Prior to use, carefully read the instructions for use.

GC Fuji VII

RADIOPAQUE GLASS IONOMER PROTECTION AND STABILISATION MATERIAL

For use only by a dental professional in the recommended indications.

RECOMMENDED INDICATIONS

1. Fissure protection.
2. Root surface protection.
3. Hypersensitivity prevention and control.
4. Intermediate endodontic sealing.
5. Intermediate restorations.
6. Caries stabilisation.

CONTRAINDICATIONS

1. Pulp capping.
2. In rare cases glass ionomer may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.

DIRECTIONS FOR USE

PINK Shade is command set, WHITE Shade is chemical set only.

	Standard Mix (Pink Scoop)	EWT Mix (Yellow Scoop)
Powder / Liquid Ratio (g/g)	1.8 / 1.0	1.1 / 1.0
Mixing Time (sec.)	20-25"	20-25"
Working Time (min., sec.)	1'40"	2'10"
Net Setting Time (min., sec.)	2'30"	3'00"
Final Finishing Commencing Time	6'00"	7'00"
Final Finishing Commencing Time if light cured (PINK Command set)	4'00"	5'00"

Test conditions : Temperature (23 +/-1°C), Relative humidity (50 +/-5%)
ISO 9917-1 : 2003 (E) (Dental water-based cements) (Restorative cements)

A. FISSURE PROTECTION, ROOT SURFACE PROTECTION, HYPERSENSITIVITY PREVENTION AND CONTROL

1. Preparation of the tooth surfaces (e.g. fissure protection or root surface protection)

a) After cleaning the tooth surfaces (prophylaxis with pumice and water) in usual manner, rinse thoroughly with water.
Note:
If extra retention is desired for root surface protection, application of GC CAVITY CONDITIONER (10 seconds) or GC DENTIN CONDITIONER (20 seconds) is recommended.

b) Dry by blotting with a cotton pellet or gently blowing with an air syringe (Fig.A-1). DO NOT DESICCATE. Best results are obtained when prepared surfaces appear moist (glistening).

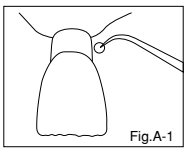
Fig.A-1

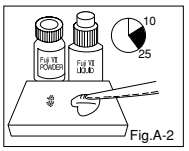

Fig.A-2

2. Powder and Liquid Dispensing

a) The standard powder to liquid ratio is 1.8 g / 1.0 g (1 level pink scoop of powder to 1 drop of liquid).
To extend working time, the powder to liquid ratio is 1.1 g / 1.0g (1 level yellow scoop of powder to 1 drop of liquid).

b) For accurate dispensing of powder, lightly tap the bottle against the hand. Do not shake or invert.

c) Make sure the liquid nozzle is clean and dry before dispensing liquid. Turn the liquid bottle horizontal and hold in this position briefly to remove air bubbles. Then invert and hold the liquid bottle vertically and squeeze gently to dispense a bubble free drop of liquid. After dispensing, wipe any residual liquid off the nozzle.

d) Close bottle caps tightly immediately after use.

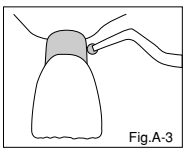
Fig.A-3

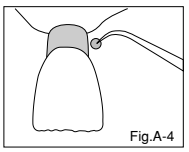
Fig.A-4

3. Mixing

Dispense the required amounts of powder and liquid onto the pad. Using the plastic spatula, divide the powder into 2 equal parts. Spread the liquid over the pad (Fig.A-2) and mix the first portion with all the liquid for 10 seconds. Incorporate the remaining portion and mix the whole amount thoroughly for 10-15 seconds (total time within 25 seconds). Working time is 1 minutes 40 seconds (standard mix) or 2 minutes 10 seconds (EWT mix) from the start of mixing at 23°C (73.4°F). Higher temperatures will shorten working time.

