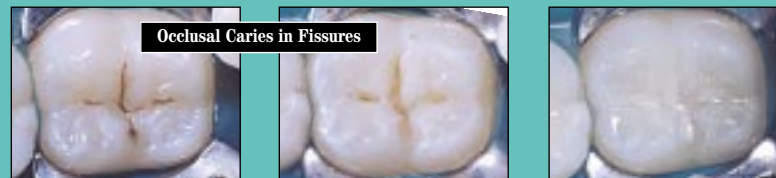


# Minimal Intervention Restoration Cases



**Class I**  
Minimal occlusal cavity restored with Fuji IX GP provides an excellent seal, fluoride protection and results in an acid resistant zone at the dentin-tooth interface.



**Occlusal Caries in Fissures**  
Fissures were widened to remove decay; then restored with Fuji IX GP FAST. Cavity preparation was completed while removing the least amount of healthy tooth structure as possible. Light-cured FujiCOAT LC was applied to finished restoration.



**Class II**  
Tooth preparation of the caries lesions takes advantage of both the strength and fluoride release of Fuji IX GP FAST as well as maintain as much sound tooth structure as possible.



**Class V**  
After removing infected dentin, Fuji IX GP is used to seal the cavity, control caries and remineralize the affected dentin.



**Class I - Class II**  
Since Fuji IX GP chemically bonds to tooth structure, no retention is required and loss of good tooth structure can be minimized.



**Class I**  
These carious lesions were removed with air abrasion, then filled with Fuji IX GP FAST, finished and sealed.



**Amalgam Replacement**  
Failing amalgam was replaced with Fuji IX GP FAST, finished and sealed. Since Fuji IX GP bonds directly to tooth structure, no mechanical retention is required.

# Pediatric Restoration Cases



**Class I Pedo**  
Carious lesions in the pits and fissures are conservatively instrumented and restored. Fuji IX GP helps eliminate caries, remineralize affected dentin and seal the restoration to reduce post operative sensitivity and secondary caries.



**Occlusal Surface of Primary Tooth**  
Fuji IX GP FAST is used to restore the occlusal surfaces of primary teeth because it's not only quick, it offers fluoride release and prevents microleakage.



**1st Permanent Molar**  
Large occlusal cavity in fist permanent molar is cut and prepared. The preparation is filled and packed with Fuji IX GP or Fuji IX GP Fast. After setting, the restoration is trimmed and finished and sealed with Fuji COAT LC.



**Class I and Class II Pedo**  
Fuji IX GP used to restore conservatively prepared approximal surface lesions of primary teeth.



**Class II Pedo**  
Class II Pediatric case prepped, filled with Fuji IX GP, finished and sealed with FujiCOAT LC.

## SIMPLE TECHNIQUE FOR PEDIATRIC RESTORATIONS



1. Prepare the cavity.



2. Apply GC Cavity Conditioner for 10 seconds; rinse and dry. Do not desiccate.



3. Apply Fuji IX GP FAST.



4. After packing and contouring, seal the surface with FujiCOAT LC.



5. Light-cure FujiCOAT LC for 10 seconds.



6. Completed pedo restoration.

# GC Fuji IX™ GP FAST

Packable Posterior Glass Ionomer Restorative



## Product Codes

**439253 Fuji IX GP FAST Capsule Assortment Starter Package**  
Contains: 50 Capsule Refill Package - 10 of each shade A2, A3, A3.5, B2 and B3, Capsule Applier, Cavity Conditioner (5.7ml) and Fuji COAT LC (5.2ml).

**Fuji IX GP FAST Capsule Refill Packages**  
Contains: 50 Capsules (0.35g powder / 0.10g liquid)

000212	Shade A2	000213	Shade A3	000214	Shade A3.5
000215	Shade B2	000216	Shade B3	000211	Assorted

(Assorted Shades -10 each of A2, A3, A3.5, B2 and B3)

**439153 Fuji IX GP REGULAR SET Capsule Assortment Starter Package**  
Contains: 50 Capsules - 10 of each shade A2, A3, A3.5, B2 and B3, Capsule Applier, Cavity Conditioner (5.7ml) and Fuji COAT LC (5.2ml).

