

HARVARD MTA XR Fast OptiCaps User Manual

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HARVARD®

Marke und Qualität seit 1892

Harvard MTA XR Fast
OptiCaps® Especially for root-end filling (retrograde)



Instructions for Use

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MTA cement, extra radiopacity, extra fast

Harvard MTA XR Fast OptiCaps® is a biocompatible repair cement in OptiCaps®. Due to its firm consistency in combination with a short setting time MTA XR Fast is the ideal choice for root-end filling (retrograde).

Harvard MTA XR Fast powder consists of very fine hydrophilic particles of several hydraulic mineral oxides. After contact with the liquid it forms a gel that hardens to an impermeable barrier.

Harvard MTA XR Fast OptiCaps® are easily activated and the content of the capsule is easily ejected with the Harvard Applier OptiCaps®. Mixing of Harvard MTA XR Fast OptiCaps® (mixing time 30 seconds) is achieved by a high frequency mixer with about 4,300 oscillations/minute.

Indications

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

Contraindications / side-effects

None known.

Activation and mixing

See "Instructions for the activation and mixing of Harvard OptiCaps®"

Mixing time for the Harvard MTA XR Fast OptiCaps® is 30 seconds.

Attention:

Avoid lag times between the processes of activation, mixing and application as the material is in the process of setting and lag times may impair or prevent application of the material.

The material must be extruded within 10 seconds after the end of mixing.

To prevent dehydration during setting, apply Harvard MTA XR Fast immediately after mixing.

Working time

Working time at 23° C (from the start of mixing): about 2 minutes

Applications

Repair of root perforations

Place rubber dam and clean the root canal system using intracanal instruments and irrigate with NaOCl. Dry the root canal with paper points and isolate the perforation.

Fill the root canal apical of the perforation completely with a suitable root canal filling material.

Mix a capsule of Harvard MTA XR Fast OptiCaps® as described under item 1 and extrude it on a glass plate.

Apply Harvard MTA XR Fast with suitable instruments into the perforation site and condense it.

Check the position of Harvard MTA XR Fast in the root canal by an X-ray. If an adequate barrier has not been created, rinse the MTA cement out of the canal and repeat the procedure.

Remove excess moisture with a cotton pellet or a paper point. Place a moist cotton pellet in the access to the root canal and apply a temporary filling material.

Alternatively seal the root canal with a suitable root canal filling material and seal the cavity with a tight filling. Both options can be done at the earliest 3 minutes after placement of the Harvard MTA XR Fast. Harvard MTA XR Fast

repair material remains as a permanent part of the root canal filling.

Root-end filling (retrograde)

Create a surgical access to the root-end and resect the root.

Prepare an apical cavity to a depth of 3-5 mm.

Isolate the area and dry the root-end cavity with paper points.

Achieve hemostasis with suitable methods.

Mix a capsule of Harvard MTA XR Fast OptiCaps® as described under item 1 and extrude it on a glass plate.

Apply Harvard MTA XR Fast with suitable instruments and condense it using a small plugger.

Remove excess cement and clean the surface of the root with a moist piece of gauze.

Confirm placement of Harvard MTA XR Fast repair material with an X-ray. Harvard MTA XR Fast remains as a permanent part of the root canal filling.

Pulp capping

Place rubber dam and prepare the cavity. Rinse the cavity and exposed pulpal areas with a suitable disinfectant.

Mix a capsule of Harvard MTA XR Fast OptiCaps® as described under item 1 and extrude it on a glass plate.

With a suitable instrument apply a small amount of Harvard MTA XR Fast over the exposed pulp and remove excess moisture with a cotton pellet.

At the earliest 3 minutes after application of Harvard MTA XR Fast place a small amount of a flowable light cure liner (e.g. Harvard IonoLine) and light cure.

Etch the remaining cavity walls according to the total-etch-technique with Harvard Etch and apply a suitable bonding agent (e.g. Harvard Bond TE Bond) according to the corresponding instructions.

Place a light cure composite (e.g. Harvard PremiumFill) according to the instructions and light cure.

Check pulp vitality and status regularly.

Apexification / Root-end filling (orthograde)

Place rubber dam and clean the root canal system using intracanal instruments and irrigate with NaOCl. Dry the root canal with paper points.

For disinfection place calcium hydroxide paste in the root canal and seal the access opening with a temporary filling material.

After one week remove the calcium hydroxide paste from the root canal system.

Mix a capsule of Harvard MTA XR Fast OptiCaps® as described under item 1 and extrude it on a glass plate.

With a suitable instrument apply a small amount of Harvard MTA XR Fast into the apical region and condense it.

Create a 3 – 5 mm barrier of MTA cement.

Check the position of Harvard MTA XR Fast by an X-ray. If an adequate barrier has not been created, rinse the MTA cement out of the canal and repeat the procedure.

At the earliest 3 minutes after application of the Harvard MTA XR Fast place a cotton pellet in the access to the root canal and apply a temporary filling material.

Alternatively seal the root canal with a suitable root canal filling material and seal the cavity with a tight filling.

