



HARVARD®

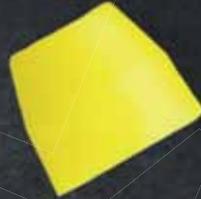
Harvard MTA XR *OptiCaps*® Specialties

The Endodontics is full of chances ...

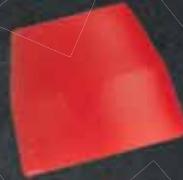
New



Ideal for capping of vital pulps



Ideal for root end filling (orthograde)



Ideal for root end filling (retrograde)



Ideal for sealing of root canal perforations

... perfection in 4 variations.



www.harvard-dental.de

The new MTA XR specialties

Perfection in 4 variations.

MTA (Mineral-Trioxid-Aggregat) is an endodontic repair cement which cannot be missed in a dentist practice for a long time.

Do not accept anything ordinary, if you can obtain the absolute perfection at the highest level now.

The future is: **Harvard MTA XR OptiCaps®**. Now Harvard presents four intelligent developments in the field of MTA cements:

-  **Harvard MTA XR Flow Fast**
-  **Harvard MTA XR Flow EWT**
-  **Harvard MTA XR Fast**
-  **Harvard MTA XR**

4 products – 4 unbeatable arguments:

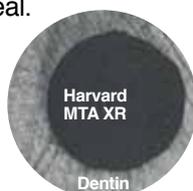
- high **biocompatibility**
(formation of calcium hydroxide and apatite)
- **excellent stability** in tissue fluid after setting
- **excellent marginal seal***
- increased **radiopacity** for easy interpretation of radiographs

The **new Harvard MTA XR product specialties** are delivered in capsules. The comfortable mixing with a commercial capsule mixer saves time and offers these benefits:

- very good reproducible material properties
- always a homogeneously mixed material
- high safety during handling
- optimal consistency for every indication

* Marginal seal

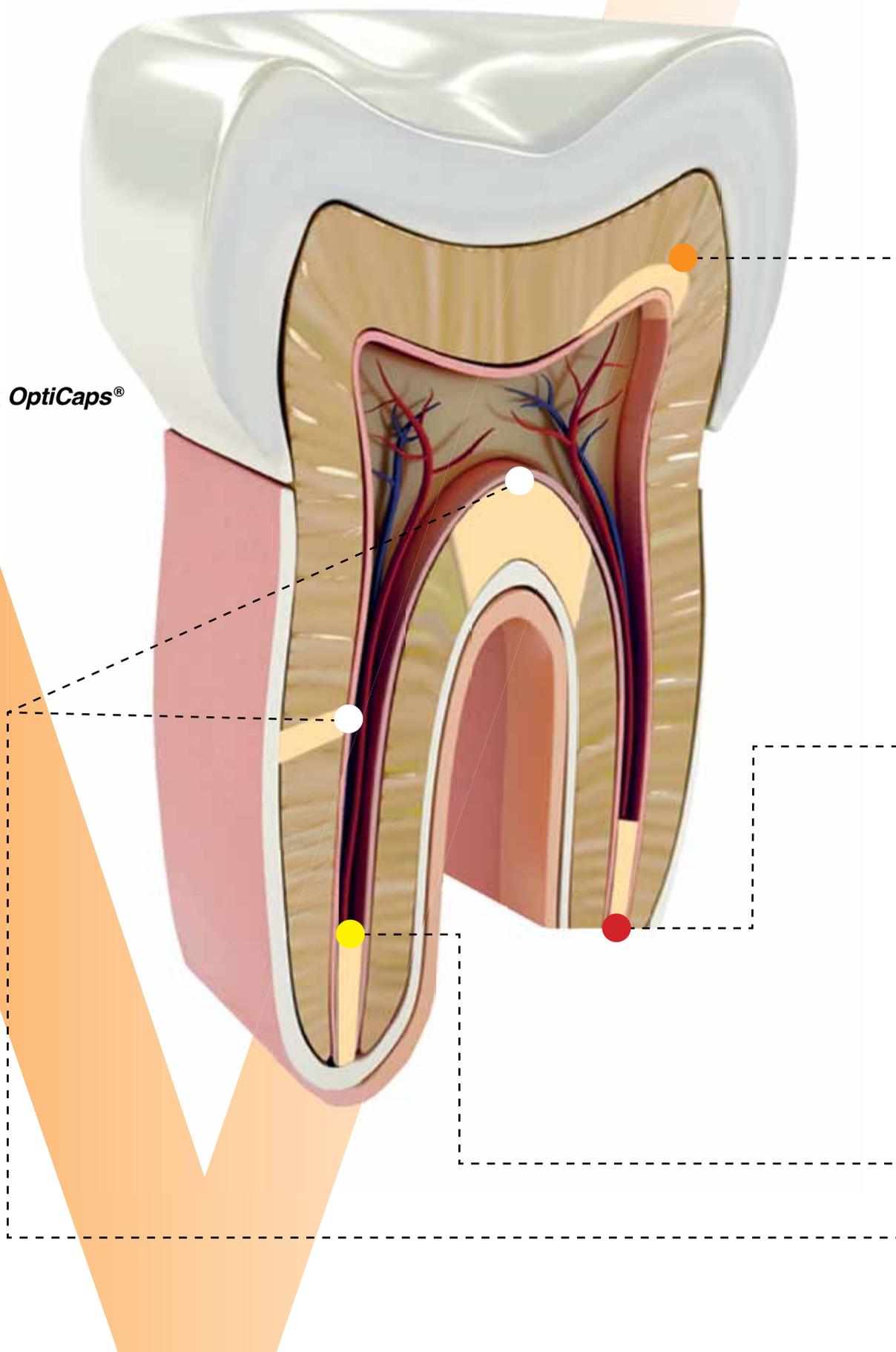
Each of the new 4 MTA XR specialties show an excellent adhesion to dentin which lead to an excellent marginal seal.



