

QualiSense MICROFILL F

Light cure high performance flowable composite with excellent high gloss polishability

Instructions for Use

MICROFILL F is a visible light cure flowable composite for anterior and limited posterior restorations with permanent gloss and toothlike opalescence. Beside its low shrink and low abrasion **MICROFILL F** shows improved mechanical properties. High gloss polishability demands only few efforts. **MICROFILL F** contains dimethacrylate based resins and inorganic fillers < 0.2 µm. The total filler content is 57 % by weight and 48 % by volume. **MICROFILL F** is radioaque (140 % aluminium)

The material properties of **MICROFILL F** meet the requirements of **ISO 4049, type 1, class 2, group 1**.

Indications

- Restorations of class III, IV and V
- Small class I and II restorations
- Lining of cavities

Side Effects

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection the cavity floor in cases of deep excavations should be covered with a thin layer of calciumhydroxide material.

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.

Preparation of Tooth and Color Matching

Clean the tooth with a fluoride-free polishing paste prior to preparation and color matching.

Ascertain the tooth shade while teeth are still moist and select the appropriate **MICROFILL F** shade.

MICROFILL F is shaded according to **VITA®-Shades**.

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 thin layer of calciumhydroxide material (e.g. **CH LINER**).

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

The application of the universal adhesive **UNIVERSAL ADH** is recommended. **UNIVERSAL ADH** can be used in combination with an etching gel (e.g. **ETCHING GEL**) or as a self-etching adhesive. Follow the instructions for **UNIVERSAL ADH**.

Placement of MICROFILL F

Apply **MICROFILL F** in the selected shade. Place it directly from the **APPLIC.-Tip** or by using a suitable instrument. Transparent matrix strips may be used.

Application from syringe:

Screw off the cap of the syringe and substitute it by one of the supplied NeedleTips. After use discard the NeedleTip and attach the cap to the syringe again. NeedleTips are for single use only due to hygienic reasons.

Curing of MICROFILL F

For an optimum result apply **MICROFILL F** 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.

Lighter shades (e.g. **A1, A2, B2**) **20 seconds**

Darker shades (e.g. **A3.5**) **30 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.

APPLIC.-Tips are for single use only due to hygienic reasons.

Additional Notes

- 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.

- Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies.

- **VITA®** is a registered trade mark of the **VITA-Zahnfabrik**, Bad Säckingen, Germany.

Warranty

DS Dental Supply GmbH warrants this product will be free from defects in material and manufacture. DS Dental Supply GmbH makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusively remedy and DS Dental Supply GmbH's sole obligation shall be repair or replacement of the DS Dental Supply GmbH product.

Limitation of Liability

Except where prohibited by law, DS Dental Supply GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

Keep away from children!

For dental use only!