**Fuji IX GP REGULAR SET Capsule Refill Packages**  
Contains: 50 Capsules (0.35g powder / 0.08ml liquid)

000166	Shade A2	000167	Shade A3
000168	Shade A3.5	000169	Shade B2
000170	Shade B3	000165	Assorted

(Assorted Shades -10 each of A2, A3, A3.5, B2 and B3)

**439901 Fuji IX GP REGULAR SET Powder-Liquid Starter Package**  
Contains: 1:1 Package, Cavity Conditioner (5.7ml), and FujiCOAT LC (5.2ml)

**000152 Fuji IX GP Powder-Liquid 1:1 Package**  
Contains: 1 Bottle Powder, Shade A2 (15g), 1 bottle Liquid (6.4ml) and Mixing Pad

**000158 Fuji IX GP REGULAR SET Powder Refill (A2), 15gm**  
**000164 Fuji IX GP REGULAR SET Liquid Refill, 6.4ml**

**000238 GC Capsule Applier II**  
**435891 GC Capsule Applier III**  
**000110 GC Cavity Conditioner, 5.7ml bottle**  
**000176 GC Fuji COAT LC, 5.2ml bottle**  
**000026 GC Fuji Varnish, 10g bottle**

<sup>1</sup> Fluoride uptake has been shown to minimize the incidence of dental caries." Council on Dental Materials, Instruments and Equipment. Restorative Materials Containing Fluoride, JADA, Vol. 116, May 1988.

<sup>2</sup> Vita is a trademark of Vita Zahnfabrik

<sup>3</sup> Rutar J, McAllan L, Tyas MJ. Clinical evaluation of a glass ionomer cement in primary molars, Pediatr Dent 2000;22(6):486-8

<sup>4</sup> ACTA Wear Rate Study, Professor Carel Davidson, Amsterdam

<sup>5</sup> ACTA Three Body Wear Study, HP Flessa, LMU-University, Munich, Germany



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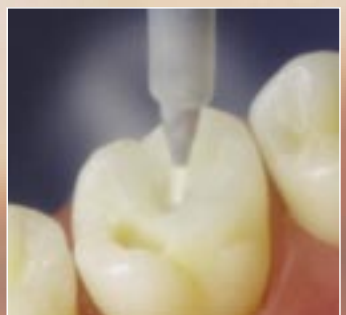
# GC Fuji IX™ GP FAST and Fuji IX™ GP

Packable Posterior Glass Ionomer Restorative



**ZOOM!**  
BETTER for the TOOTH  
BETTER for the PATIENT

MINIMAL INTERVENTION



MADE EASY

# GC Fuji IX™ GP FAST and GC Fuji IX™ GP

## General Purpose Restoration Cases

### High Strength, Wear Resistant



**Fuji IX GP FAST and Fuji IX GP REGULAR SET offer unsurpassed wear resistance and durability in a glass ionomer. The non-sticky, packable restorative mix adapts readily to internal aspects of the preparation and will not slump. Dental dam isolation is optional as Fuji IX GP's chemistry allows bonding to moist, conditioned enamel and dentin. Fuji IX GP is useful as a caries control restorative, for long-term provisionalization, minimally invasive measures and as a high strength foundation beneath coronal coverage restorations.**

Fuji IX GP FAST is the same strong, wear resistant, packable glass ionomer restorative as Fuji IX GP in an accelerated set formulation. It's twice as fast as regular set Fuji IX GP so you can finish in just three minutes after mixing.

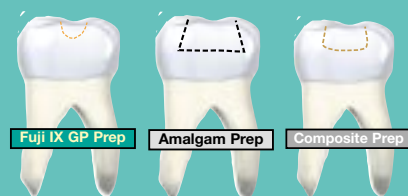
### Fast and Easy for Pediatric Cases!

Fuji IX GP FAST is the ideal final restorative for occlusal fillings in children and it allows you to take a simpler, more conservative approach to cavity preparation. Fuji IX GP FAST bonds directly to tooth structure - no need for undercuts or time-consuming bonding agents. Both the patient and doctor benefit from Fuji IX GP: Cutting a much smaller prep reduces chair time and the trauma associated with the handpiece. Less technique steps - just condition, place, pack and finish.

