

Mineral-trioxide-aggregate endodontic cement



Oxford bioactive MTA is the ideal product for repair of root perforation and apex closure (ortho or retrograde) as well as for direct pulp capping. It avoids necrosis, it is biocompatible and bioactive as it stimulates formation of tertiary dentine. Very high pH protects against bacterial penetration while creating calcium ions that aid in forming new tooth structure in the form of tertiary dentine. Therefore it is the perfect choice endodontic treatment.

Oxford MTA is delivered as handmix or in capsules, allowing an easy placement, void free mixing and optional consistency.

6 Reasons Oxford MTA is a superior material

1. Highly biocompatible and bioactive material creates calcium hydroxide ($\text{Ca}(\text{OH})_2$ that is known to have antibacterial effect) and creates apatite to form new tooth structure (tertiary dentine).
2. No shrinkage with good bond/seal to dentine.
3. Very high pH value protects against bacteria.
4. Convenient capsules mixing with high safety and reproducible consistency.
5. Good radiopacity means easy x-ray detection.
6. Significant time-saving with next clinical step possible after 5 minutes.


Physical data

Mixing Time 30 seconds
Working Time > 2 minutes

After 5 minutes you can continue the clinical procedure as the material has set sufficiently allowing the following treatment.

Literature:

1. Torabinejad M, Pariokh M: „Mineral trioxide aggregate: a comprehensive literature review-part I: Chemical, Physical and Antibacterial Properties; J Endod 2010 Jan; 36(1):16-27
2. Torabinejad M, Pariokh M: „Mineral trioxide aggregate: a comprehensive literature review-part II: leakage and biocompatibility investigations; J Endod 2010 Feb; 36(2):190-202
3. G. Schmalz et al; Biocompatibility of Dental Materials; S. 206-207; Springer; 2009
4. J. Mente; „Mineral Trioxide Aggregate or Calcium Hydroxide Direct Pulp Capping: An Analysis of The Clinical Treatment Outcome”; J of Endodontics; 36(5), 806-813, May 2010
5. Ferracane et al; „Comparison of CaOH with MTA for Direct Pulp Capping: A PBRN Randomized Clinical Trial”; J of Dental Research; 92(1),16s-22s, July 2013



Product Peek

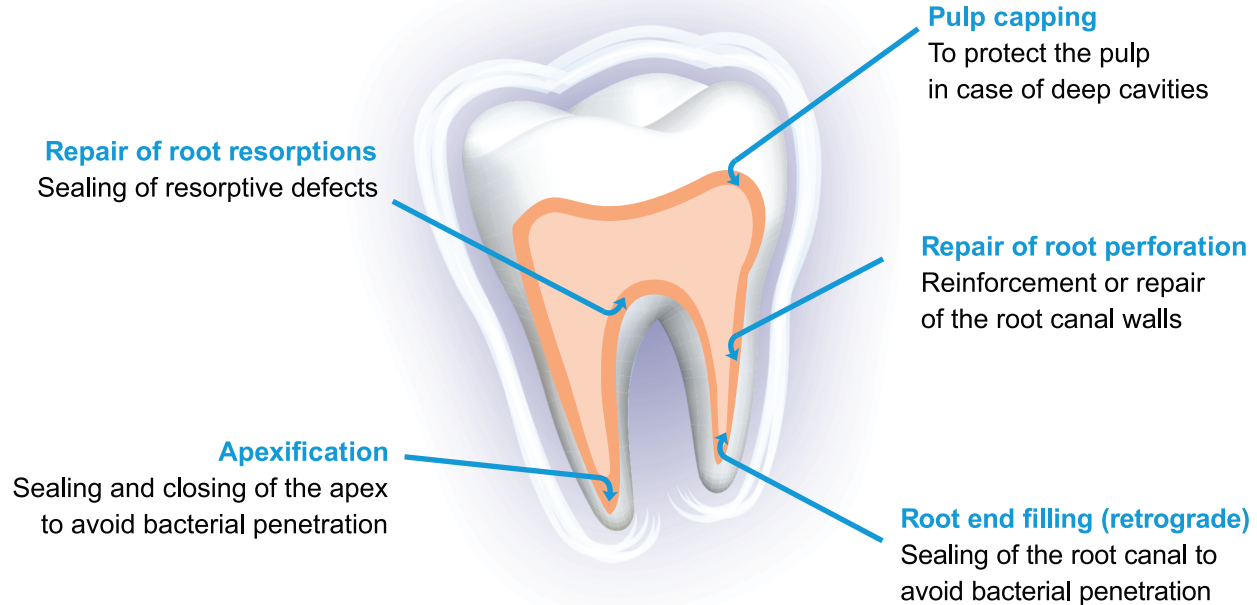
Oxford MTA works great with Oxford Active CAL PC

Light Cure Resin-reinforced MTA Pulp Capping Material

Oxford Active Cal PC is a light cure resin reinforced MTA pulp capping material specifically formulated for pulp capping either direct or indirect. It contains MTA like bioactive properties with significant calcium release stimulating the formation of hydroxylapatite and building of tertiary dentin helping the formation of a tertiary dentin bridge.

Oxford MTA: Rescue the root canal

Oxford MTA Indications



Ordering Information

Oxford MTA, Mineral-Trioxide-Aggregate endodontic cement

Part Number	Article
40-001	Oxford MTA Capsules: pack of 2 capsules ea. 0,3 g
40-002	Oxford MTA HandMix: 1g powder / 3 ml liquid, dosage spoon, mixing pad
05-002	Oxford Capsule Applier

Error and omissions excluded. The Oxford Scientific products are only to be used by dentists and for its intended use.

