

# ELSODENT

Clinical and more biocompatible products

## Phoenix MD

Resin for temporary bridges and crowns

HEMA and TEGDMA-free



### Features

- High flexural strength and slight resilience.
- Due to its perfect thixotropy, PHOENIX MD does not flow and can be injected directly in mouth, around the abutment tooth.
- A new layer can be applied on top of an existing one up to 2 to 3 days after, maximum.
- The new formulation has a setting time of 2' 45".
- Very thin oxygen inhibition layer.

### Indications

- To make temporary crowns and long temporary bridges, with a pre-impresion (indirect method). Due to its high consistency, it is suitable to inject some resin in the sulcus of the preparation, prior to put the resin-filled impresion back in the mouth.
- To make temporary crowns directly in mouth (direct method). A temporary crown can be made in mouth within 3 minutes maximum.

### References & Presentations

PHMD-50-*	1 x 50ml cartridge+ 10 mixing tips.
PHMD-20-*	2 x 10ml syringes + 10 mixing tips.
* Shade	Available in A1, A2 or A3
EJ-100	100 yellow mixing tips.

MD: class IIA. Certifying body: SNCH. Manufacturer: G-Pharma



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## Clinical procedures

### Indirect method

- Inject PHOENIX MD in the pre-impression. Check that the nose of the mixing tip is always in contact with the bottom of the pre-impression, to avoid bubbles in the material.
- For incisors, use an intra-oral tip, to be able to reach the bottom part of the impression.
- Also use an intra-oral tip to inject resin in the sulcus of the tooth, prior to put back in mouth the pre-impression loaded with resin, to get a perfect temporary crown.
- **Important notice:** do not forget to withdraw the loaded impression from the mouth, after 1 minute maximum: the resin will be still in a plastic phase (soft) and it will not be blocked by the adjacent teeth. The material will recover after deformation.
- Wait for the resin to set completely in the impression, out of the mouth.
- Take the impression off the mouth and eliminate the oxygen inhibition layer with a disinfection wipe or with a tissue impregnated with alcohol. This layer is always present in the 2 components resin products.
- Trim the excess with a diamond bur without water spray.

This type of resin is very hard and the use of a laboratory bur for resin is not recommended.



1. Teeth prepared.



2. Injection of PHOENIX MD in the pre-impression.



3. Temporary bridge in the impression.



4. Temporary bridge outside the impression.



5. Temporary bridge finished and polished.

### Direct method

- Keep the prepared abutment tooth slightly humid. Put a yellow ring mixing tip and an intra-oral tip on the cartridge and inject PHOENIX MD directly onto the teeth, starting in the sulcus.
- Once, the tooth is completely covered, ask the patient to bite on the uncured resin.
- After about 40 seconds, the resin reaches an elastic phase. Ask the patient to open wide and take the untrimmed temporary crown off the tooth and put it back few times, to avoid any blocking with adjacent teeth.
- Trim the excess in mouth, using a diamond bur, under water spray.
- Trim the proximal walls outside of the mouth.
- Polish the crown. Seal it with a temporary luting cement.



1. 35 and 36 prepared. Impression completed.



2. Injection of PHOENIX MD starting by the sulcus.



3. Looks of the temporary crowns after bite registration and polymerization.



4. Sculpture directly in the mouth with a diamond bur.



5. Temporary crowns finished and polished.