Easy Fuji II LC Restoration Technique

Just prepare the cavity and apply GC Cavity Conditioner to remove the smear layer and seal the dentin tubules. Place the mixed Fuji II LC into the cavity. Light cure, trim and finish.

Simple Sandwich Technique

*Use Fuji II LC as a base or liner to prevent marginal leakage, provide superior fluoride release and eliminate sensitivity.*

Prepare cavity, apply GC Cavity Conditioner for 10 seconds and rinse. Place mixed Fuji II LC as a base or liner, then light-cure. Acid etch as needed, apply enamel bonding agent and finish the restoration with a tooth colored restorative.
436400 Fuji II LC 25-Capsule Assorted Package - Light Shades
Contains: 5 Capsules (0.33g Powder / 0.085ml Liquid) each: A1, A2, A3, B2 and C2

436700 Fuji II LC 25-Capsule Assorted Package - Dark Shades
Contains: 5 Capsules (0.336g Powder / 0.085ml Liquid) each: A3.5, A4, B3, B4 and C4

Fuji II LC 50-Capsule Packages
Contains: 50 Capsules (0.33g Powder / 0.085ml Liquid) SAME Shade

000138 Shade A1 000142 Shade A4 000146 Shade C2
000139 Shade A2 000143 Shade B2 000147 Shade C4
000140 Shade A3 000144 Shade B3
000141 Shade A3.5 000145 Shade B4

435881 Capsule Applier

Fuji II LC 1:1 Powder-Liquid Packages
Contains: One 15g bottle powder, one 6.8ml liquid, mixing pad and measuring scoop

000184 Shade A1 000188 Shade A4 000203 Shade C2
000185 Shade A2 000189 Shade B2 000204 Shade C4
000186 Shade A3 000190 Shade B3
000187 Shade A3.5 000191 Shade B4

Fuji II LC Powder Refill
Contains: One 15g bottle powder

000195 Shade A1 000199 Shade A4 000203 Shade C2
000196 Shade A2 000200 Shade B2 000204 Shade C4
000197 Shade A3 000201 Shade B3
000198 Shade A3.5 000202 Shade B4

000206 Fuji II LC Liquid Refill - Contains: One 6.8ml bottle liquid

000110 GC Cavity Conditioner - Contains: One 5.7ml bottle of conditioner

434291 Glass Ionomer Spatula

000181 Fuji II LC CORE Material (Blue Shade)
Contains: One 35g powder, two 5ml bottles of liquid, powder scoop and mixing pad

000182 Fuji II LC CORE Powder Refill Bottle - Contains: One 35g bottle powder
000183 Fuji II LC CORE Liquid Refill Bottle - Contains: One 5ml bottle liquid

**PHYSICAL PROPERTIES**

- Powder to liquid ratio 3.2g/1.0g
- Working time: 3 min. 45 sec.
- Depth of cure (A2 shade) 3.7mm
- Compressive strength (1 day) 242 MPa (1.8)
- Tensile bonding strength (1 day) 11.3 MPa (1.8)
- Solubility (%) 0.07 - 0.001 mol/lactic acid
- Surface roughness (Rz) 1.3 um
- Fluoride release ug/cm² 1st day 48.9
- one week, cumulative 9.8, 119.7
- 6 months, cumulative 1.6, 543.0
- 1 year, cumulative 1.5, 806.6
- Rechargeable fluoride Yes
- Radiopacity Yes
- Biocompatible Yes

5 Vitremer, Herculite XR and Dyract are not trademarks of GC America Inc. 6 Vita is a trademark of Vita Zahnfabrik.
9 Park, SH, The anticariogenic effect of fluoride in primer, bonding agent and composite resin in the cavosurface enamel area, Oper Dent 1997; 22(3):115-20
10 Test mold 3.0 x 7.5 mm
11 GC Corp. R&D
12 From published data
Class III
Class V
Root Surface Caries
Cervical Erosion
Abfraction Lesions

And Makes Any Restoration Last Longer
when used as a Base or Liner!
Fuji II LC Light-Cured
Resin Reinforced
Glass Ionomer Restorative

Clinically proven Fuji II LC restorative brings you all the advantages of a traditional glass ionomer along with important advances like triple curing, immediate finishing, outstanding esthetics, as well as a simple technique and time savings.

Fuji II LC is perfect for Class III & Class V restorations, particularly cervical erosion / abfractions and root surface restorations, but the number one usage of Fuji II LC is as a base or liner in a sandwich technique.

Fuji II LC Makes Any Restoration Last Longer
by preventing marginal leakage, providing superior fluoride release and eliminating sensitivity.

Prevents Margin Leakage
Fuji II LC is a perfect sealant. It clinically bonds extremely well to dentin and enamel, has a tooth-like coefficient of thermal expansion and is clinically insoluble. Fuji II LC minimizes the likelihood of microleakage and washouts so that the margins stay intact, maintaining the bond and sealing the restoration.

Provides Superior Fluoride Protection
Unlike products with fluoride additives, Fuji II LC offers clinically significant fluoride protection. Its rechargeable fluoride release and excellent marginal seal help provide remineralization. Research has shown that high fluoride release into the tooth helps prevent recurrent decay. For these reasons Fuji II LC has long been used for pediatric and geriatric restorations and help protect patients with rampant caries and multi-level treatment needs.

10 times more sustained fluoride release than Dyract.
Choose Fuji II LC Capsules for the ultimate in convenience and precise delivery. They’re easy to use with no hand mixing and never any mess. Just triturate 10 seconds for the ideal viscosity, place into the capsule applier and dispense the material.

Fuji II LC is also available in a powder-liquid form which represents an outstanding value.

Either way, you get the same great restorative material that light cures on command. Finishing and polishing can be completed immediately after light curing.
Clinically proven to eliminate existing pre-operative sensitivity and post-operative sensitivity, Fuji II LC not only expands and contracts similar to tooth structure, it actually becomes a pulp protective thermal insulator.

Eliminates Sensitivity

With 10 Vita® shades, color matching is quick and easy. Excellent translucency allows Fuji II LC to blend with patients' natural tooth color for life-like results every time. Once polished, the hard smooth surface holds discoloration and stain to a minimum for lasting beauty.

Fuji II LC CORE Material

is a blue shade powder-liquid formulation for light-cured core build-ups that are easily distinguishable from tooth structure. Bonds to metal pins and posts for increased retention.

Surface Roughness

Fuji II LC can be polished to a smooth surface finish. Chart at the right compares the final surface roughness (RZ Value) of Fuji II LC vs. a composite and a competitive glass ionomer.

Outstanding Physical Properties & Handling

Featuring an outstanding chemical bond to tooth structure that's micro-mechanically reinforced, triple-cured (20 second light-cure; glass ionomer and resin matrix self-cure) Fuji II LC's high compressive, tensile and flexural strengths assure longevity and integrity.

No dentin primer and no bonding agent. No drying or waiting. And there's no need for undercuts or mechanical retention.

Fuji II LC's consistency makes it easy to place and contour (with less “pullback” than composite). And, like all glass ionomers, it works perfectly in a moist field.

Proven Clinical Performance

100% Retention after 5 Years

More studies have been completed on Fuji II LC than on almost any other tooth-colored restorative. U.S. Patent #5,063,257.

GC Cavity Conditioner

10 second application of GC Cavity Conditioner cleans the prepared tooth surface to promote a better bond. Its 20% polyacrylic acid component effectively removes the smear layer and debris while the 3% aluminum chloride hexahydrate component seals the dentin tubules to minimize the chance of pulpal sensitivity.