

Product description

e-on Single Shade Flowable is a light cure flowable radiopaque composite. It can be used for a lot of natural tooth shades due to its continuous color matching properties. Beside its permanent gloss and toothlike opalescence e-on Single Shade shows excellent physical properties and good handling features. High gloss polishability demands only little effort.

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

Indications/Intended use

- Small class I and II restorations
- Small enamel defects
- Extended fissure sealings

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 allow polymerized composite to come 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).

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 Single Shade Flowable

Apply e-on Single Shade Flowable by using suitable instruments. 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. 2 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.

Finishing

Depending on the shape of the area contour with finishing diamonds, flexible grinding discs or carbide burs.

Polish to high gloss with polishing discs or polishing brushes.

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!

Composition

Dimethacrylates, prepolymerized resin, dental glass, silicon dioxide, photo initiators.

Disposal

Disposal of the product according to local authority regulations.