



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 Active Cal PC is a superior alternative to calcium hydroxide, glass ionomer, resin modified glass ionomer and other materials.

Indications of Oxford ActiveCal PC

1

Direct pulp capping for any pulpal exposures, including:

- carious pulp exposure
- mechanical pulp exposure
- pulp exposures due to trauma

2

Indirect pulp capping agent in deep preparations:

- under amalgam restorations
- under Class I and Class II composite restorations
- under cements

7 Reasons

Oxford Active Cal PC is a superior material

1. Bioactive with significant calcium release that stimulates the formation of hydroxylapatite and tertiary dentin (dentin bridge)
2. High pH with antibacterial effect and promotes pulp vitality
3. Light cure that is time-saving and convenient
4. Ready to use one component syringe with easy application
5. Radiopaque means easy x-ray detection
6. Insulation and pulp protection forms a protective barrier to protect the pulp from thermal changes
7. Bonding techniques can be placed under restorative materials & cements while bonding chemically with resin based materials



Product Peek

Oxford Active CAL PC works great with Oxford MTA

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.

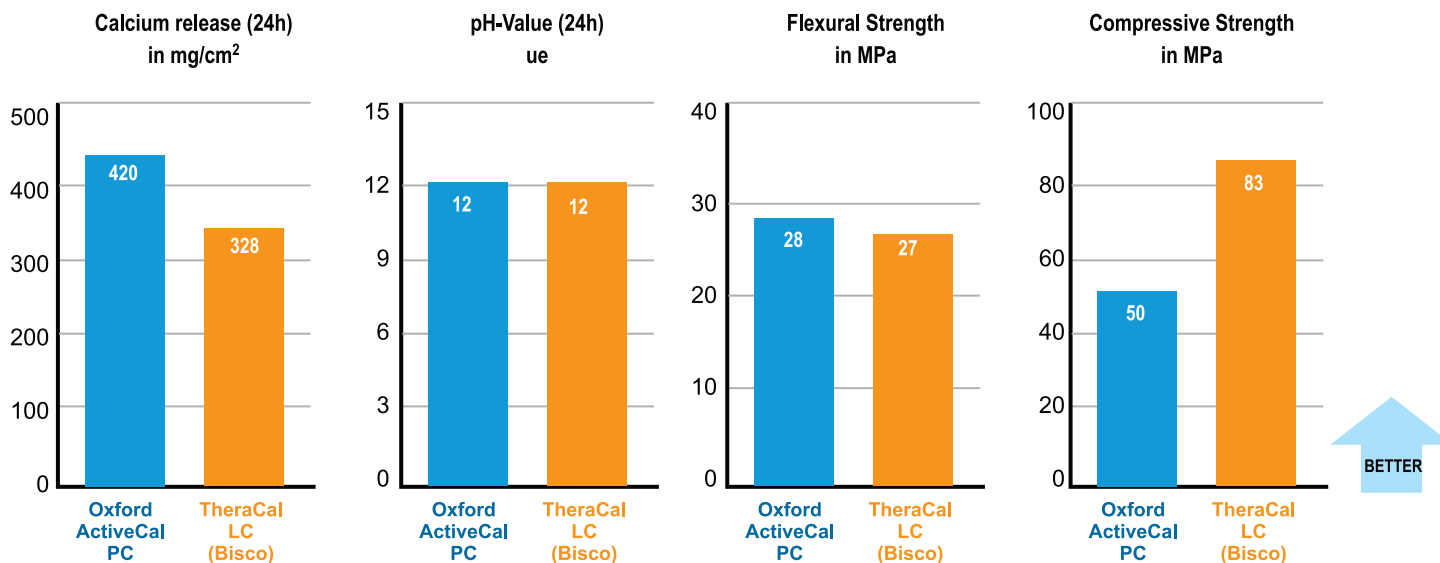
Literature:

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

¹Types of Dentin

- Primary Dentin: all dentin formed prior to root formation or completion.
- Secondary Dentin: all dentin produced after root formation or completion (physiological).
- Tertiary Dentin: all reparative dentin.

Physical Properties of Oxford ActiveCal PC



Ordering Information

Oxford ActiveCal PC, light-cure resin-reinforced MTA pulp capping material

Includes: 2 x 1 g syringe | 24 x Oxford Needle TIP 22

Part Number

23-007

02-009

Article

Oxford ActiveCal PC, 2 x 1 g syringe | 24 x Oxford Needle TIP 22

50 x Oxford Needle TIP 22

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

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