Venus® Temp 2
Temporary Crown & Bridge Material

GB INSTRUCTIONS FOR USE

Venus Temp 2 is an auto mixed two-component, self curing provisional dental restorative material based on multifunctional methacrylic esters. The intended use is as a short and long term temporary material. Venus Temp 2 can be used for the fabrication of temporary crowns, bridges, inlays, onlays and veneers.

Application

1. Impression taking
Take a preliminary impression before preparing teeth or before a planned tooth extraction. Use a silicone impression material, like Flexitime® or Flexitime® Xtreme (long storage stability!) or an alginate. Carve out interdental areas where needed. In molar areas with absent teeth cut a groove in the impression between the abutments to create a bridge-like connection to stabilize the abutments.

2. Preparing the cartridge
Remove the safety cartridge turn cap and discard. Attach special Venus auto-mixing tip with a sideways turning movement, locking the mixing tip in place. Load the application gun with the prepared cartridge to begin application. Before a mixing tip is applied for the first time, squeeze paste out onto a mixing block until the base and catalyst pastes are the same. Discard the paste which has been squeezed out.

Note: For each new mix, discard approximately 1 – 2 mm (size of a pea) of product from the auto-mixing tip. Leave the used mixing tip on the cartridge to serve as a cap until the next use. To avoid cross infection, items intended for single use must be disposed of after use.

3. Application
Venus Temp 2 is automatically mixed when dispensed with slight and even pressure directly into the preliminary impression made before the preparations. Filling should occur from bottom upward to prevent voids.

4. Forming the temporary crowns or bridges
a. Load the preliminary impression with Venus Temp 2.
   
b. Seat the impression onto the prepared areas of the teeth. Steps a and b must be done within 50 seconds (working time).
   
c. After 1 – 2 minutes (setting time in mouth) the material shows a hardened but still elastic condition and can be removed from the teeth (alternatively: 3 – 4 minutes setting time on the bench).

Note: The material can only be removed, without distortion, during the elastic state.

5. Post curing and finishing
Remove excess material and proximal undercuts after the temporary restoration is removed from the impression. The temporary restoration can be refined with rotary instruments and polished to high gloss 6 minutes from beginning of application. Do not breathe polishing dust; use suitable mouth protective device or an extraction system!

Note: The oxygen inhibited smear layer on the surface caused by the acrylic system cannot be fully avoided and should be removed. It can easily be removed using alcohol or other suitable solvents.

6. Cementing the temporary
Venus Temp 2 temporary crowns or bridges should be cemented with an eugenol-free temporary cement. When using cements containing eugenol, consider that future hardening of resin-based cements could be hindered by any trace of eugenol that remains.

7. Repairs
Venus Temp 2 temporary restorations show high mechanical strength. However, if a provisional restoration should break the following procedures are recommended for repair:

a) Fracture shortly after fabrication
Both ends of the fracture are repaired with freshly extruded Venus Temp 2. Alternatively, a flowable light cure composite (e.g. Venus Diamond Flow or Venus Flow) can be applied and light cured. To ensure a complete cure, apply the flowable material in layers not exceeding 2 mm. Light cure each layer for 40 seconds.

b) Fracture of longer existing temporary restoration
The areas of fracture are cleaned and roughened to provide some mechanical retention. Thus prepared, the fractured areas can be joined with freshly extruded Venus Temp 2. Immerse in warm water to enhance the curing. Alternatively, a flowable light cure composite (e.g. Venus Diamond Flow or Venus Flow) can be applied. To ensure a complete cure, apply the flowable material in layers not exceeding 2 mm. Light cure each layer for 40 seconds.

8. Special hints
Non-hardened Venus Temp 2 can easily be removed with alcohol or other suitable solvents.

9. Precautions
Venus Temp 2 contains methacrylates. Rarely, with susceptible patients, sensitization to Venus Temp 2 cannot be excluded. In these cases, or if allergic reactions are observed. Venus Temp 2 should not be used. Do not use for patients with allergic reactions to acrylates. Avoid contact with skin, mucous membrane and eyes. On contact with the eyes, rinse the eyes immediately with copious amounts of water and seek medical advice if required. On contact with the skin, wash off immediately using water and soap. After swallowing consult a doctor immediately.

10. Storage
Do not store above 25°C (77°F). Venus Temp 2 should not be used after expiration date!

Time Table for application of Venus Temp 2
- 0 – 0.50 Minute – Dispense material into preliminary impression and insert into mouth.
- 0.50 – 3:00 Minutes – Setting of material in mouth.
- After 6 minutes – Remove Oxygen inhibited layer and begin to trim and polish as necessary.

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