OPTITEMP® Automix
Bis-acrylic composite material for provisional restorations


Composition: glass filler in a matrix of multifunctional methacrylates

Characteristics:
OPTITEMP® Automix is bis-acrylic composite material intended for making provisional crowns, bridges, veneers, inlays and onlays in dentist office, by so-called swage method. Free of methyl methacrylate and peroxides. Total filler volume: 24 % (0.02-2.5 μm).

Indications:
1. provisional crowns and bridges
2. provisional inlays and onlays
3. long-term provisional restorations

Contraindications:
Do not use in case of known hypersensitivity of the patient to any of the product components.

Adverse effects:
In exceptional cases hypersensitivity to a product component or contact allergy can occur in some patients. No systemic adverse effects have been reported.

Preliminary preparation:
1. Prior to preparation or extraction of a tooth, take a quadrant impression using alginate, silicone or thermoplastic impression material.
2. Trim out interdental gingival areas of the impression so as to provide sufficient space for connection of crowns of the future OPTITEMP® Automix provisional.
3. In areas with absent teeth that are to be replaced with a provisional bridge, carving in the interproximal areas should create a ridge for pontic contact between the prepared teeth.

Dosing and mixing:
The basic paste and the catalyst paste are mixed in an application cannula by means of repeated pressing of the dispensing gun lever. Application cannulas are disposable, a new cannula must be used for each application. The mixed material should be dispensed from the cannula directly into the impression.

Timing:
0:00 - 0:45 min Insertion into the mouth
1:00 min End of handling time
2:00 - 3:00 min Removal from the mouth (elastic phase)
6:00 - 7:00 min End of setting

Application:
1. Dry the prepared teeth and lubricate them and the surrounding tissue with vaseline or a similar separating material.
2. Dispense OPTITEMP® Automix into the previously prepared impression or matrix. Dispense OPTITEMP® Automix first onto the occlusal surfaces, and then bring it gingivally, overbuilding slightly. To prevent bubbles, it is important to keep the tip of the mixing cannula immersed in the material during the application.
3. Insert the impression or matrix, filled with OPTITEMP® Automix, with gentle pressure over the prepared teeth and hold firmly in place.
4. After 2 to 3 minutes from the start of mixing (during so-called “elastic” phase) remove the provisional together with the impression from the prepared teeth. The setting reaction must be monitored intraorally as the setting time is significantly influenced by the mouth temperature. The provisional restoration can be easily removed only in the elastic phase of setting.

**Final treatment of the provisional restoration:**
The crown or bridge may be contoured and polished after additional 4 minutes.
1. Remove the soft, sticky oxygen inhibition layer on the surface of the OPTITEMP® Automix provisional (e.g. by wiping with ethyl alcohol).
2. The provisional can be shaped with slow-speed acrylic burs and disks for acrylic resins. Observe appropriate safety precautions.
3. Use high-speed finishing diamond burs to adjust occlusion and further correct embrasures.

**Cementation of the provisional restoration:**
Cement the provisional crown or bridge with a temporary cement. We recommend to use FIXATEMP® NE Handmix (non-eugenol cement). Cements containing eugenol may inhibit polymerization of definitive resin-based luting materials, used finally for luting of restorations.

**Repairs of provisional restorations:**
Should damage or breakage occur, the following procedure is recommended:

**Breaking of the provisional shortly after making:**
Connect the parts with freshly mixed OPTITEMP® Automix.

**Breaking of a properly set or older provisional:**
1. Using a bur, roughed up the surface of the break point.
2. Apply some bonding agent ( RETENSIN® MT, … ) according to the manufacturer’s instructions.
3. Dispense freshly mixed material onto all surfaces.
4. Hold the parts together for 1 minute.
5. Wait 6 minutes before removing excesses with rotary instruments.
To speed up polymerization, the repaired provisional (after 60 – 90 sec.) may be immersed into water at a temperature of 50 °C for several minutes.

**Safety precautions:**
Prevent skin or eye contact. In case of skin contact rinse immediately with plenty of water and seek medical advice, if necessary. In case of eye contact rinse immediately with plenty of water and seek medical advice.

**Caution:**
Keep away from children. For dental use only.

**Waste disposal:**
Empty packaging material can be disposed of together with ordinary waste material produced in the workplace. Residues of unused product should be passed to a company specialized in waste disposal.

**Storage:**
Store in a dry and dark place at 5 - 23 °C, in well-sealed container. Protect from temperatures exceeding 25 °C.

**Shelf life:** 2 years

**Package:** 78 g of paste in shade A2 – in a cartridge, 15 application cannulas