- **Speed**
  - shorter prep time and chair time
  - Fuji IX GP FAST can be bulk filled and finished in only 3 minutes; Fuji IX GP Regular Set in 6 min.
- **Comfort**
  - less invasive and traumatic procedure
- **Protection**
  - rechargeable fluoride release and excellent marginal seal help promote remineralization.
- **Packable, Dough-like Consistency**
  - Easy to handle and place
  - Suited for hard-to-access preps
  - Can be condensed similarly to amalgam
  - Shape and finish with metal instruments
- **Non-sticky**
  - will not pull away from preparation or stick to instruments
- **High Compressive and Flexural Strengths**
  - assure durability, longevity and integrity
- **Excellent Wear Characteristics**
  - 60% higher than conventional glass ionomers
  - wears at only a slightly higher rate than posterior composites
  - clinically proven<sup>3</sup>
- **Simple and Easy Technique**
  - Condition, place, pack and finish.

### Designed for Conservative Cavity Preparation

**Better for the Tooth:** When used with minimally invasive techniques, Fuji IX GP can maintain the integrity of the tooth by eliminating future caries, creating an acid-resistant dentin layer and maintaining a seal.

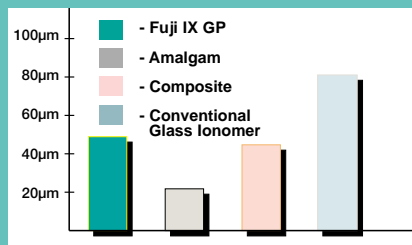


**All the Tooth Conserving Benefits of Glass Ionomer Technology:** Fuji IX GP Fast and Fuji IX GP Conventional allow you to practice conservative dentistry and provide more flexibility in your treatment choices.

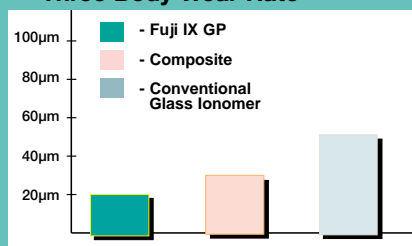
- **Chemically Bonds to Dentin and Enamel**
  - Adhesion without mechanical retention or a bonding agent.
- **Toothlike Coefficient of Thermal Expansion**
  - Minimizes the likelihood of microleakage and decay.
- **Continual, Significant Fluoride Release**
  - Fluoride release has been shown to remineralize tooth structure and minimize the incidence of secondary caries. And fluoride toothpastes and mouth rinses can recharge this fluoride releasing capability.<sup>1</sup>
- **Stabilizing**
  - Can be modified at any time to a more therapeutic or esthetic restoration without additional tooth loss.
- **Virtually Insoluble**
  - 0.02% water
  - 0.21-.26% lactic acid
- **Biocompatible and Radiopaque**

Fuji IX GP Restorative is also a smart option for conservative air abrasion cavity preparations. Because Fuji IX GP chemically bonds to tooth structure, the conservative air abrasion prep is all you need - there's no need to cut away sound tooth structure - simply condition, place, pack and contour.

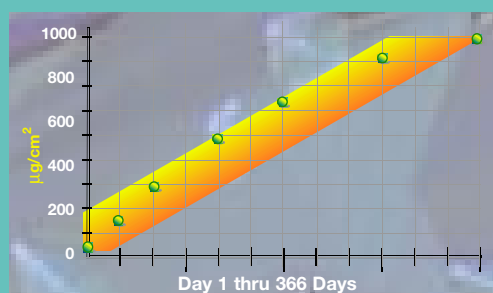
Wear Rate After 10 Weeks<sup>4</sup>



Three Body Wear Rate<sup>5</sup>

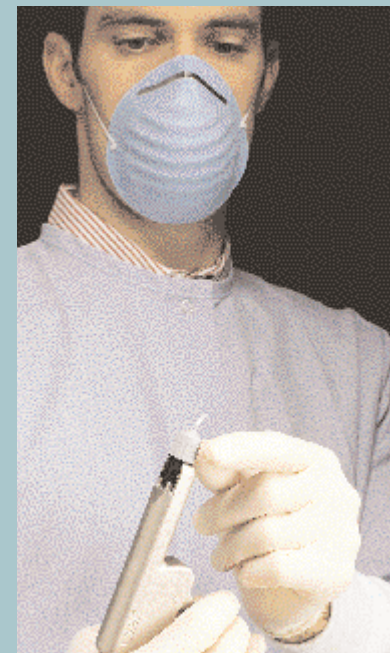


Cumulative Fluoride Release



Continual, rechargeable fluoride release strengthens tooth structure.

