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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 1SO6876 for dental root canal sealing materials

COMPOSITION

•Base

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

•Catayist

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™
•Packing Dimension: 200 x 80 x 41mm

Use By
LOT Batch Code
CE-Mark and identification number of notified body.
CE 0120 Product conforms to the essential requirements of the Medical Device Directive 93/42/EEC
EC REP Authorized representative in the EC
Consult operating instructions
Manufacturer

Made in Korea

MM-SEAL™

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Cheongju-si, Chungcheongbuk-do, Korea

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EC REP

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