

A World First  
New

# Paste Paste GC FujiCEM

Reinforced glass ionomer luting cement  
in a PASTE formulation

A complete system for faster,  
more confident luting



**GC**

FIRST IS QUALITY

# GC FujiCEM

## The world's first glass ionomer luting cement mixed from a PASTE

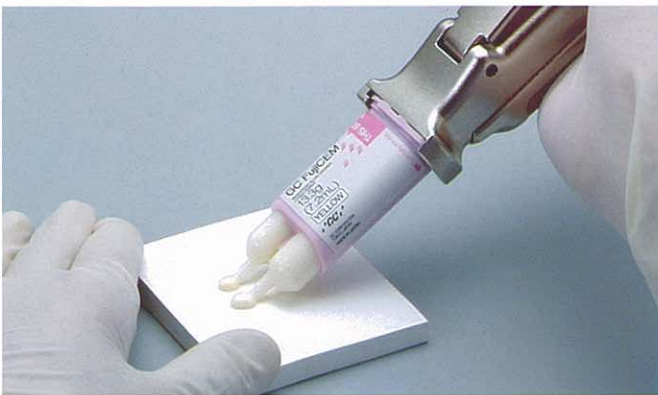
NEW FujiCEM is the first resin reinforced glass ionomer luting cement in a PASTE formulation. Developed by GC, well-recognised as a leading manufacturer of high quality, technically advanced luting cements, FujiCEM is essentially a new 'paste' 'paste' version.

Together with its own unique dispenser, GC FujiCEM paste, forms a complete luting 'system' that **simplifies** the current technique, **saves time** during the procedure and helps ensure a **perfect** result.



GC Fuji

### 1 A complete luting SYSTEM

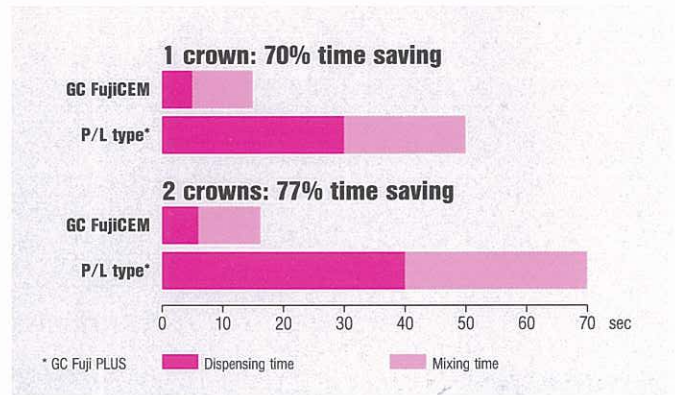


Pastes are dispensed 'automatically' in precisely the right ratio

The GC FujiCEM luting system consists of replaceable 'double-barrelled' paste cartridges - called Paste Pak Cartridges - that fit into a special Paste Pak Dispenser.

To dispense the paste, the cartridge is placed into the Paste Pak Dispenser and the lever 'squeezed'. The two pastes are then dispensed automatically in precisely the right ratio to ensure that when mixed together they form a cement of exactly the right consistency for optimal workability and clinical performance.

### 2 REDUCES preparation time



Substantial time reduction whilst working with GC FujiCEM

The FujiCEM system reduces the time to dispense and mix luting cement from around 50 seconds for an average crown when powder and liquid are used, to about 15 seconds with FujiCEM paste. Time saving 70%! For two crowns the time saving is even greater, just 16 seconds for the paste as opposed to 70 seconds with powder and liquid - a 77% saving in preparation time!

The FujiCEM system speeds the luting procedure in four main ways:

- ▲ Paste Pak Cartridge is loaded and removed from the Paste Pak Dispenser very quickly.
- ▲ The two pastes are 'automatically' dispensed in the correct ratio (1.4:1.0 by volume %) via the Paste Pak Dispenser.
- ▲ Paste mixes thoroughly in just 10 seconds with no scattering of powder.
- ▲ No need to worry about generating air bubbles.

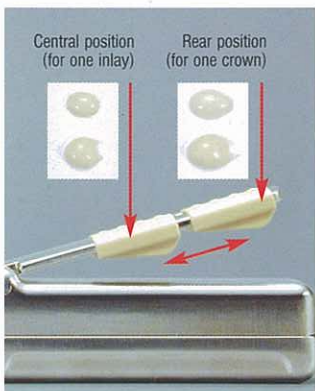


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The GC FujiCEM system -  
Paste Pak Cartridge  
and Paste Pak Dispenser



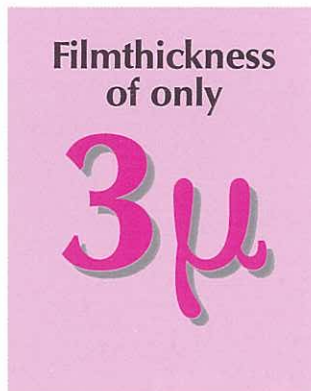
**3** REDUCES material wastage **4** Helps ensure a PERFECT result



Always the right amount of material



Excess cement can be removed easily



**Adhesive strength guaranteed**

The final cement has the right chemical balance for maximum adhesion. In most cases bonding to tooth substance, alloy, or composite is sufficiently strong not to require a conditioner. If additional bonding strength to tooth structure is needed however, GC Fuji PLUS Conditioner can be used.

