

EndoSequence[®]


BC Sealer[™]


Instructions For Use:


Rx Only


For Dental Use Only


Caution: U.S. Federal law restricts this material to sale by, or on the order of, a dentist.

 Consult accompanying MSDS

 Shelf life: 2 years

 Store at room temperature

 Do not use if package is damaged

 Do not re-use the Intra Canal Tips

Contraindications:

Do not use EndoSequence BC Sealer in patients with a known allergy to any of the product's ingredients.

Precautions:

 Keep dry

- Keep EndoSequence BC Sealer tightly closed in its sealed package and stored at room temperature in a dry area, to avoid moisture contact, which could induce the setting process.
- Use the syringe cap to keep the syringe tightly closed when not using EndoSequence BC Sealer.
- Do not use excessive force to apply EndoSequence BC Sealer into the root canal.
- Avoid contact of EndoSequence BC Sealer with the skin, mucus membranes and eyes. Unset EndoSequence BC Sealer can cause irritation. Please refer to the MSDS for the first aid procedures.

Product Description:

EndoSequence BC Sealer is a premixed ready-to-use injectable bioceramic cement paste developed for permanent root canal filling and sealing applications. EndoSequence BC Sealer is an insoluble, radiopaque and aluminum-free material based on a calcium silicate composition, which requires the presence of water to set and harden. EndoSequence BC Sealer does not shrink during setting and demonstrates excellent physical properties. EndoSequence BC Sealer is packaged in a pre-loaded syringe and is supplied with disposable Intra Canal Tips.

Indications For Use:

- Permanent obturation of the root canal following vital pulp-extirpation.
 - Permanent obturation of the root canal following removal of infected or necrotic pulp and placement of intracanal dressings.
- EndoSequence BC Sealer is suitable for use in the single cone and lateral condensation technique.

Working Time:

No mixing is required. EndoSequence BC Sealer can be applied immediately and introduced directly into the root canal. The working time can be more than 4 hours at room temperature.

Setting Time:

Setting time is 4 hours measured according to ISO 6876:2001. However, in very dry root canals, the setting time can be more than 10 hours.

Composition:

Zirconium oxide, calcium silicates, calcium phosphate monobasic, calcium hydroxide, filler and thickening agents.

Standard:

EndoSequence BC Sealer meets the requirements of ISO 6876:2001 for Dental Root Canal Setting Materials and ANSI/ADA Specification No. 57:2000 for Endodontic Sealing Materials.

Interaction:

The setting time of EndoSequence BC Sealer is dependent upon the presence of moisture in the dentinal tubules. The amount of moisture required for the setting reaction to occur reaches the root canal by means of the dentinal tubules. Therefore, it is not necessary to add moisture in the root canal prior to performing the obturation.

Removal of Root Canal Filling:

Conventional techniques can be used for the removal of EndoSequence BC Sealer as used in combination with Gutta-Percha Points. Piezo Electric Ultrasonics (with water spray) can also be used.

Note:

- Discard the Intra Canal Tips after each application. Do not re-use the tips.
- Keep the syringe cap clean and free of moisture. When not in use, keep the syringe cap in the pouch.

Directions For Use:

1. Prior to the application of EndoSequence BC Sealer, thoroughly prepare and irrigate the root canal using standard endodontic techniques.
2. Remove the syringe cap from the EndoSequence BC Sealer syringe. Securely attach an Intra Canal Tip with a clockwise twist to the hub of the syringe. The Intra Canal Tip is flexible and can be bent to facilitate access to the root canal.
3. Insert the tip of the syringe into the canal no deeper than the coronal one third (1/3). Gently and smoothly dispense a small amount (1-2 calibration markings) of EndoSequence BC Sealer into root canal by compressing the plunger of the syringe. Using a #15 handfile or something comparable, lightly coat the canal walls with the existing sealer in the canal. Then coat the master gutta percha cone with a thin layer of sealer and very slowly insert it into the canal. The master gutta percha cone will carry sufficient sealer to the apex.

Note: The precise fit of the EndoSequence Gutta Percha master cone creates excellent hydraulics and for that reason it is recommended that the practitioner use a small amount of sealer. Furthermore, it is also important to insert the master cone very slowly to its final working length.

4. If desired, place additional gutta percha points into the canal using standard condensation techniques.
5. Using a heat source, burn off the gutta percha cones at the orifice, apply a slight amount of vertical condensation, and remove any excess sealer with a moist cotton ball or swab.
6. EndoSequence BC Sealer will remain part of the permanent root canal filling.
7. After each application, remove the Intra Canal Tip from the syringe with a counterclockwise twist to the hub of the syringe and discard. Clean the outside of the syringe and remove any excess paste, place the syringe cap tightly onto the syringe hub, and place the syringe into the foil pouch and ensure to seal the pouch. Store the pouch in a dry area at room temperature.



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