

EDGESEAL™

BY EDGE ENDO®

ROOT CANAL SEALER

EDGESEAL IS A RESIN-BASED ROOT CANAL SEALER OF THE HIGHEST QUALITY

DIRECTION FOR USING EDGESEAL

EDGESEAL 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.

EDGESEAL complies with the requirements of ISO6876: 1986(E) for dental root canal sealing materials.

COMPOSITION

Base

Epoxy oligomer resin
Ethylene glycol salicylate
Calcium phosphate
Bismuth sub carbonate
Zirconium oxide

Catalyst

Poly amino benzoate
Tri ethanolamine
Calcium phosphate
Bismuth sub carbonate
Zirconium oxide
Calcium oxide

CHARACTERISTICS

When using an EDGESEAL in combination with gutta-percha points, this material shows the following properties.

1. Easy to mix by paste: paste
2. Hermetic sealing ability
3. No staining to the 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 combined with obturation points.

CONTRAINDICATIONS

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

MIXING

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

APPLICATION

Canal walls must be dry. EDGESEAL 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 EDGESEAL and with pumping motions slowly pushes it into the canals.

EDGESEAL is the 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, thermo plasticize method and all condensation techniques.

REMOVAL OF ROOT CANAL FILLING

If EDGESEAL 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

EDGESEAL contains epoxy resins or amines, which may cause sensitization in susceptible persons.

CAUTIONS

- Do not use EDGESEAL in allergic persons
- For dental use only
- Keep away from children

CLEANING OF INSTRUMENTS

Instruments should be cleaned immediately after use with alcohol.

SIDE EFFECTS

Not known, in rare cases contact allergies are described.

STORAGE and HANDLING

- Keep syringe cap tightly closed
- Store at 18°C~24°C (64°F~75°F)
- Store protected from UV light

SHELF LIFE


2 Years from the manufacturing date

COMPONENTS

- 13.5g Dual syringe EDGESEAL (Base 9g, Catalyst 4.5g)
- Mixing pad
- Spatula
- Directions for using EDGESEAL
- Dimension: 200 x 80 x 41mm

SYMBOLS

 : USE BY  : BATCH CODE

 : Attention, See instruction for use

 : MANUFACTURER

Edge Endo®

7510 Montgomery Blvd. Suite 105
Albuquerque, New Mexico 87109
USA
Tel: 855.985.3636 www.edgeendo.com

Reference

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J. Lee, Y. Lim, K. Bae. Biocompatibility of Two Newly-Developed Resin based Root Canal Sealer. J Endodon ; 2002;28:263