



Synthetic dental plaster of the highest die-stone quality for the precision technique

EN ISO 6873 - type 4

For all master- and working-models requiring high strength and precision.

- Saw cut models
- Control models
- Master models
- Precious metal technique
- Dental ceramics
- Model casting technique

GILSTONE guarantees

- smooth, scratch-resistant surfaces
- stable edges of the models
- consistent high quality
- minimum expansion

Physical data

Setting time	app. 10min
Compressive strength after 24 h	min. 50 N/mm ²
Hardness after 24 h	min. 150 N/mm ²
Setting expansion after 2 h	app. 0,10 %

Working method

Mixing ratio	
GILSTONE : water	100 g : 23 ml
Water : powder	0,23 ml/g
Working temperature	app. 23° C

Strew the powder in the given ratio into the water within 10 sec. and allow the mix to soak for 20 sec.

Mechanical mixing	30 sec
Hand mixing	60 sec

The initial consistency becomes more fluid during mixing and reaches optimum fluidity, when pouring the moulds on the vibrator.

Pouring time	app.5 min
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Do not vibrate after this time so as not to disturb the crystallization.

Availability

White or brown;
minimum batch quantity per shipment is 2 tons.

Packaging

Paper bags with foil liner	25 kg
Portable cartons with foil liner	25 kg
Plastic containers	5 kg
4 plastic containers in a carton	20 kg

Shelf life

At least 1 year in well closed vapour-proof packages.

Important

GILSTONE - like all plaster products - is sensitive to humidity and contact with the air should be avoided. If repackaged use only vapour-proof material eg.

- plastic-aluminium foil
- low-pressure polythene containers with a wall thickness of min. 0,5 mm

Container should be well sealed between usage and should be stored in a dry area.

GILSTONE which has been stored at extreme temperatures should be equilibrated at R.T. for several hours before use.

It is recommended that a model which has dried out during storage be soaked in water for approximately 2 min. before sawing or removing wax (injection method).

The recommendations are given to the best of our knowledge after careful control. 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.