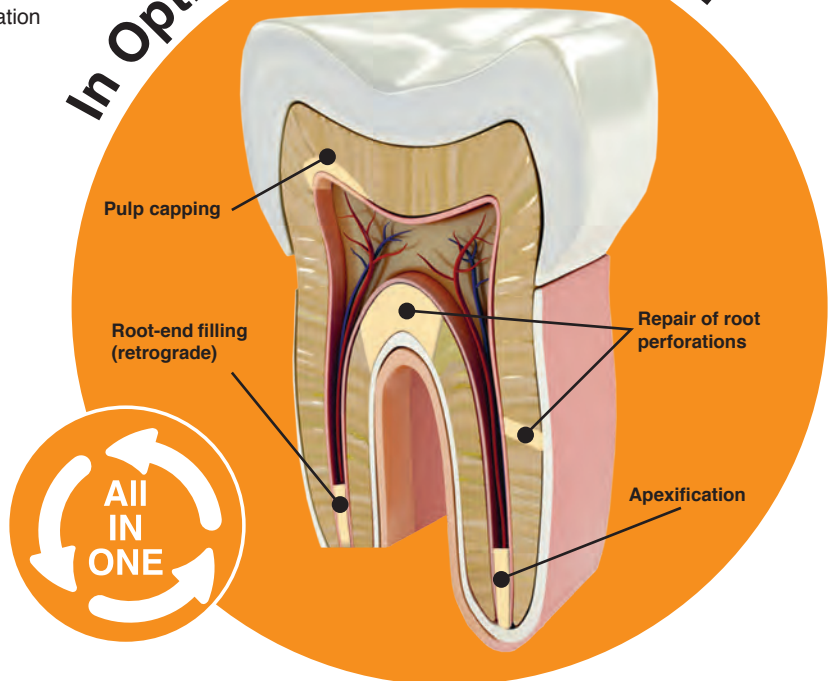
(Mineral-Trioxide-Aggregat)



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**

In OptiCaps® or as HandMix.



ea. 0.3 g



Indications

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



Advantages of powder / liquid

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

Advantages 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

Working time

(23 °C / 73 °F) 3 min 2 min 1 min

Next clinical step after

5 min 5 min 5 min

Technical Data

Mixing time

(23 °C / 73 °F) 30 sec

Working time

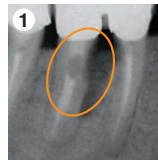
(23 °C / 73 °F) 2 min

Next clinical step after

5 min

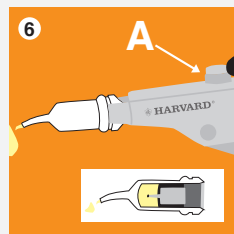
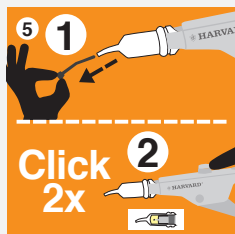
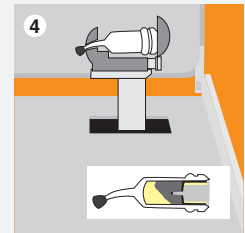
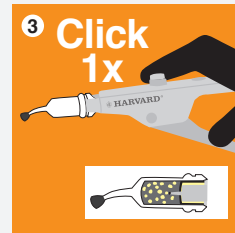
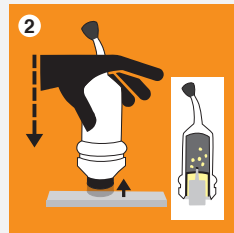
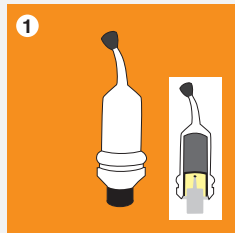


Due to MTA, good long term prognosis.



- 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 applicator and click once to standardize.
4. Mix the OptiCaps®.
5. Insert the OptiCaps® into the applicator. Remove the pin. Pull the lever twice (2 clicks) to prime the OptiCaps®.
6. Unlock the gun (push button A) and remove the OptiCaps®.

Article Information

Harvard MTA Universal OptiCaps®
2 OptiCaps® ea. 0.3 g,
ea. packed in an aluminium pouch

Order no.

7081502

Article Information

Harvard MTA Universal HandMix
1 g powder, 3 ml liquid,
dosing spoon, mixing pad, spatula

Order no.

7081507

Liability is excluded for all printing errors and omissions. Before using our Harvard products, the respective directions for use should be observed in every case. All measurements are internal measurements of Harvard Dental International.

Harvard Distribution Partner.



HARVARD®

Marke und Qualität seit 1892

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