



GTIN: 7640178010406

SKU: SMT 1068

Medi GIC / VLC

Light-curing glass ionomer composite cement

#### Introduction:

**Medi GIC / VLC** a light-curing glass ionomer composite cement for treatment of smaller, linings, extended fissure sealing and lesions.

#### Procedure :

1. Prepare the cavity according to the instructions on the filling technique. The tooth surface should be dried (use gentle air flow).

2. Protect the areas in proximity of the pulp with a **Medi Cal** (Calcium hydroxide) preparation. It is recommended to provide an adhesive bond (especially in cavities that do not have enamel on all sides).

#### 3. Medi GIC/VLC syringe:

Apply the required quantity of **Medi GIC/VLC** directly from the syringe. Avoid contamination and disinfect after use. For linings in excess of 1 mm thickness, apply and cure in layers. In order to ensure the function of the non-dripping syringe do not pull back the plunger during or after use.

4. Light-cure **Medi GIC/VLC**, in conventional manner. The light output should be a minimum of 500 mW/cm for LED devices. Light source should be positioned as close as possible to the surface (approx. 2 mm). Cure for at least 20 s. For a greater distance, prolong curing time.

5. Finish the **Medi GIC/VLC** surface with a rotary instrument and place the filling according to the manufacturer's instructions.

#### Indications/precautions:

- **Medi GIC /VLC** adheres to materials such as crown and bridge materials, methacrylate-based temporary obturation materials and certain impression materials (e. g. polyether), which may lead to damage to or removal of the lining. Apply a bond in these cases.
- Due to the extreme stability of **Medi GIC/VLC** after curing, it is not possible to remove excess material with a probe. This could loosen the entire lining. Use a rotary instrument for this purpose.

- **Medi GIC/VLC** contains Bis-GMA, diurethanedimeth acrylate, BHT and glass ionomer powder. **Medi GIC/VLC** should not be used in case of known hypersensitivities (allergies) to any of these ingredients.

- Preparations for pulp protection or dentine isolation should always cure or dry prior to the application of **Medi GIC/VLC** (see instructions for use of these products) in order to prevent a reduction in the adhesion to dentine.

- Avoid exposing **Medi GIC/VLC** to direct light (e.g. operating light or daylight) and apply as soon as possible.

- Eugenol or other phenolic substances impede the polymerization of **Medi GIC/VLC**. Avoid any contact with these materials.

- Insufficient curing times or luminous intensity also lead to incomplete curing. Check the curing light and light guide regularly.

#### Storage:

Store **Medi GIC/VLC** tightly closed and light-protected at room temperatures between 14- 25°C. Refrigeration prolongs the shelf life. Prior to application, the material must reach room temperature again. Do not use after expiry date.

As the application of our preparations is beyond our control, the user is fully responsible for the application. **SMT** guarantees the quality of our preparations in accordance with the existing standards and corresponding to the conditions as stipulated in our general terms of sale and delivery



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