

## e-on® Posterior Fill Flowable Composite

corresponds to DIN EN ISO 4049

Carefully read instructions prior to use

### Product description:

**e-on® Posterior Fill Flowable Composite** is a radiopaque, light-curing flowable composite. In contrast to conventional flowables, it is characterized by an increased depth of cure while at the same time showing reduced shrinkage stress, which means that it can be cured in layers of 4 mm thickness. When used as a base / liner **e-on® Posterior Fill Flowable Composite** has to be overlaid occlusally with an at least 2 mm thick surface layer of a methacrylate-based universal / posterior composite. **e-on® Posterior Fill Flowable Composite** is used with a dental adhesive. **e-on® Posterior Fill Flowable Composite** contains 75 % w / w inorganic fillers in a methacrylate matrix.

### Shades:

Universal, A2

### Indications:

- Base in class I and II cavities
- Cavity lining under direct restorative materials in class I and II cavities
- Class III and V restorations
- Conservative Class I restorations
- Small Class IV repairs
- Tunnel Preparations
- Filling of defects and undercuts in crown, inlay and onlay preparations
- Blockouts
- Repair of small enamel defects
- Covering incisal edge stains
- Pit and fissure sealant
- Cementing porcelain veneers, crowns, inlays and onlays
- Intraoral porcelain repair
- Amalgam margin repair
- Improving margins of acrylic temporaries
- Provisional occlusal changes
- Refacing acrylic temporaries
- Margin correction / adjustment of composite crowns for indirect laboratory use

### Contraindications

**e-on® Posterior Fill Flowable Composite** contains methacrylates, BHT. **e-on® Posterior Fill Flowable Composite** should not be used in case of known hypersensitivities (allergies) to any of these ingredients.

### Method of application:

#### Shade selection:

Select a shade of the final composite chosen for the occlusal surface, by comparing the shade guide with the cleaned tooth before anaesthesia. Moisten the shade sample and the tooth and select the shade, preferably in daylight.

#### Creating a dry working field:

Ensure that the work area is sufficiently dry. Use of a rubberdam is recommended.

#### Cavity preparation:

In principle, cavity preparation should be carried out according to the rules of adhesive filling therapy and should be minimally invasive to conserve a healthy tooth substance. Clean and dry the cavity afterwards.

### Matrix placement:

Take appropriate measures for areas where the applied **e-on® Posterior Fill Flowable Composite** could flow out.

Matrices that are wedged in the approximal area are advantageous.

Minimal separation facilitates the shaping of the approximal contact and insertion of the matrix.

### Pulp protection:

A suitable pulp-protective liner that, if necessary, can be covered with a stable cement, should be applied in close proximity to the pulp.

### Bonding material:

**e-on® Posterior Fill Flowable Composite** is used according to the adhesive technique with a bonding agent. All lightcuring bond materials can be used. Follow the respective instructions for use with regard to preparation (etching technique) and application.

### Application:

**Syringe:** Lock the enclosed intraoral tip on the syringe with a clockwise turn and directly apply **e-on® Posterior Fill Flowable Composite**. In order to guarantee the functionality of the non-dripping syringe do not pull back the plunger during or after use.

**Caps:** Remove protective cap. Insert Caps into the opening of the dispenser (following the instructions for use).

Bend the metal cannula into the desired direction. Begin applying the material directly into the prepared cavity at the deepest point and fill the cavity from bottom to top. Keep the tip of the metal cannula immersed all times. To prevent the formation of air bubbles ensure a slow, even flow. If necessary, air bubbles or excess material can be removed before polymerization.

When used as a base/liner the distance to the occlusal margin of the cavity must be at least 2 mm. **e-on® Posterior Fill Flowable Composite** can be polymerized in increments up to 4 mm.

### Light-curing:

Conventional polymerization devices are suitable for light-curing the material.

Ensure that all areas of the filling are sufficiently light-cured. Additional light-curing of the accessible approximal areas and from the oral as well as the vestibular side is recommended.

If metal matrices are used, these should be removed prior to additional light-curing.

Hold the light emission tip of the device as close as possible to the surface of the filling.

Otherwise, the curing depth may be reduced.

	Shade	Universal	A2
Light-output			
500- 800 mW/cm <sup>2</sup>		10 s	40 s
> 800 mW/cm <sup>2</sup>		10 s	20 s

Incomplete curing may lead to discoloration of the material, loss of stability of the composite filling and discomfort.

Depending on the light output and the chosen shade the curing times are:

**Final occlusal layer:**

**When used as a base / liner e-on® Posterior Fill Flowable Composite has to be overlaid with an at least 2 mm thick surface layer of a methacrylate-based universal / posterior composite.** For working and finishing directions follow the manufacturer's instructions for use.

**Information / precautionary measures:**

- Allow the material to reach room temperature before use.
- Phenolic substances, especially preparations containing eugenol or thymol, can interfere with the curing of filling composites. Avoid the use of zinc oxide eugenol cements or other eugenol-containing materials in combination with filling composites.
- The enclosed intraoral tips are intended for a single use and must be disposed of after only one use. Return the cap to the syringe after use.
- Use each **e-on® Posterior Fill Flowable Composite** Caps for one patient only!

**Storage:**

Store at temperatures of 39 °F - 73 °F (4 °C to 23 °C). To avoid exposure to light and potentially resulting polymerization, syringes should be closed immediately after dispensing. Do not use after expiry date.

This material has been developed solely for use in dentistry. Processing should be done strictly according to the instructions for use.

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**CAUTION: U.S. Federal Laws restrict this device to sale by or on the order of a dentist.**

No person is authorized to provide any information which deviates from the information provided in the instructions for use.

**Keep this material out of reach of children.**

**For dental use only.**

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