

## Product information

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**HeyTec Flow SE** is a self-adhesive light cure flow able composite for anterior and limited posterior restorations. Beside its good mechanical properties, the physical properties of HeyTec Flow SE are comparable to conventional flow able composites. The optimized flow behavior enables easy application of the material.

**HeyTec Flow SE** have the self-adhesives properties, so require no etching, priming and bonding of enamel and dentine in the restorative therapy. For application as pit and fissure sealant, enamel etching for cleaning the surface is recommended.

**HeyTec Flow SE** is based on methacrylate and inorganic fillers.

**HeyTec Flow SE** meets the requirements of DIN EN ISO 4049.

### 1. INDICATIONS

- Small class I restorations
- Lining of class I and II cavities
- Pit and fissure sealing
- Extended fissure sealing
- Filling of undercuts

### 2. 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 calcium hydroxide material.

### 3. INTERACTIONS

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.

### 4. PREPARATION OF TOOTH AND COLOUR MATCHING

Clean the tooth with a fluoride-free polishing paste (e.g. flour of pumice with water) prior to preparation and color matching. Ascertain the tooth shade while teeth are still moist and select the appropriate HeyTec Flow SE shade.

HeyTec Flow SE is shaded according to VITA<sup>®</sup>-Shades.

### 5. CAVITY PREPARATION

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

If possible, margins should have a slight (0.5 - 1.0 mm) bevel placed in the enamel to increase the surface area for greater bond strength.

Best pulp protection in case of deep excavations is the photo-activated disinfection (PAD). If this is not possible, deep excavations should be covered with a thin layer of calcium hydroxide material.

### 6. APPLICATION AND CURING

Remove the cap from the HeyTec Flow SE -syringe and attach a Needle Tip. Squeeze out the first small drop on a pad to ensure safe handling of HeyTec Flow SE.

#### Small class I restorations and lining of class I and II

Place HeyTec Flow SE with the Needle Tip in a thin layer directly onto the prepared areas. With the supplied micro brush work it into the entire cavity walls and beveled areas under slight pressure for 20s. Remove excess material around the margins with a micro brush.

Cure HeyTec Flow SE as follows:

- lighter shades (e.g. A1, A2) - 20 seconds
- darker shades (e.g. A3.5) - 30 seconds

After lining of the cavity walls and the beveled areas build the restoration with HeyTec Flow SE in layers of max. 2 mm.

Light cure each increment separately.

- lighter shades (e.g. A1, A2) - 20 seconds
- darker shades (e.g. A3.5) - 30 seconds

### Pit and fissure sealing

Clean the enamel with a fluoride-free paste and rinse thoroughly. Dry in a water and oil-free air stream leaving a slightly moist shining surface on the enamel.

Note: in addition to cleaning as described above, etching of enamel with a 37 % phosphoric acid etching gel is recommended. Etch the enamel surface for 15 – 20 seconds, rinse for 10 seconds and dry in a water and oil-free air stream leaving a slightly moist shining surface on the enamel.

Place HeyTec Flow SE with the Needle Tip in a thin layer directly onto the prepared areas. With the supplied micro brush work it into the prepared areas under slight pressure for 20s. Remove excess material around the margins with a micro brush.

Cure HeyTec Flow SE as follows:

-lighter shades (e.g. A1, A2) - 20 seconds

-darker shades (e.g. A3.5) - 30 seconds

Check the occlusion and correct, if necessary.

The curing times are for Halogen curing lights with a light intensity of min. 500 mW/cm<sup>2</sup> or LED curing lights with a light intensity of min.1000 mW/cm<sup>2</sup>.

### 7. FINISHING

Contour with fine diamonds, stones or burs. Polish to high gloss with discs or rubber points. Interproximal finishing is accomplished by fine grit finishing strips.

### 8.STORAGE

Do not store above 25°C (78°F). Protect from direct sunlight. Do not use after expiry date.

Close syringe immediately after use to avoid exposure to light.

*Keep away from children!*

### 9. PRECAUTIONS

Do not use any resin to adjust viscosity of HeyTec Flow SE.

Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies. Contact with eyes may cause severe eye damage. Wear eye protection. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

VITA<sup>®</sup> is a registered trade mark of the VITA-Zahnfabrik, Bad Säckingen, Germany

*For dental use, only!*

### 10. PACKAGING AND REFERENCE NUMBER

1 syringe <b>2ml</b> 5 mixing tips	<b>A1</b> - HE057 <b>A2</b> - HE058 <b>A3</b> - HE059
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Manufacturing

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**Made in Germany!**

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