GILVEST MECO

Dental

Phosphate bound investment for titanium casting process suitable for casting models.

Mixing ratio
powder : GILVEST LIQUID 100 g : 18 ml

Temperature of powder and liquid app. 20°C

Expansion control by means of GILVEST LIQUID:
The higher the GILVEST LIQUID proportion in the mixing liquid, the higher the expansion value

Expansion values
referring to a liquid concentration of 100 %

setting expansion	app. 1.2 %
thermal expansion	app. 1.3 %
total expansion	app. 2.5 %

Instructions for use
Mixing concentration GILVEST LIQUID : dist. Water 65 : 35

Mixing time
Mix the powder and the liquid vigorously by means of a spatula for 20 seconds, then mix with a mechanical stirrer under vacuum for 40 seconds and vibrate the mixture for 10 sec.

Working time	5 - 6 min
Final setting time	1 h
Maximum temperature	1200°C
Heating cycle	5 - 7 °C/min

Holding time

280 - 300° C	45 - 60 min
560 - 600° C	45 min
final temperature	30 - 45 min

depending on the size of the muffle

Special note
GILVEST MECO must not come into contact with plaster or investments containing plaster. Use separate mixing tools.

Only silicone should be used for duplicating.

If the wax model is treated with a surface tension reducing wetting agent, let it dry completely before investing. Never use compressed air for drying! Cooling down to handwarm should take place in the oven.

Attention
Avoid inhaling dust when handling the powder Investment contains silica.

Storage
Keep GILVEST MECO in well closed, damp proof packages. Observe the expiration dates on packages.
GILVEST LIQUID has a shelf life of 1 year. It freezes at temperatures below 0° C. Once frozen it is unusuable. Therefore fill your winter requirements early.

Packing Units
Investment:

Fiber drums with foil insert	45 kg
Portable cardboard box with foil insert	20 kg
PE case, sealed air-tight	4,5 kg

Liquid:

Plastic bottle	0,75 l
Plastic bottle	1 l
Plastic container	30 l

The above recommendations are given to the best of our knowledge. We grant the quality of our products according to our specification. Any further liability cannot be accepted since the proper application of our products is outside of our control.

BK Giulini