

Instructions for use for: Anterior/Posterior Hybrid Composite

Anterior/Posterior Hybrid Composite is a light-curing, radiopaque filling material for restorations of all cavity classes.

Indications

Filling material for restorations of all classes of cavities.

Contraindications

- Do not use the material if a relatively dry working area or the recommended application technology is not possible.
- Do not use the material where there are known allergies to any of the components or contact allergies.
- Do not use directly on the exposed pulp.

Basic safety information

- For dental use only.
- Keep out of the reach of children.
- Avoid contact with the skin. In the event of accidental skin contact, immediately wash the affected area thoroughly with soap and water.
- Avoid contact with the eyes. In the event of accidental contact with the eyes, immediately rinse thoroughly with plenty of water and consult a physician if necessary.

Interactions

- Water and air containing oil can prevent the polymerization of the materials at the contact surfaces.
- The use of cationic mouthwashes, plaque disclosing agents, or chlorhexidine can lead to discoloration.
- Not be used in conjunction with materials that contain eugenol / clove oil as these inhibit polymerization and can result in staining.

Side effects

There are no known side effects to date. Hypersensitivity to components of the material cannot be ruled out in individual cases.

Notes for use

- Light-curing units should have an output of 450 nm and should be checked regularly. The light intensity should be a minimum of 400 mW/cm². Place the light as close as possible to the material.
- Do not remove the oxygen-inhibited layer if a further layer of filling material is to be applied, because this is required for the bond with the next layer.
- Follow the manufacturer's instructions for any other materials that are used with Anterior/Posterior Hybrid Composite.

Recommended use

1. Clean tooth. Remove cleaning residue with a water spray.

Note: The use of a rubber dam is recommended.

2. Prepare the cavity in accordance with the general rules for adhesive procedures. Bevel the enamel edges. Protect areas close to the pulp.
3. If necessary, etch using your preferred etching technique (e.g., Total-Etch). Observe the manufacturer's instructions for the material used.
4. Apply bonding agent in accordance with the manufacturer's instructions.
5. If necessary, apply an underfilling of low-viscosity composite or compomer. We recommend using a matrix.
6. Apply the Anterior/Posterior Hybrid Composite with a maximum layer thickness of 2 mm into the cavity. Light-cure each layer for 20 seconds.
7. Removal of excess material, contouring, and fine processing are done using diamond finishing tools and flexible polishing discs of decreasing grain size, for example. Anterior/Posterior Hybrid Composite can be given a high shine using polishing paste together with polishing cups or discs.

Composition

Barium glass in a BIS-GMA matrix made up of dental resins. Pigments, additives, and catalyst. Filler content: 85 weight % = 68 vol.%. The range of variation of the inorganic filler particles is between 0.02 and 3.6 µm.

Classification

DIN EN ISO 4049:2009, Type 1, Class 2, Group 1

The indicated value for the depth of polymerization according to ISO 4049:2009 of Anterior/Posterior Hybrid Composite is 2 mm. The layer thickness of 2 mm specified in the guideline is recommended.

Storage

- Store at room temperature (15–25 °C / 59–77 °F).
- Close syringe immediately after use so that the material does not cure in the ambient light.
- Do not use after the expiration date.

Packaging

Item # 61181 1 syringe (Universal shade) containing 3 g