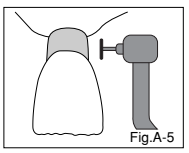
Fig.A-5

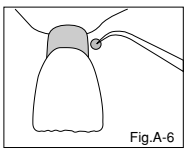
Fig.A-6

4. Placement

a) Take the mixed material using a suitable placement instrument or brush and apply to the tooth surface (Fig.A-3). Then use a brush to spread a thin film of GC Fuji VII directly over the root surface or hypersensitive area or over the occlusal surface and into the pits and fissures.
Note:
If a faster set is desired, use a visible light curing device* for 20 – 40 seconds. Place light source as closely as possible to the cement surface. This function applies only to the PINK Shade. After light cure, it is advisable to protect the surface with a varnish.

b) After placement, when the material starts to lose the glossy appearance (or after curing with the light curing device), apply GC Cocoa Butter or GC Fuji VARNISH (blow dry) or GC Fuji COAT LC (light cure) to the sealed area and the margins using a cotton pellet or sponge (Fig.A-4).

c) Finishing under air water spray can be performed 6 minutes from start of mix or 4 minutes if light cured (standard mix). For EWT mix, finishing can be started 7 minutes after start of mix or 5 minutes if light cured.
Use a superfine diamond bur or a finishing silicone point (Fig.A-5).

d) Apply GC Cocoa Butter or GC Fuji VARNISH or GC Fuji COAT LC to the area again (Fig.A-6).
Note:
For fissure protection, Steps c) and d) are not necessary.

B. INTERMEDIATE ENDODONTIC SEALING

1. Cleaning the pulp chamber

a) After appropriate pulp treatment, clean and gently dry the pulp chamber with an air syringe (Fig.B-1).

b) Fill the chamber with a cotton pellet (Fig.B-2).

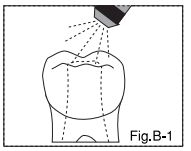
Fig.B-1

2. Powder / Liquid Dispensing and Mixing

See directions in A. Section 2 and 3.

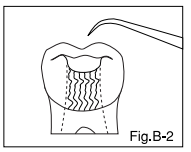
Fig.B-2

3. Placement

a) Using a suitable instrument, place the mixed material over the cotton pellet (Fig.B-3).
Note:
If a faster set is desired, use a visible light curing device* for 20-40 seconds. Place light source as closely as possible to the cement surface. This function applies only to the PINK Shade. After light cure, it is advisable to protect the surface with a varnish.

b) Moisture protection and Finishing
See directions in A, Section 4. b, c and d.

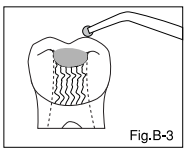
Fig.B-3

C. INTERMEDIATE RESTORATIONS CARIES STABILIZATION

1. Cleaning the carious surface

a) Any loose debris should be carefully removed with hand instruments.

b) For better retention, it is recommended to gently clean the carious surface with GC CAVITY CONDITIONER for 10 seconds or GC DENTIN CONDITIONER for 20 seconds.

c) Rinse thoroughly with water. Dry by blotting with a cotton pellet or gently blowing with an air syringe (Fig. C-1). DO NOT DESICCATE.
Best results are obtained when prepared surfaces appear moist (glistening).

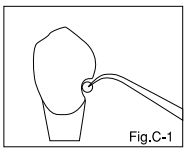
Fig.C-1

2. Powder/liquid Dispensing and Mixing

See directions in A, Section 2 and 3 above.

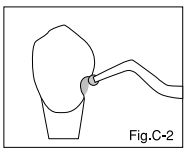
Fig.C-2

3. Placement

a) Take the mixed material using a suitable placement instrument or brush and apply to the prepared lesion or tooth surface without incorporating air bubbles (Fig.C-2). Form the contour and if possible cover with a matrix.
Note:
If a faster set is desired, use a visible light curing device* for 20-40 seconds. Place light source as closely as possible to the cement surface. This function applies only to the PINK Shade. After light cure, it is advisable to protect the surface with a varnish.

b) See directions in A, Section 4.b, c and d.

* NOTE: The initial set of GC Fuji VII PINK can be accelerated using the energy from a dental halogen light curing device.

SHADE

Pink, White

STORAGE

Store at temperature of 4-25°C (39.2-77.0°F).
(Shelf life: 3 years from date of manufacture).

PACKAGE

1. 1-1 package: 15g powder, 10g (8.0 mL) liquid, Dentin Conditioner 6g (5.7mL), powder scoop, mixing pad No.22, plastic spatula

CAUTION

1. In case of contact with oral tissue or skin, remove immediately with a sponge or cotton soaked in alcohol. Flush with water.
2. In case of contact with eyes, flush immediately with water and seek medical attention.
3. DO NOT mix powder or liquid with any other glass ionomer components.

US Patent : 6264472 6756421
UK Patent : 2353042 2357773
FRANCE Patent : 2797396 2799954
AUSTRALIA Patent : 768901 775349

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