Harvard MTA XR OptiCaps®
Specialties

For each indication
a **special solution.**

Harvard MTA XR *OptiCaps*[®]
Specialties



Discover the MTA XR-Concept ...

... the new variations of Harvard MTA cement offer the following combinations of material properties:
Flowable or firm consistency with a shorter or longer working- or setting time.

Thus each of the four products becomes an ideal solution for a professional endodontic application.

Discover these smart products by yourself.

Harvard MTA XR Flow Fast



Ideal for pulp capping

- Very short setting time
- Extra white and flowable

Working time	02:00 min
Next clinical step possible after	03:00 min
Setting time	10:00 min

Harvard MTA XR Fast



Ideal for retrograde root end filling

- Very short setting time
- Increased radiopacity

Working time	02:00 min
Next clinical step possible after	03:00 min
Setting time	06:00 min

Harvard MTA XR Flow EWT

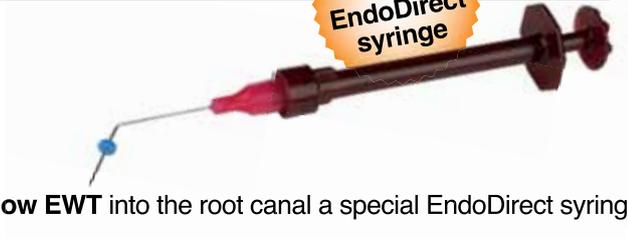


Ideal for orthograde root end filling

- Extra long working time
- Perfect application with Harvard EndoDirect syringe (optional)

Working time	04:00 min
Next clinical step possible after	10:00 min
Setting time	40:00 min

Perfect with EndoDirect syringe



For the perfect application of **Harvard MTA XR Flow EWT** into the root canal a special EndoDirect syringe is available.



Bended needle tip with individual working length



Filling of the Harvard EndoDirect syringe



Bring piston into the Harvard EndoDirect syringe



Application of MTA XR Flow EWT into the root canal

Harvard MTA XR



Ideal for sealing of root perforations

- Increased radiopacity
- Excellent sealing

Working time	02:00 min
Next clinical step possible after	05:00 min
Setting time	12:00 min

Smart. More intelligent. Harvard MTA XR OptiCaps® Specialties

The Harvard clinical case ...

... with Harvard MTA XR Flow Fast



Initial situation:
Anterior tooth trauma 21



Partial
pulpectomy



Application of
Harvard MTA XR Flow Fast



Covering with glass
ionomer cement



4 months after dental trauma:
21 vital



1 year after dental trauma:
21 vital

Source: Thonemann/Federlin, University of Regensburg (Germany)

Article

Order no.

Harvard MTA XR Flow Fast
Harvard MTA XR Flow EWT
Harvard MTA XR Fast
Harvard MTA XR

7081503
7081504
7081506
7081505

This product range contains ea. 2 MTA XR OptiCaps® ea. 0.25 g packed in an aluminum pouch.

Harvard MTA XR Flow EWT & EndoDirect syringe
2 OptiCaps® ea. 0.25 g
2 syringes with bendable endo tip

7081509

Harvard Applier OptiCaps®

7092000

