

GC Fujivest II

CARBON-FREE, PHOSPHATE-BONDED INVESTMENT



**VERSATILITY GIVES
YOU MORE SCOPE**

Carefully controlled, ongoing development work and the continual improvement of existing products - a hallmark of GC's development philosophy - guarantee the user enduring product excellence and qualities ideally suited to practical laboratory use.

GC Fujivest, for years the yardstick for carbon-free, phosphate-bonded investment materials, has been enhanced by the development of GC Fujivest II, as lasting proof of the advantages of this concept. This genuine all-round investment, without compromising quality, offers practitioners the kind of scope not previously available:

- ✓ universally applicable with quick heating and stepped heating methods
- ✓ usable with or without a casting ring
- ✓ usable with all dental alloys including Co-Cr and Ni-Cr

GC Fujivest II

SUITABILITY FOR LABORATORY USE - SIMPLY IMPRESSIVE

Virtually no other material meets the need for a versatile investment as much as GC Fujivest II.

Fundamental development objectives for the laboratory have been strikingly achieved by the careful selection of raw materials and the qualitative and quantitative composition of the powder mix.

A distinct advantage of GC Fujivest II is that users can choose between quick heating and stepped heat progression without the problem of expansion differences.

This feature alone will not satisfy all the requirements of a genuine all-round investment material.

The option of deciding between investment with or without a ring, with unlimited choice of muffle sizes, is equally important.

Problem-free use with all alloys, including non-precious metal alloys, is impressive too.

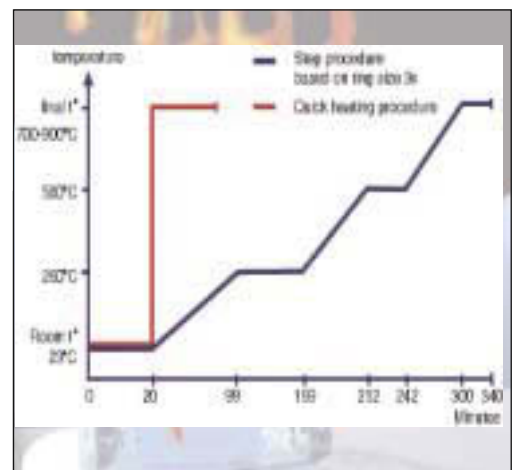
Compensation for the variable contraction behaviour of the alloy is achieved in the simplest way possible, merely by diluting the liquid with water.

This allows precise expansion control, ensuring good accuracy of fit.

Prevention of failures in the investment material is also of practical importance, especially with large investments - another problem focused on during the development of GC Fujivest II.

Diversity alone is no guarantee of suitability for laboratory use.

The surface quality of the final casting is equally important. Here again, the reformulated GC Fujivest II powder mix gives greatly reduced surface roughness, especially with non-precious metal alloys.



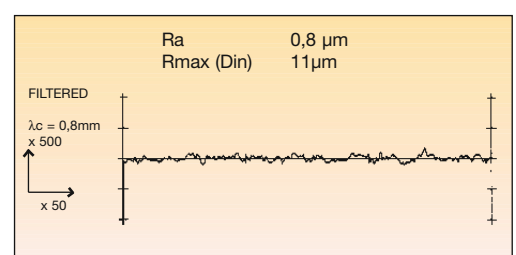
Heating up schedules



Suitable to ring or ringless casting systems

Expansion*	100% liquid	50/50% liquid/water	100% water
Setting expansion	2,3 %	0,8 %	0,0 %
Thermal expansion	1,0 %	0,9 %	0,5 %
Total expansion	3,3 %	1,7 %	0,5 %

* at room temperature of 23°C



Surface structure of non-precious alloy casting

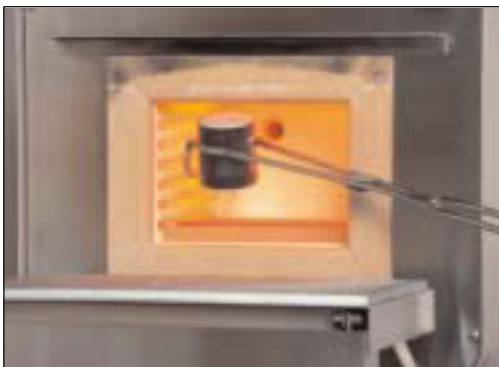
GC Fujivest II

EASE OF USE

ADVANTAGES AT A GLANCE



Extremely fluid consistency



Quick heating



Pictures and laboratory work by S. Shiraishi - Sapporo Japan

GC Fujivest II is easy to incorporate into existing practice and ideal for laboratory use, as a result of product characteristics consistently geared to practical suitability for the laboratory.

This starts with a greatly reduced mixing time. Investing can begin after just one minute of mixing.

The fluid consistency allows accurate reproduction even down to the finest detail.

Here again, the practical orientation of GC Fujivest II is evident.

The investment retains a uniform consistency throughout the investment time, effectively preventing the inclusion of air bubbles.

The investment time of 6 minutes is long enough to invest large models, even at higher room temperatures, without any time pressure. After just 20 minutes setting time, the investment can be placed in a preheated furnace at the final temperature either ringless or with a ring and an unlimited choice of ring sizes.

INDICATIONS AT A GLANCE

- inlays / onlays
- bridges of all span widths
- combination work
- individual attachments
- implant supra-structures

CONSISTENT BATCH-TO-BATCH QUALITY

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

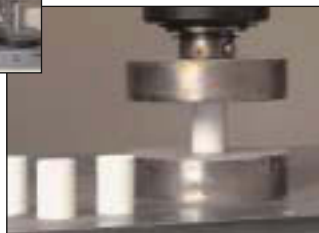
Superior product characteristics or ease of use alone will not satisfy this most essential of material requirements.

GC meets this demand through an ISO 9002-certified quality management system.

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



Expansion test



Compressive strength test

... AND TRUST IN THE MANUFACTURER

Years of experience in the development of market-leaders among dental products have made GC an internationally acknowledged partner in the field of dental technology. This is consistently demonstrated by the market position of GC products.

Trust in quality is one thing, a show of trust is another

As a show of trust we are offering the GC Fujivest II introductory pack. In conjunction with detailed handling instructions, this provides a risk-free way of testing our claims and the quality of GC Fujivest II.



PRODUCT RANGE AT A GLANCE



- Powder:** 6 kg box (100 x 60 g bags)
 6 kg box (67 x 90 g bags)
 6 kg box (40 x 150 g bags)
 2 kg tin
- Liquid:** 900 ml bottle

Product characteristics*

Powder/liquid ratio	100 g : 22 ml
Mixing time	1 minute
Working time	6 minutes
Setting time	11 minutes
Fluidity	63 mm
Casting ring system	ring / ringless
Devesting hardness	soft to medium-hard
Preheating	conventional or quick heating (20 minutes) at final temperature

*at room temperature of 23°C

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