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Root Canal Sealer
INSTRUCTION FOR USE

MM-SEAL™ is a resin-based root canal sealer of the highest quality

DIRECTION FOR USING MM-SEAL™

MM-SEAL™ is an epoxy resin based root canal sealer which is a paste-paste type of dual syringe.
It has an outstanding chemical and physical property including extremely excellent sealing property and biocompatibility MM-SEAL™ complies biocompatibility with the requirements of ISO6876 for dental root canal sealing materials.

COMPOSITION

Base
Epoxy oligomer resin, Ethylene glycol salicylate, Calcium phosphate, Bismuth subcarbonate, Zirconium oxide

Catalyst
Poly aminobenzoate, Triethanolamine, Calcium phosphate, Bismuth subcarbonate, Zirconium oxide, Calcium oxide

CHARACTERISTICS

When using MM-SEAL™ in combination with gutta-percha points, this material shows the following properties:
1. Easy to mix by paste:paste
2. Hermetic sealing ability
3. Nonstaining to teeth
4. Insoluble in tissue fluids
5. Excellent biocompatibility
6. Good radiopacity
7. Working time of 35 minutes at 23°C(73°F)
8. Setting time of 45 minutes at 37°C(99°F)

INDICATION

Permanent obturation of root canals in combination with obturation points.

CONTRAINDICATIONS

Known hypersensitivity against epoxy resins or other components, respectively, of the root canal filling material.

MIXING

Mix automatically pushed out volume units (2:1 wt. Ratio) of Base and Catalyst from the dual syringe on a mixing pad using spatula for 15-20 seconds or until creamily homogeneous consistency.

APPLICATION

Canal walls must be dry. MM-SEAL™ should be carried to the canal with either lentulo spiral or obturation points (gutta-percha, silver or titanium root canal points).
To avoid the formation of air bubbles in the material and overfilling of the canal, Advance the lentulo spiral slowly to the apex running at very low speed. Withdraw lentulo very slowly still running at low speed.
Dip the disinfected and dry master point into MM-SEAL™ and with pumping motions slowly push it into the canals.

MM-SEAL™ is an endodontic product for every dental practice.
It can be used for all established and more recent root canal sealing techniques.
It is suitable for the single-point method, thermoplasticize method and all condensation techniques.

REMOVAL OF ROOT CANAL FILLING

If MM-SEAL™ is used in combination with gutta-percha points, the root canal filling can be removed using conventional techniques for the removal of gutta-percha.

WARNINGS

MM-SEAL™ contains epoxy resins or amines which may cause sensitization in susceptible persons.

CAUTIONS

Do not use MM-SEAL™ in allergic persons
For dental use only
Keep away from children

SIDE EFFECTS

Not known. In rare cases contact allergies are descried
Storage and handling
Keep syringe cap tightly closed
Store at 18°C~24°C(64°F~75°F)
Store away from UV light
Shelf life
2 years from the manufacturing date

COMPONENTS

13.5g Dual syringe MM-SEAL™
(Base 9g, Catalyst 4.5g)
Mixing pad
Spatula
Directions for using MM-SEAL™

	Use by
LOT	Batch code
CE 1639	CE-Mark and identification number of notified body. Product conforms to the essential requirements of the Medical Device Directive 93/42/EEC
EC REP	Authorized representative in the EC
	Consult instructions for use
	Manufacturer

Made in Korea

META BIOMED CO.LTD.
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CE 1639 Year of CE-marking / Année apposition marquage CE : 2010

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