

BJM Root Canal Sealer™

Two-Paste Epoxy-Amine Resin Root Canal Sealer

EN

INSTRUCTIONS FOR USE

Indications

BJM Root Canal Sealer (BJM RCS) is a two-paste epoxy-amine resin root canal sealer in a dual auto-mixing syringe with subsequent characteristics:

- Outstanding sealing ability
- High radiopacity
- Antibacterial activity
- Non cytotoxic
- Long term stability
- Moderate flexibility that prevents cracking of fully cured material
- Low shrinkage
- Good flow properties
- Complies with ISO 6876:2001 standard

Delivery device: 5ml auto mixing syringe with mixing element and intraoral tip. (X)

Components

Paste 1:

- Bisphenol-A-(epichlorhydrin) and epoxy resin
- Zirconium Oxide
- Silica
- Iron Oxide pigments

Paste 2:

- Poly(oxyethylene, oxypropylene)diamine
- Silicone oil
- Silica
- Zirconium Oxide
- Antibacterial agent

(IABN - Insoluble AntiBacterial Nanoparticle)

Indications

Permanent obturations of root canals combined with root canal points.

Contraindications

Hypersensitivity to epoxy resins and amino groups. Attention: do not to use in case of patient who has allergenic sensitivity to epoxies and amines.

In case of contact with eyes or skin: wash immediately with plenty of water.

Any excess of material must be removed with cotton applicator and then washed with water followed with suction.

For external use only! If swallowed, drink plenty of water. If any sickness symptoms seek medical assistance.

Precautions

- Under certain storage conditions, BJM RCS Paste 2 may slightly separate. It has been shown that this process does not negatively affect the performance of the mixed product.
- Acid may slow epoxy polymerization (setting process). Please make sure to wash the canal with copious amounts of water and dry well prior to use of BJM RCS.
- You may observe some brown discoloration in the IABN containing part of BJM RCS. This is normal behavior of the material and has no effect on its mechanical or antibacterial properties. After mixing the discoloration will disappear and blend into the dentin shade color of the mixed material.

Storage

To be stored at temperature from 4 to 28°C.

The syringe must be closed after use with original cap only.

Proper storage conditions guarantee 2 years shelf life of BJM RCS.

Instructions for use

Prepare the root canal, clean and dry before use of BJM RCS.

Remove the cap by turning it 90° counter-clockwise and pulling it off. Bleed the syringe prior to use.

Attach the mixing tip to the syringe and then turn the tip 90° clockwise. Auto mixing

syringe ensures proper homogeneous mixing of two pastes and allows direct application of the sealer into the root canal.

After the application, the mixing tip must be removed by rotating it 90° counter clockwise and pulling it off. Then the auto mixing syringe must be closed with the original cap.

Application

As a standard technique, BJM RCS is used in combination with gutta-percha points. For filling techniques where most of the canal is obturated by endodontic point material, apply only a light coating of BJM RCS to the canal walls. For the Master-Point-Technique, select a gutta-percha point (or alternatively a paper point or a reamer) in the size of the last instrument used during apical preparation. Wet the canal walls with BJM RCS through a pumping or simultaneously rotating movement in a counter clockwise direction of the point/reamer. Alternatively, apply BJM RCS onto the tip of a Lentulo spiral. Advance the Lentulo spiral slowly to the apex running at very low speed. Avoid the formation of air bubbles in the material and overfilling of the canal. Withdraw Lentulo very slowly, still running at low speed. Dip point into BJM RCS and insert them into the canal with a slow pumping motion.

Removal of BJM RCS

The conventional technique of removing the gutta-percha is applicable when BJM RCS is used with gutta-percha points.

Working Time

BJM RCS will set within 48 hours at 37°C.

Cleaning of Instruments

All the instruments that were in contact with BJM RCS should be cleaned immediately after use with alcohol or acetone.



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