

e-on® Single Shade

Light-Cure Flowable Blocker

Instructions for Use

Product description

e-on Flowable Blocker is a flowable light cure radiopaque composite that is used in combination with e-on Single Shade Flowable to mask discolored teeth.

It contains dimethacrylate based resins and inorganic fillers < 0.2 µm. The total filler content is 67 % by weight and 57 % by volume. Radiopacity of is 150 % aluminum (radiopacity of enamel: ~200 % aluminum, of dentine: ~100 % aluminum). Meets the requirements of **ISO 4049**, type 1, class 2, group 1.

Indications/Intended use

- Masking of the oral cavity in case of class III and IV cavities
- Masking of tooth discoloration

Performance features

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

Contraindications

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.

Incompatibility with Other Materials

Do not use in combination with substances containing eugenol because eugenol inhibits the polymerization of the composite. Neither store the composite material in proximity of eugenol containing products, nor let the composite allow coming into contact with materials containing eugenol.

Application

Preparation of Tooth

Clean the tooth with a fluoride-free polishing paste (e.g. flour of pumice with water) prior to preparation and color matching.

Cavity Preparation

After isolation (best with a rubber dam) prepare the cavity with minimal tooth reduction.

For pulp protection areas close to the pulp should be covered with a with pulp capping material.

Apply a common adhesive for enamel and dentine bonding according to the corresponding manufacturer instructions.

The application of a universal adhesive is recommended. It can be used in combination with an etching gel or as a self-etching adhesive.

Application and Curing of e-on Flowable Blocker

In case of cavities of dark or discolored teeth use this to ensure that the restoration may not appear dark.

Apply in a thin layer using a suitable instrument and light cure. Matrix strips may be used.

Preparation of the syringe:

Screw off the cap of the syringe and substitute it by one of the supplied needle tips (by turning clockwise).

Store the screw cap!

After use discard the needle tip and attach the cap to the syringe again. For hygienic reasons needle tips are for single use only.

Apply in **layers of max. 1 mm**. Light cure each increment separately.

By using a polymerization unit (wavelength range 400-500 nm) with a **light intensity of at least 1000mW/cm²**, cure each increment separately for **20 seconds**.

Hold the light emission window as close as possible to the filling material.

Finish the restoration with e-on Single Shade Flowable according to the instructions.

Storage

Do not store above 25°C (77°F). Protect from direct sunlight. Do not use after expiry date.

Close syringe immediately after use to avoid exposure to light.

Additional Notes/Warnings

- The ambient light of the dental lamp may start polymerization of the composite.
- Do not use any resin to adjust viscosity of composite restorative material.
- Avoid contact with skin, mucous membrane and eyes.
- Unpolymerized composite may have an irritant effect and can lead to sensitization against methacrylates.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.
- Keep away from children!

Disposal

Disposal of the product according to local authority regulations.