### Packable Fuji IX GP Makes General Purpose Restorations a Snap!



Packable Fuji IX GP, the easy-to-use, handle and place fluoride releasing alternative to expensive compomers and composites and in many cases, amalgam. It cures extremely hard and is very wear resistant.

It's the perfect product for:

1. GERIATRIC AND PEDIATRIC RESTORATIONS
2. FINAL RESTORATIONS (AVOID HI-STRESS AREAS)
3. EMERGENCY RESTORATIVE (I.R.M.)
4. CARIES CONTROL RESTORATIONS
5. CORE BUILD-UP AND DENTIN SUBSTITUTE IN SANDWICH TECHNIQUE
6. LONG TERM TEMPORARY RESTORATION

Fuji IX GP FAST is available in premeasured capsules (5 Vita<sup>2</sup> shades). Fuji IX GP REGULAR SET is available in hand-mix powder-liquid (shade A2) or premeasured capsules (5 Vita shades).

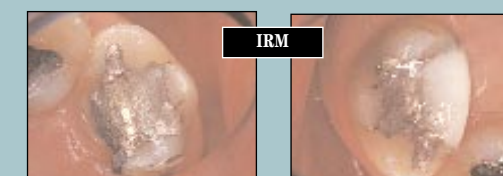
#### Fuji IX GP FAST & Fuji IX GP Physical Properties

Powder-Liquid Ratio:	0.36g:0.10g for FAST; 0.35g:0.10g for REGULAR SET	
Working Time:	1 minute 15 seconds for FAST; 2 minutes for REGULAR SET	
Setting Time for FAST:	2 minutes (net), 2-1/4 minutes (from capsule activation)	
Setting Time for REGULAR:	2 minutes-20 seconds (net), 4-1/2 minutes (from start of mix)	
Ready to Finish:	Approximately 3 minutes for FAST; 6 minutes for REGULAR SET	
Consistency:	27 mm	
Compressive Strength:	At 1 day 268 MPa (10) FAST 220 MPa (9) REGULAR	At 1 week 274 MPa (11) FAST 230 MPa (14)
Diametral Tensile Strength:	23 MPa (2) FAST; 22 MPa (2) REGULAR	
Adhesive Strength at 24 hr:	Bovine Enamel 6.9 MPa (1.6) FAST 5.9 MPa (1.7) REGULAR	Bovine Dentin 5.8 MPa (2.2) FAST 4.4 MPa (1.6) REGULAR
Surface Hardness:	At 1 hour 51 Hv 45 Hv	At 1 day 74.0 Hv 74.0 Hv
Modulus of Elasticity:	At 1 week 5.7 MPa x 10 <sup>8</sup> (0.2)	
Solubility:	Water 0.02%	Lactic Acid 0.21-0.26%

**Try Fuji IX GP FAST or Fuji IX GP REGULAR SET today. It's the simplest and most versatile general purpose posterior restorative you'll ever use and it's backed by a money-back guarantee. Ask your dental dealer today or call GC America at 800-323-7063.**



Class II  
Fuji IX GP is used as an intermediate interproximal restoration to replace discolored composite.



IRM  
Intermediate Restorative (IRM) for emergency repairs or use to prevent further damage and tooth loss during long-term restorative therapy.



Long Term Temp  
Long-Term Temporary for final restorations that can be refinished or added onto in the future without further tooth cutting or loss.



Class V  
Final restoration for any non-stress bearing area - Class III, Class V or cervical erosion.



Core Build-Up.

#### SIMPLE TECHNIQUE FOR GENERAL PURPOSE RESTORATIONS



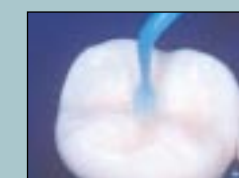
1. Prepare the cavity.



2. Apply GC Cavity Conditioner then rinse and dry. Do not desiccate.



3. Place mixed Fuji IX GP. Pack, condense and carve to shape.



4. Seal the surface with light-cured Fuji Coat™ LC or self-cured Fuji Varnish™.



5. Final finish under water spray; then apply final coat of Fuji Coat™ LC or Fuji Varnish.