

Product description

A dual cure resin reinforced glass ionomer filling cement. Excellent fluoride release and excellent biocompatibility. It also has good chemical bonding to dentin and enamel and a tight seal at the dentinal margins. Because of its radiopacity it ensures easy postoperative diagnosis.

Easily activated and the content of the capsule is easily ejected out. Capsule mixing (mixing time 10 sec) is achieved by a high frequency mixer with about 4,300 oscillations/min. Application can be done directly from the capsule.

Indications/Intended use

- Primary teeth: restorations of Class I, II and V
- Long-term restoration in non-load bearing areas of Class I and II
- Restoration of Class V
- Intermediate restorations
- Sandwich material for heavy stress bearing Class I and II cavities
- Core build-ups

Performance features

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

Contraindications

In singular cases, it may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients. In these cases, the material should not be used. Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection areas close to the pulp should be covered with a thin layer of pulp capping material.

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.

Interaction with other materials

Avoid direct contact with products containing eugenol since eugenol impairs the setting

Application

1. Tooth Preparation

Prepare the cavity. Rinse thoroughly with water and dry gently, but do not desiccate.

For pulp protection areas close to the pulp should be covered with a thin layer of pulp capping material or MTA cement.

2. Activation and Mixing (see Instructions for e-on® capsules)

Activate and mix the capsules according to the information in the instructions.

Mixing time is 10 seconds.

Avoid lag times between the processes of activation, mixing and application as the material is in the process of setting which may impair or prevent application of the material.

All the cement required should be dispensed from the capsule within **30 seconds** from the start of mix.

3. Filling and Finishing

Apply the mixed material directly out of the capsule into the prepared cavity. Please see to it, that no air bubbles will be incorporated.

Form the cement with a placement or forming instrument within the **working time (approx. 2:00 minutes)** from start of mixing at 23 °C or 74°F). A transparent matrix may be used. Cure for **20 sec** with a visible light-curing device (wavelength range 400–500 nm, light intensity min. 1000 mW/cm²). Net setting time without any light is approx. 4:00 min.

In case of cavities with a depth of more than 2 mm curing in incremental layers is strongly recommended. Cure each layer separately. In order to improve the self-adhesion, this is very important for the first layer of 2 mm.

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 dentine.

After material has set, remove matrix where applicable and perform finishing under water spray using standard techniques.

4. Additional Notes/Warnings

- Unpolymerized material may have an irritant effect and can lead to sensitization against methacrylates.
- Avoid contact with skin, mucous membrane and eyes
- If the material comes into contact with skin, In case of contact, remove the material with absorbent cotton soaked in alcohol and rinse with water. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.
- 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). Do not use after expiry date.

e-on® capsules are for single use only.
 Average net content per capsule: 0.5g

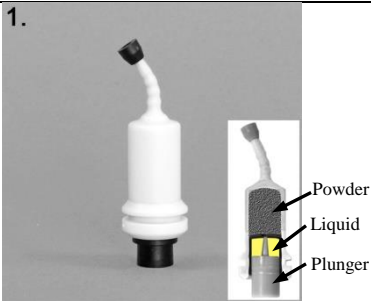
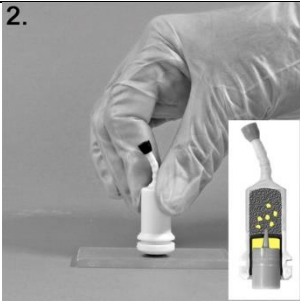
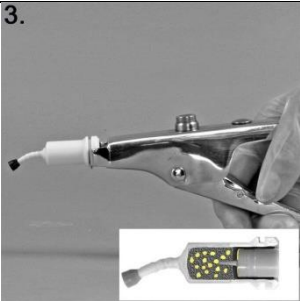
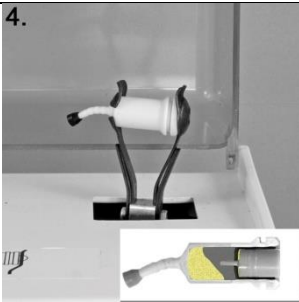
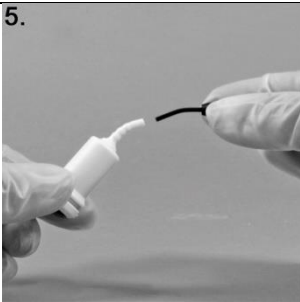
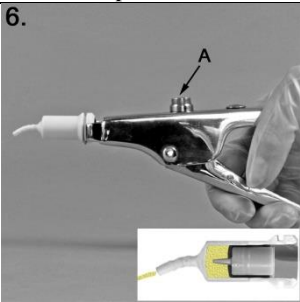
Composition

Powder: Dental glass, photo initiators
 Liquid: polyalkenoate acid, methacrylates

Disposal

Disposal of the product according to local authority regulations.

Instruction for activating and mixing

		
<p>Capsule before activation.</p>	<p>For activation of the capsule, press the plunger on a hard and plane surface to the end into the capsule.</p>	<p>Insert the capsule into a suitable dispensing gun and standardize the capsule. Note: The plunger must be at the same level as the bottom of the capsule.</p>
		
<p>Insert the capsule into a mixer (or an amalgamator), close lid and mix immediately (about 4300 oscillations / min). Mixing time: see corresponding instructions for use</p>	<p>Remove the pin from the nozzle. If not, capsule can burst.</p>	<p>Insert the capsule into a suitable dispensing gun. Pull the lever to prime the capsule. Extrude the mixed material directly into the preparation.</p>