Notes

- In the first hour after application handle the placed MTA cement carefully.
- Store Harvard MTA XR Fast OptiCaps® in the sealed packaging in a dry place prior to use.
- Harvard MTA XR Fast can cause discoloration.

Storage

Store Harvard MTA XR Fast at a dry place at 2 – 25 °C (36 °F – 77 °F).

Do not use after expiry date.

Harvard MTA XR Fast OptiCaps® are for single use only.

Warranty

Harvard Dental International GmbH warrants this product will be free from defects in material and manufacture. Harvard Dental International GmbH makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusive remedy and Harvard Dental International GmbH's sole obligation shall be repair or replacement of the Harvard Dental International GmbH product.

Limitation of liability

Except where prohibited by law, Harvard Dental International GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

For dental use only!

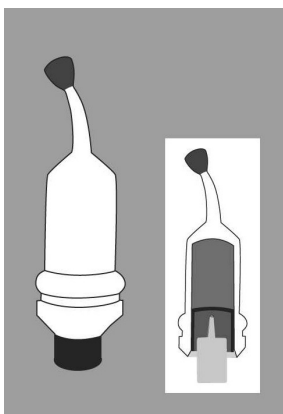
Store product out of reach of children!

Keep the instructions for use for the duration of the application.

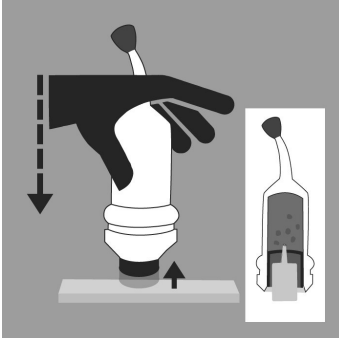
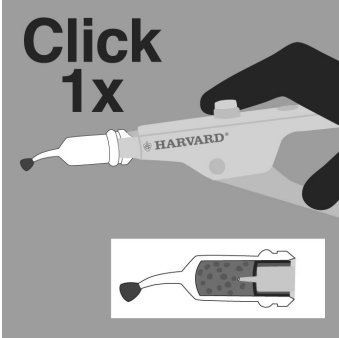
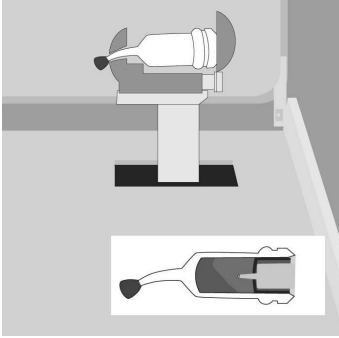
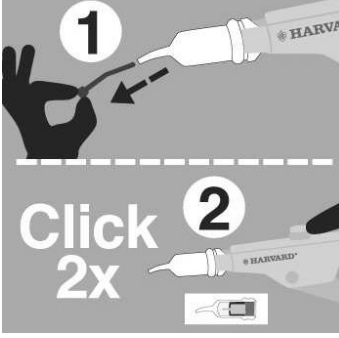
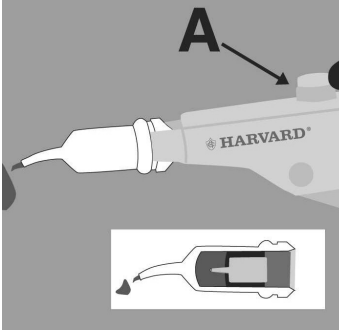
Order.-No.	Article
7081506	Harvard MTA XR Fast 2 OptiCaps® ea. 0.25 g, ea. packed in an aluminium pouch
7092000	Harvard Applier OptiCaps®

Harvard OptiCaps®

Activation and mixing of Harvard OptiCaps®



Harvard OptiCaps® before activation.

	<p>For activation of the Harvard OptiCaps®, press the plunger on a hard and plane surface to the end into the capsule.</p>
	<p>Insert the Harvard OptiCaps® into the Harvard Applier OptiCaps® and click once. Note: The plunger must be at the same level as the bottom of the capsule.</p>
	<p>Insert the Harvard OptiCaps® into a standard mixer, close the lid and mix immediately for 30 seconds at 4,300 oscillations/minute.</p>
	<p>Insert the Harvard OptiCaps® into the Harvard Applier OptiCaps®. Remove the pin from the nozzle. If you leave it, the capsule can burst. Pull the lever 2 times (2 distinct clicks) to prime the the Harvard OptiCaps®.</p>
	<p>Extrude the mixed material on a glass plate or apply directly. Unlock the Harvard Applier OptiCaps® (press button A) and remove the Harvard OptiCaps®. The optimal amount of mixed material is guaranteed only with the Harvard Applier OptiCaps® (Order-No. 7092000).</p>

For the selection of a suitable capsule mixer, our sales and marketing colleagues are gladly available to you.

Made in Germany



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Documents / Resources



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MTA XR Fast OptiCaps, Fast OptiCaps

References

- [Sie sehen hier eine soeben freigeschaltete Homepage](#)
- [Startseite - Harvard Dental International](#)