**Sustained release of fluoride**

The paste releases about twice the amount of fluoride over the long-term than conventional powder / liquid glass ionomers.

The Paste Pak Dispenser can be set to deliver just the right amount of material by simply moving backwards or forwards the finger grip on the Paste Pak Dispenser. Standard finger grip positions also speed dispensing as illustrated by the diagram.

Paste does not 'leak' from the Paste Pak Cartridge after dispensing

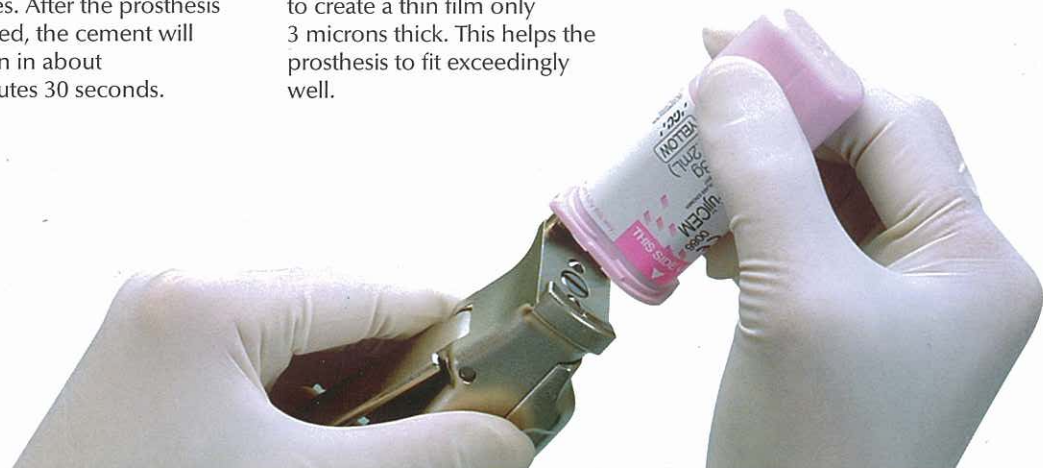
Easy to see how much paste is left by simply looking through the translucent Paste Pak Cartridge.

The 'paste' 'paste' formulation of GC FujiCEM, consistently dispensed in their correct ratios, means the final cement always has the optimum workability and clinical performance.

**Ample working time**  
Working time from the start of mixing is 3 minutes - more than enough time for cementing even long-span bridges. After the prosthesis is seated, the cement will harden in about 2 minutes 30 seconds.

**Longer time to remove excess cement**  
Excess cement can be removed easily from between 1 minute and 2 minutes 30 seconds after the prosthesis is seated in the mouth.

**Creates a thin seating film for improved fit**  
The mixed paste has a cream-like consistency which flows under seating pressure to create a thin film only 3 microns thick. This helps the prosthesis to fit exceedingly well.



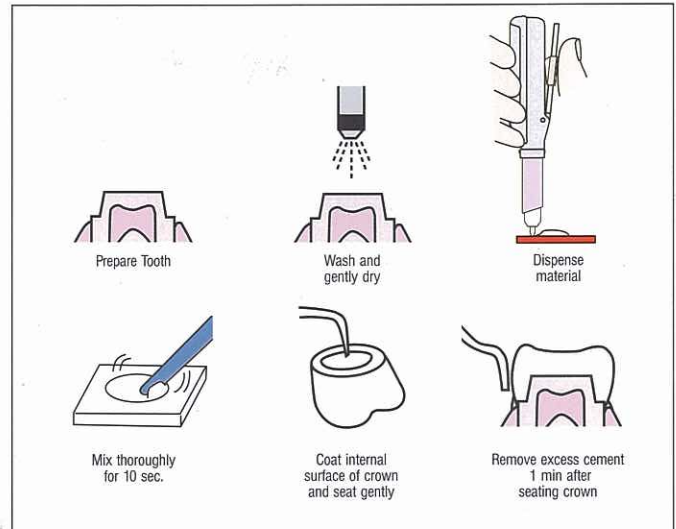
# Paste Paste GC FujiCEM


## Physical properties

	GC FujiCEM	Competitor R
Working time (23 °C)	3'00"	10'30"
Setting time (37 °C)	2'45"	5'40"
Consistency (mm)	28	30
Film thickness (µm)	3	12
Compressive Strength (MPa)(24 hrs)	122	78
Diametral tensile Strength (MPa)(24 hrs)	15	15
Flexural Strength (MPa)(24 hrs)	34	32
Tensile Bond Strength (MPa)(24 hrs)		
Bovine Enamel	8	7
Bovine Dentine	7	3
Composite	17	12
Silanated porcelain	18	NA
Alloy	15	10
Radiopacity	Yes	Yes

Source : Internal data, GC Corporation


## Clinical technique






**GC FujiCEM Introductory Set**  
Shade: Yellow  
2 x Paste Pak Cartridge, 13.3g (7.2ml),  
1 x Paste Pak Dispenser,  
1 x mixing pad (No. 22),  
1 x plastic spatula

**Refill**



**GC FujiCEM**  
Shade: Yellow  
2 x Paste Pak Cartridge, 13.3g (7.2ml),  
1 x mixing pad (No. 22),



**Paste Pak Dispenser**  
1 piece

**For Further Information:**

[www.gcasia.info](http://www.gcasia.info)

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