

Product description

A fluoride containing radiopaque classical strontium glass ionomer cement designed for cementing a wide variety of prosthetic appliances and materials. As a glass ionomer cement, it features good chemical adhesion and biocompatibility. It bonds to enamel, dentine, non-precious metals, and porcelain.

This meets the requirements of ISO 9917-1 (Specification for Dental Water based Cements).

Indications/Intended use

- cementing of all types of crowns, inlays, onlays, bridges, endodontic posts and orthodontic bands
- liner under composite fillings and amalgam

Performance features

The performance features of the product meet the requirements of the intended use.

Contraindications

- Pulp capping
- Allergic reactions to glass ionomer cements

Patient target group

Persons who are treated during a dental procedure.

Intended users

This medical device should only be used by a professionally trained dental practitioner.

Application

1. Tooth Preparation

Prepare tooth in usual manner. Clean prepared tooth with pumice and water only. Rinse thoroughly and dry, but **do not** desiccate.

By using a cotton pellet apply a dentine conditioner **for 20 sec** to remove the smear layer. Rinse the dentine conditioner with water and dry it in an airstream, but **do not** desiccate.

Pulp capping is **contra contradicted**. To deep areas of possible pulpal exposure apply calcium hydroxide liner.

2. Dispensing and Mixing

The **powder/liquid ratio** to achieve a suitable consistency is **1.8 / 1.0**. This can be obtained by mixing **one scoop (blue colored) of powder and two drops of liquid**.

Note:

The spoon dosage is only an approximate reproduction of the nominal mixing ratio.

For accurate dispensing of **the powder** shake the bottle to loosen the powder. Overfill the spoon with the powder, level the powder by using the collar at the top of the bottle and carry it onto the mixing pad. **Avoid compressing** powder into the spoon with the inside wall of the bottle.

For dispensing of **the liquid** turn the bottle vertically with the tip about 5cm above the mixing pad. Steady your hand and squeeze the bottle gently to dispense the drops. If any bubbles are present, lightly tap the bottle with the fingers holding it. **Discount drops** that contain bubbles and are obviously not full-sized.

Use a small spatula to rapidly mix half the powder into the liquid. Then mix the remaining powder into the mixed paste to achieve a glossy appearance. Total mixing time is **30 sec**.

After use, tightly close both liquid and powder bottles to prevent exposure to moisture.

3. Cementation Technique

Mix the required amount of **powder and liquid**. Coat the prepared bonding surface of the restoration with **1 mm** of cement (**Do not overfill!**) and seat immediately (**working time 1:25 min** from start of mixing at 23°C). Seat the restoration by using steady, even pressure. Net setting time is about **4:30 min**.

Remove excess cement at the first setting stage.

Maintain isolation until the set of the cement is verified (approx. 4:30 min).

Note: Higher temperatures will shorten the working time, lower temperatures will prolong the working time.

An overextended working time will cause the loss of adhesion to the dental enamel and the dentin.

4. Additional Notes/Warnings

- Do not use with patients who show an allergy to the material. In case of allergic reactions, immediately stop the application and advise the patient to consult a physician. An operator, who has a history of allergy to glass ionomer-cements, should not handle.
- Do not allow the liquid or cement mixture to contact the oral tissues or skin. In case of contact, remove the material with absorbent cotton soaked in alcohol and rinse with water.
- Avoid eye contact with the liquid or cement mixture. In case of contact, immediately flush with water and seek medical treatment.
- Do not mix the powder or liquid with any other glass-ionomer product.
- Shade: universal
- Keep away from children!

5. Storage

Store in a cool and dark place at 4-25 °C (39-77 °F). Temperature should not exceed 25 °C (77 °F). Store protected from moisture. Do not use after expiry date.

Composition

Dental glass, polyalkenoate acids.

Disposal

Disposal of the product according to local authority regulations.