



GC Fujivest Super®

Carbon-free phosphate-bonded investment



**A proven dimension in
high precision castings**

GC
FIRST IS QUALITY

Features and Benefits

Time saving

- Can be fired at the final temperature just 20 minutes after mixing.
- Perfectly suited for quick-heating investments

High precision investments

- Extremely smooth cast surfaces and reproduction of the minutest detail even with finely feathered edges.

Ease of use

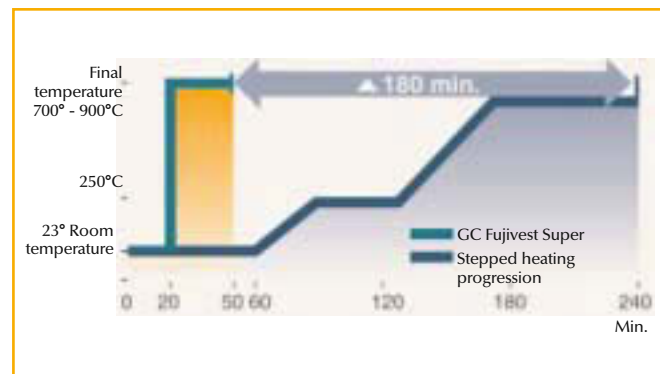
- Fluid consistency and adequate setting time facilitate investing.

Consistent quality

Controlable expansion

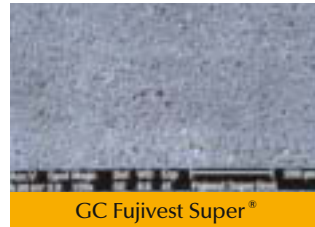
Time saving

Of particular importance to the dental technician is the suitability of GC Fujivest Super® for laboratory application - a suitability amply demonstrated by its physical properties. The amount of time saved speaks for itself. After a mere 20 minutes, the product is set and can be placed in the pre-heated furnace at the final temperature.

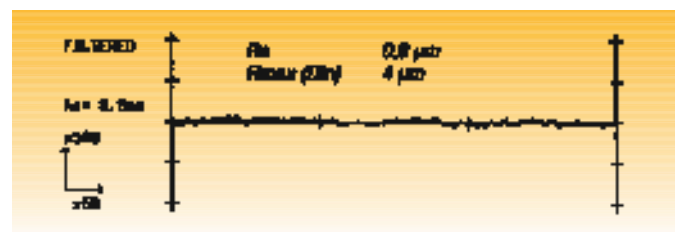


High Precision Investments

The use of carefully balanced, fineparticle filler in the powder mix significantly reduces surface roughness, and improves the surface quality of the final cast.



SEM photograph with 125x magnification of the investment surface



Finished gold casting (magn. 25x) with surface structure

GC Fujivest Super®

For high precision castings

Ease of use

An extremely fluid consistency allows even the finest modelling edges to be reproduced, down to the smallest detail. The working time of up to 4 minutes is conducive to careful, controlled investment. The critical aspect of edge stability is guaranteed by good compressive strength (5 MPa).



Extremely fluid consistency



Compressive strength test

Consistent quality

Uniform results when processing dental materials can not be achieved economically unless their quality is maintained from one batch to the next.

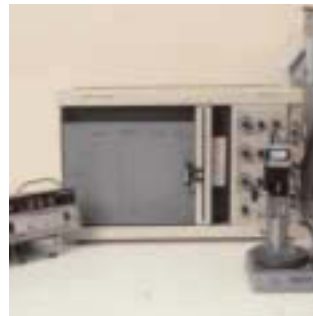
Each batch is checked several times during manufacture by means of in-process controls to ensure compliance with product-specific characteristics.

The final cast - a very smooth surface structure down to the finest detail.

GC Fujivest Super® is a widely applicable, high quality investment material, which fully satisfies the requirements of the modern dental laboratory.



Smooth cast without sprues



Expansion test

The final result of the invested material is also subject to optical and photometric test criteria using a series of reference models before a batch is finally released.

It combines ideally the benefits of traditional materials with the time-saving advantage of quick-heating.

Controlable expansion

Exact control of the total expansion is crucial for the accuracy of the fit of the castings. Here again, the procedure is straight-forward and geared to routine, practical use.

Expansion	100% Liquid	100% Water
Setting expansion	1,18	0,32
Thermal expansion	1,01	0,58
Total expansion	2,19	0,90

Indications

- For quick and step heating
- With special attention for precious and semi-precious alloys
- Perfect fit even for long span resolutions

Further Information

- Ask for the special brochure: "GC Fujivest Super" for Implantology



GC Fujivest Super®

Physical properties*

Powder/liquid ratio	100 g / 22 ml
Mixing time	1 minute
Working time	up to 4 minutes
Setting time	8 minutes
Setting expansion	1.18%
Thermal expansion	1.01%
Total expansion	2.19%
Compressive strength	5 MPa

* at a room temperature of 23°C and 100% liquid concentration

Packaging



Pack.: 6 kg powder (100 x 60 g bags)
 6 kg powder (67 x 90 g bags)
 6 kg powder (40 x 150 g bags)
 900 ml liquid
 900 ml liquid H.E.
 (High Expansion Liquid)

Guidelines for perfect casts

Optimal storage and working conditions are at a temperature of 23°C.

Stop vibrating as soon as the ring is filled. Do not touch the material until it has set.

Do not use old mixing bowls or those containing residual investment.

After pouring, leave the investment to set for 20 minutes before placing it directly into a pre-heated furnace.

Only a small amount of vibration is required for investing the material due to its extreme fluidity. Fierce vibration should be avoided.

Casting and devesting.

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