FEGURAVEST® M

FEGURAVEST® M is a phosphate-bonded precision investment material for the sophisticated model casting technique. Suitable for both silicone and gel duplication.

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ONLY FOR DENTAL USE BY QUALIFIED PERSONNEL

MADE IN GERMANY

Instructions for use

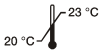
1. Indication

FEGURAVEST® M is a phosphate-bonded precision investment material for the sophisticated model casting technique.
Suitable for both silicone and gel duplication.

2. Technical data

Processing parameters	**Recommended value**
Temperature powder and liquid	**21 - 23°C**
Mixing ratio	**Models: 200 g : 26 ml gel duplication** **200 g : 28 ml silicone duplication** **Over-bedding: 400 g : 56 – 60 ml**
Stirring time under vacuum	**60 sec. Under vacuum**
Processing time	**3 min.**
Setting time	**30 min**
Expansion	**Setting expansion: 0.5 - 0.7%** **Thermal expansion: 1.1 - 1.2%** **Overall expansion: 1.6 - 1.9%**

3. Important information



- Before use, always follow the safety instructions specified below.
- Use the special mixing beaker and spatula to mix **FEGURAVEST® M**. Do not bring into contact with plasters.
- Protect **FEGURAVEST® M Liquid** against frost!
- The best and most consistent results are achieved with a stable storage temperature for the powder and liquid of 20 – 23 °C.

4. Duplicating the master model

Duplicate the carefully prepared and clean master model with **Fegura® Sil hydro special II** (REF 2115), **Fegura® Sil AD special** (REF 2022) , **Fegura® Sil quick** (REF 1080) or **Fegura® Sil extra hard** (REF 1090). Or gel duplication: **Fegura® Gel SF** (REF 2220)
After hardening the duplicating silicone with compressed air or a suitable instrument, devest it from the mould. When using duplicating cuvettes, the **Fegura® Sil** mould must always be left in the cuvette part.

5. Production of the duplicate model

13 ml liquid - 100 g powder (1 model = 200 g : 26 ml) for gel duplication
14 ml liquid - 100 g powder (1 model = 200 g : 28 ml) for silicone duplication
Place the accurately measured amount of liquid in the mixing beaker and slowly add the powder, mix vigorously with the spatula and stir 60 sec. under vacuum. The mixing time should always be observed. This applies both for the model and for rebedding. Carefully fill the mixed investment material into the duplicating mould under vibration and leave the model to harden for at least 30 minutes without shock. Then carefully devest the **FEGURAVEST® M** investment material model from the silicone mould with air or using a suitable instrument.
Do not immerse and harden the investment material model

Prior to modelling, the investment material model has to be dried for 10 - 15 minutes on the heater plate (REF

2290, ca. 125 °C). We recommend lightly spraying all surfaces on the **FEGURAVEST® M** investment material model, which are adapted with wax or prefabricated plastic parts, with **BIO-PRÄP SPRAY** (REF 2130) or brush in with **BIO-PRÄP** liquid (REF 2135). It can be modelled or waxed-up immediate after the dental cement dries. **BIO-PRÄP burns out completely and does not form casting lugs.**

6. Producing the casting mould

The liquid is supplied ready-to-use (100%) and does not need to be diluted.
For over-bedding: 56 - 60 ml liquid : 400 g powder (recommendation)

Pour out the casting mould at a mid-range vibrational frequency and leave it to harden in the muffle. For over-bedding the investment material model, we recommend **Feguravest® Krepp-Liner** (REF 2270).
The casting mould is then pulled off slightly on the lower and upper sides on the dry trimmer. The muffle is now prepared for heating and can be placed in the furnace with the casting funnel downwards.

7. The preheating process

	Climb rate in °C/min.	Temperature in °C	Holding time in min.
1st stage	5°C/min.	280°C	40 min.
2nd stage	7°C/min.	580°C	30 min.
3rd stage*	9°C/min.	850 - 900°C	60 min.

* Gold casting alloys: heat to 850 - 900 °C, hold 30 min. and cool down in the furnace at the preheating temperature specified by the alloy manufacturer.

8. Casting

Please observe the manufacturer's specifications for casting the alloys.
We recommend model casting alloys from Feguramed.

- **Combilium BSM 3** (REF 2191) for combined dentures
- **Combilium BSM 4** and **BSM 5** (REF 2190 – 2192) for clasp prostheses
- **BSM 4** and **BSM 5** are also suitable for laser welding

9. Devesting

After casting, leave the casting cuvette to cool down to room temperature in the air and carefully devest it.
We recommend blasting abrasive from Feguramed.

- **Alumix** consisting of high-quality corundum (30 µm, 50 µm, 120 µm, 150 µm, 250 µm – REF 7040-7049)
- **Perla-Glas** glass beads (1-50 µm, 40-70 µm, 70-110 µm, REF 7010-7015).

Safety information:

- Investment materials contain quartz. Do not inhale dust! Risk of lung damage (silicosis, lung cancer). Recommendation: use a FFP 2 type respirator.
- Ammonia is produced if the investment material is heated over 200 °C. Ammonia irritates the respiratory organs.

Guarantee

As a result of a certified quality management system, Feguramed guarantees perfect quality for its products. The processing recommendations are based on reference values determined in our test laboratory. These reference values can only be assured if the processing recommendations are precisely followed. The user assumes responsibility for processing the products. Feguramed is not liable for poor results, as Feguramed has no influence on processing. Should claims for damages still arise, these are exclusively related to the value of the products.