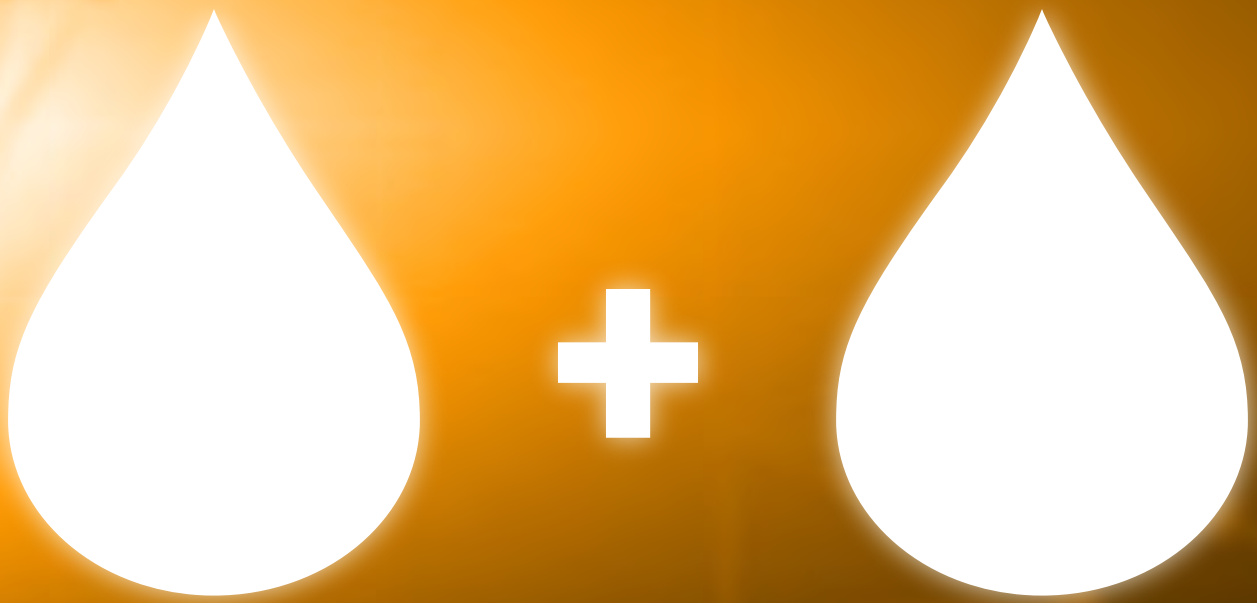
MTA-Fillapex

Bioceramic Root Canal Sealer



angelus®

MTA-Fillapex

Bioceramic Root Canal Sealer

Approximately **15** applications

The only one on market with **MTA**

Approximately **200** applications

Approximately **80** applications

- **Biocompatible:** fast tissue recovery without causing infammatory reaction;
- **High radiopacity:** great radiographic visualization;
- **Excellent flow:** allows filling of accessory canals;
- **Release of Ca^{2+} formation:** helps in the quickly recovery of bone and cementum formation;
- **Adequate working time:** allows its use by endodontists and general practitioner
- **Resin-based:** easy to remove with gutta-percha solvents.

Merely illustrative images.

PRESENTATIONS

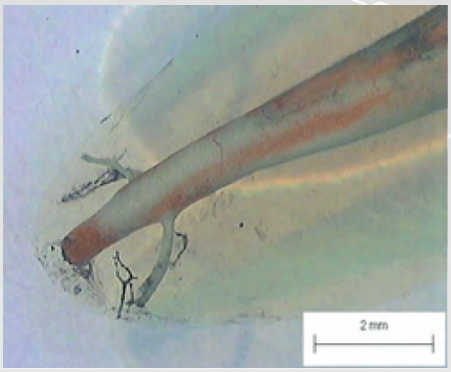
826	Tubes (30g) packing with 1 tube of base paste (18g), 1 tube of catalyst paste (12g) and 1 mixing block.
827	Syringe (4g) packing with 1 syringe (4g), 15 self-mixing tips and 1 mixing block.
8288	Tubes (12g) packing with 1 tube of base paste (7,2g), 1 tube of catalyst paste (4,8g) and 1 mixing block; 158 - Pack with 10 automixing tips.
8270	Syringe (4g) packing with 1 syringe (4g), 15 intracanal self-mixing tips and 1 mixing block.

v1.000 - 09082024

PHYSICAL, CHEMICAL AND BIOLOGICAL PROPERTIES

Sealing of root canals

MTA-Fillapex shows an optimized flow. It provides excellent filling and sealing of the main and lateral canals, as shown below.



SANTIAGO, G.C. Comparative "in vitro" study of apical sealing techniques using lateral condensation and Tagger's hybrid cements with Pulp Canal Sealer™ and MTA-Fillapex - CIODONTO MG, 2011

Flow

MTA-FILLAPEX	ISO 6876:2012
21.11 (average diameter)	≥17 mm (average diameter)

Flow rate: 21.11mm - allows the filling of accessory channels

(SPIRONELLI RAMOS, C.A, DDS, MS, PhD)

Film Thickness

MTA-FILLAPEX	SUGGESTED ISO 6876:2012
15.00µm*	≤50 µm

* Proves its high filling capacity, even in secondary and accessory canals.

Solubility

According to the ISO recommendations after the solubility test, the weight difference between the initial and final Petri plate weights (where the samples were stored), represents how much the material solubilized. This value should not exceed 3%.

MTA-FILLAPEX	ISO 6876:2012
0.07%	≤3%

Conclusion:
The material showed a variation of 0.1%, after submission to the phenomenon of solubility, a value lower than the maximal variation accepted by ISO which is 3%.*

*Center for the Development and Control of Biomaterials UFPel (Brazil)

MTA-FILLAPEX presented solubility of 0,07 (± 0,03) %. As expected, the solubility was determined in accordance with EN ISO 6876:2012, did not exceed 3% by mass and show no disintegration, when observed visually.

Radiopacity

The sealer, when tested, shall have a radiopacity equivalent to not less than 3 mm (ISO 6876:2012). MTA-Fillapex® presented radiopacity of 4-5 mm compared to Al scale.

X- ray after using MTA-Fillapex.

Image kindly provided by Prof. Dr. Leandro A. P. Pereira, Professor of Endodontics, Dental School São Leopoldo Mandic, Master and Doctor in Pharmacology, Anesthesiology and Drug Therapy Universidade Estadual de Campinas (UNICAMP), Specialist in Endodontics, Operative Microscopy and Inhalation Sedation.

Working Time - 23 minutes

The obtained time is perfectly adequate to follow all steps of the endodontic filling technique, especially in cases of teeth with multiple root canals.

Setting Time

ISO does not show a specific time for materials that exceed 30 minutes in their setting times, so the only requirement is that this should be evaluated and reported by the manufacturer.

MTA-Fillapex showed average setting time until 150 minutes (2 hours and 30 minutes).

Simplified!

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