

Product Description:

Prime MTA Bioceramic Root Canal Sealer is a ready to use premixed root canal filling and sealing material. It is constituted by thin hydrophilic particles. MTA (Mineral Trioxide Aggregate) based sealer provides benefits as follows- good handling characteristics with radiopacity and good physical properties. It sets hard in presence of **moisture**.

Indications:

1. Root canal Sealer for permanent filling / obturation of root canal.
2. As a root canal sealer in combination with root canal points for teeth of the secondary dentition

Contraindications:

Hypersensitivity against calcium silicates.

Warning

- a. Do not use material in people allergic to calcium silicates.
- b. Avoid eye contact to prevent irritation. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Avoid skin contact to prevent possible allergic response. Unset material may cause irritation and therefore contact with skin and mucous membrane should be avoided. In case of contact, immediately remove material with cotton and wash thoroughly with water and soap. In case of skin sensitization or rash, discontinue the use and seek medical attention.
- c. Do not swallow or take internally. If accidental swallowing occurs, drink lot of water. If nausea or illness develops, seek medical attention.
- d. Avoid overfilling. When overfilling occurs, the material is usually tolerated very well by the surrounding tissue. The material should be immediately removed in cases of extrusion into the mandibular canal.
- e. Do not use MTA during the acute phase of the infection and in oozing canal.

Precaution

1. This product is intended to be used as specifically outlined in the Instructions for use. Any use of this product inconsistent with the Instructions for use is at sole responsibility of the practitioner.
2. Wear suitable protective clothing, eyewear, and gloves.
3. The solubility and essentially basic nature of the material's composition requires that it is used only in situations where it can be protected adequately from the intraoral environment.
4. Use of a rubber dam or adequate isolation is recommended to achieve good results,
5. Exposure to moisture and elevated temperature during storage will affect the setting time and working time as well as the consistency of the material.

Procedure:

The cement requires no mixing. It is supplied as a premixed paste in a syringe with disposable intracanal delivery tips. Before the application, the prepared root canal should be dried using a paper point. Avoid over drying because the sealer needs moisture to completely set and harden. The setting time is between 10 to 24 hours depending on the moisture available.

Do not place the dispensed material shall back in the container.

Sealer Use-

Method 1: Conventional Method

The sealer can be dispensed from the syringe on a mixing pad and delivered to the root canal space by carrying it with a gutta-purcha point or an endodontic instrument.

Method 2: Tip delivery technique

- a. Remove the syringe cap and attach the intracanal delivery tip.
- b. Insert the tip into the coronal third of the root canal space
- c. Dispense a small amount of material
- d. Coat the walls of the canals evenly using an endodontic file or a gutta-purcha point.
- e. Place additional gutta-purcha points coated with the sealer, in case of lateral condensation.
- f. After obturation the gutta-purcha is cut at the orifice using a heat source. Excess sealer in the root canal chamber should be wiped off using a cotton balls or swabs.

Filling method: The material can also be used for filling the root canal space independently. In that case, proper care should be taken to prevent extrusion of material. An apical limiting barrier and is strongly advised in such cases.

Storage & Shelf Life:

Store away from sunlight in a cool and dry place. Keep away from direct flame. Do not leave the syringe open. Close the cap tightly after dispensing the material. Do not use after expiration date.

Disposal Conditions:

To be disposed of based on the prevailing rules of the country in which it is used.

Presentation:

3g Syringe & 15 Capillary Tips