

The recipe for success!

With this complete luting system – based on resin modified glass ionomer technology – you choose the **safe solution** for your patients.



Adhesive and compressive strength guaranteed

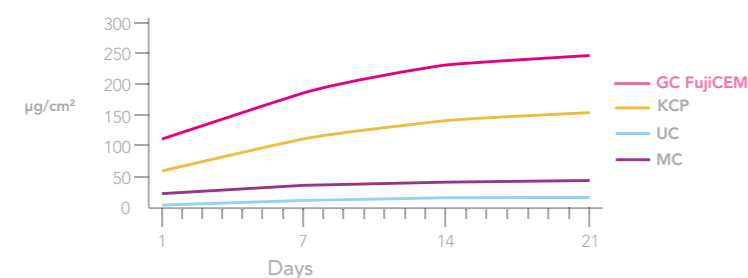
The final cement has **the right chemical balance for maximum adhesion** to tooth substance, alloy, or composite^{1,2}. The early, high compressive strength provides **the best possible support** for restorations of any kind^{3,5,6}.



Sustained release of fluoride

Helps **protect tooth structure against recurring caries and decay**. In the long term, the paste releases about twice the amount of fluoride compared to typical resin modified glass ionomers.

Cummulative Fluoride Release



Clinically insoluble when wet

Ionic bonding to the tooth structure maintains the marginal seal, minimising the risk of early washout or micro leakage. With a coefficient of thermal expansion very close to dentin, the paste helps you perform perfect clinical restorations every time.



Biocompatible

Non-irritating to tooth structures or soft tissues, the cement poses no risk of post-op sensitivity for patients⁴.



Extremely thin seating film

With its creamy consistency, the mixed paste flows under seating pressure to create a film **just 3 microns thick**.

Porcelain fused to metal



Long span and multi-unit bridges



Composite and ceramic inlays, crowns and bridges*



* Ceramic crowns and bridges with flexural strength higher than 600 (MPa).

Product	FujiCEM (GC)
Working time (23 °C)	2'15"
Setting time (23 °C)	4'00"
Setting time (37 °C)	2'30"
Consistency (mm)	29
Film thickness (µm)	3
Compressive Strength (MPa) (24 hrs)	122
Flexural Strength (MPa) (24 hrs)	34
Tensile Bond Strength (MPa)	
Bovine Enamel (without conditioner)	6.9
Bovine Dentine (without conditioner)	3.7
Composite (GRADIA)	5.5
ZrO: (sandblasted)	8.8
Precious metal (sandblasted)	12.3
Solubility (%)	
Distilled water	0.30
0.001M Lactic acid	0.55
Radiopaque	yes

Source: Internal data, GC Corporation



GC EUROPE N.V.
Head Office
Interleuvenlaan 13
B – 3001 Leuven
Tel. +32.16.39.80.50
Fax. +32.16.40.02.14
info@gceurope.com
www.gceurope.com

GC UNITED KINGDOM Ltd.
22–23, Coopers Court
Newport Pagnell
UK – Bucks. MK16 8JS
Tel. +44.1908.218.999
Fax. +49.1908.218.900
info@uk.gceurope.com
www.uk.gceurope.com



Now the
choice
is yours:
automatic or
manual.

FujiCEM & Automix from GC.

GC's technically advanced Resin Modified Glass Ionomer luting cement has been upgraded for even easier handling.

After seven years on the market with a superb reputation for successful clinical results, FujiCEM is now even more versatile. For extremely cost-effective procedures – guaranteed!

'GC.'

'GC.'

A new and improved FujiCEM.

FujiCEM is the first ever resin modified glass ionomer luting cement to come as a PASTE. Developed by GC, a leading manufacturer of high quality, technically advanced luting cements, FujiCEM has built its reputation on **successful clinical results** during its seven years on the market.

