62-16 FujiCem Resin Reinforced Glass Ionomer Luting Cement (Project 00-35) (04/01)

FujiCem is a two-paste, hybrid resin/glass ionomer for the permanent cementation of fixed restorations. The product is distinguished from the other currently available resin-modified glass-ionomer luting agents (Fuji Plus, GC America; RelyX, 3M) in that it consists of two pastes while the others are a powder and a liquid. FujiCem is packaged in dual-tube cartridges that are inserted into a metal, hand-operated dispensing device. GC America claims that the device and the cement's paste consistency make it easy to accurately dispense the intended amount of the cement. Mixing is also said to be more easily accomplished than for the powder and liquid types. GC claims that the cartridge are transparent enough to allow the users to see how much cement remains in the tubes and the ports remain free from clogging. The product's other purported advantages include ample working time, ease of clean-up, and low film thickness. FujiCem is recommended for the cementation of metal, porcelain-fused-to-metal, and resin crowns, inlays, onlays, and bridges. It can also be used to cement porcelain inlays and serve as a liner/base. The cement is available in one shade (yellow).

Manufacturer:
GC America Inc.
3737 W. 127th Street
Alsip, IL 60803
(800) 323-7063
(708) 597-0900
(708) 371-5103 FAX
www.gcamerica.com

Suggested Retail Price:
$146.20 GC FujiCem Introductory Set (item number 431571), contains
- two 13.3-g (7.2-mL) Paste Pak Cartridges
- Paste Pak Applier
- mixing pad
- mixing spatula

Government Price:
$95.00 GC FujiCem Introductory Set (item number and contents as listed above)

ADVANTAGES:
+ Paste/paste formulation makes cement easier to dispense and mix than other (i.e., powder/liquid) brands of resin/glass-ionomer cement.
+ Film thickness is lower than that of other similar cements evaluated by DIS.
+ Very easy to clean up excess cement from the margins.
+ Dispensing system was highly rated by users.
+ Working time is long enough to allow proper mixing and placement before cement begins to set.
+ Has acceptably short setting time (about 4 minutes).
+ Adequately radiopaque for detection on radiographs.
+ Use of pre-luting conditioner is optional.
+ Expiration dates and lot numbers are provided on cement cartridges.
+ Proper storage conditions listed on product box.
+ No post-treatment sensitivity reported during evaluation.

DISADVANTAGES:
- Instructions call for use of post-luting sealer which is not provided with product.
- Not shipped with a Material Safety Data Sheet.
SUMMARY AND CONCLUSIONS:
FujiCem was very well received by the clinical users in this evaluation. They rated the product's dispensing system and handling characteristics higher than for other brands of this type of cement evaluated by DIS. FujiCem's physical properties (e.g., film thickness, working and setting times, and radiopacity) are excellent. It is clear from this evaluation that the clinical users were highly impressed with the handling characteristics of FujiCem. It was very easy to dispense, mix, and clean up. Few negative comments or suggestions for improving the product were received from the evaluators. FujiCem Resin Reinforced Glass Ionomer Luting Cement is rated Recommended for use by the federal dental services.