With its own unique dispenser, FujiCEM creates a complete luting 'system' that not only **simplifies** the luting process, but also **saves you time** and helps ensure a **perfect result**.

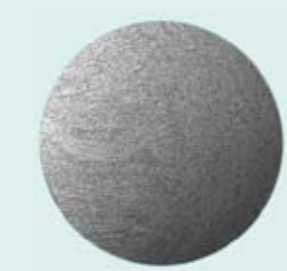
Dispensing FujiCEM is straightforward as the pastes dispense automatically in precisely the right ratio. Optimum workability and peak clinical performance are guaranteed. What's more, you can control dosage ensuring **the right quantities for every indication**.



Looking for added flexibility and ease of use? FujiCEM proudly presents the new Automix option.



FujiCEM Automix: all the brilliant benefits of the exclusive FujiCEM Paste Pak system in a brand new, **ultra-convenient automix delivery** system. No mixing. No mess. Get easier results thanks to a versatile new approach.



With FujiCEM Automix, you transfer an even mix directly into the restoration. It's **faster and easier** than mixing by hand – **without voids or risk of post-op sensitivity**.



And since you dispense FujiCEM straight into the restoration, you **rule out any risk of contamination**.

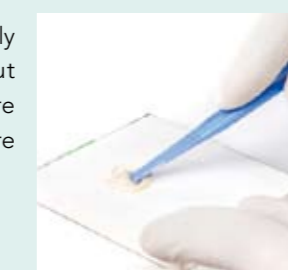
Step-by-step to easy and perfect clinical restorations.

1. To dispense the paste, quickly load the cartridge into the Paste Pak Dispenser. To set the amount you need, simply **move the finger grip backwards or forwards**.



2. The pastes dispense automatically in **precisely the right ratio**. This ensures the cement has exactly the right ratio for peak clinical performance.

3. Pastes are mixed thoroughly in just **10 seconds**, without scattering powder. Now you're ready to dispense the mixture into the restoration.



4. Alternatively, attach the Automix tip prior to dispensing, click the lever and transfer the mix with the **right consistency for optimal workability** directly into the restoration.



5. FujiCEM is convenient to work with and gives you plenty of time to remove excess cement. Once the paste is mixed, you have **3 minutes to work** with it – enough to cement even long-span bridges.



6. Need to remove excess cement? It's easy, even up to **1 minute** after the prosthesis is in place. The cement hardens within approximately **2 minutes** and 30 seconds.



Supporting studies

- Johnson, G., X. Lepe, X., and Zhang, H. (March 2005). Crown retention for paste-paste formulations of resin-modified glass ionomer cements. Abstract 2894. In IADR: Baltimore, MD, USA
- Irie, M., Richter, B., and Suzuki, K. (2005). Effect of one-day storage on marginal gap formation of luting cements. Abstract P-121. In Adhesive Dentistry, Vol. 22, No. 4
- Usuki, D., Nakaseko, H., Kato, S. and Hirota, K. (March 6-9 2002). Early compressive strength of glass ionomer cement for luting. GC Corporation, Tokyo, Japan. IADR/AADR/CADR 80th General Session
- Yoneda, S., Morigami, M., Sugizaki, J., and Yamada, T. (2005). Short-term clinical evaluation of a resin-modified glass-ionomer luting cement. Quintessence Int., 36, 49-53
- Fabianelli, A., Goracci, C., Bertelli, E., Monticelli, F., Grandini, S., Ferrari, M. (Spring 2005). In vitro evaluation of wall-to-wall adaptation of a self-adhesive resin cement used for luting gold and ceramic inlays. Journal of Adhesive Dentistry, 7(1), 33-40
- Cury AH, Goracci C, de Lima Navarro MF, Carvalho RM, Sadek FT, Tay FR, Ferrari M. (2006). Effect of hygroscopic expansion on the push-out resistance of glass ionomer-based cements used for the luting of glass fiber posts. Journal of Endodontics, 32(6), 537-40