THE GC CEMENT SOLUTION

G-CEM LinkAce™
SELF-ADHESIVE RESIN CEMENT

GC FujiCEM™ 2
RESIN MODIFIED GLASS Ionomer CEMENT

TOUCH of GENIUS™
“With G-CEM LinkAce™, I am more confident that my restorations will stay in place and that a complete chemical curing of the resin will occur underneath opaque ceramics that do not transmit light well. The physical properties of a material are dependent on a complete cure and GC has engineered this cement to predictably work in the absence of light.”
- Dr. Parag Kachalia

“Today, when it comes to choosing a cement, one size does not fit all. I have many luting cements on my shelf, however in the posterior when margins are sub-gingival, moisture is high and access is more of a challenge I rely on GC FujiCEM™ 2 to deliver not only excellent bond strengths but peace of mind that my patients will be able to depend on their restorations for years to come.”
- Dr. Sam Simos
G-CEM LinkAce™ and GC FujiCEM™ 2: A Great Combination for any Office!

**G-CEM LinkAce™:**
- Unmatched clean up
- Shade matching options for esthetic restorations
- Universal resin cement
- Ideally suited for glass or ceramic crown and bridge, inlays and onlays

**GC FujiCEM™ 2:**
- Our #1 cement: proven success, proven reliability
- Exceptional marginal seal
- Long term fluoride release
- Perfect for metal, PFM, zirconia and reinforced ceramic crown and bridge restorations

### Key: Paste Pak Syringe

<table>
<thead>
<tr>
<th>RESTORATION TYPE</th>
<th>GC FujiCEM™ 2 Resin Modified Glass Ionomer Cement</th>
<th>G-CEM LinkAce™ Self-Adhesive Resin Cement</th>
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<tbody>
<tr>
<td>PFM &amp; Metal Crowns, Bridges &amp; Posts</td>
<td><img src="image" alt="Paste Pak" /></td>
<td><img src="image" alt="Syringe" /></td>
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<tr>
<td>Metal Alloy, Lithium Disilicate and Zirconia</td>
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<tr>
<td>Metal, Ceramic and Fiber Posts</td>
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<tr>
<td>Moisture Tolerant</td>
<td><img src="image" alt="Paste Pak" /></td>
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Image courtesy of Dr. Abdi Sameni, Los Angeles, CA.
G-CEM LinkAce™, the next generation self-adhesive resin cement from GC, builds on our expertise with new technology including an innovative initiator system for fast and safe polymerization. The result is a material that offers exceptional physical properties and bond strength while keeping the same ease-of-use and lack of post-operative sensitivity. It offers a higher bond strength in 20 minutes compared all other cements tested in 24 hours. This eliminates any non-compliant patient issues and allows easy removal of excess cement.

- Optimal Self-cure Mode: Innovative initiator system (chemical)
- High Bond Durability to Pretreated Zirconia in ONE Step: Proprietary phosphate monomers
- Exceptional Color Stability: Very low water sorption and HEMA-free
- Unsurpassed Wear Resistance: Small homogeneously distributed particles
- Easy Excess Cement Removal: Only 1-2 second tack cure

Moisture Tolerant
Clean, rinse and thoroughly dry the prepared tooth.

Ideal Consistency
Remove excess cement while maintaining moderate pressure.

Easy Clean-Up
G-CEM LinkAce™ offers easy clean-up.

Long-Lasting Restoration
G-CEM LinkAce™ shades provide great esthetic results.

Images courtesy of Dr. Abdi Sameni, Los Angeles, CA.
A self-adhesive resin cement that offers a higher bond strength in 20 minutes compared all other cements tested in 24 hours, this eliminates any non-compliant patient issues and allows easy removal of excess cement.

**SMALL HOMOGENEously DISTRIBUTED PARTICLES LEAD TO 5µm FILm THICKNESS**

**THE COMPLETE SOLUTION**

**IMPROVED SELF CURING**

**FACT:** In many clinical cases, light simply cannot be adequately transmitted through indirect restorations, compromising light-cured polymerization and leading to poor bonding.

**SOLUTION:** G-CEM LinkAce™ provides for exceptionally reliable self-curing under all materials, thanks to its unique initiator system. This results in a strong, durable bond.

**A STRONG BOND, EVEN TO ZIRCONIA**

**FACT:** Despite its unquestionable advantages, bonding to Zirconia remains a difficult challenge, leading to low bond strengths, especially over time.

**SOLUTION:** G-CEM LinkAce™ contains unique phosphate monomers that chemically bond to Zirconia, for a strong and stable bond.

G-CEM LinkAce has high bond strength to ceramic that even increases over time.

Adhesion to Zirconia is a challenging achievement. Specific ester phosphate monomers in G-CEM LinkAce assure a high and durable bond strength to Zirconia.

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**TENSILE BOND STRENGTH TO DENTIN IN SELF-CURE MODE**

**3-BODY WEAR**

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<tr>
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**20 MINUTES**

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**1 DAY**

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**DURABILITY OF BONDING TO ZIRCONIA**

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Source: GCC R&D Internal Data

† Not a registered trademark of GC America Inc.
**GC FujiCEM™ 2**

**RESIN MODIFIED GLASS IONOMER CEMENT**

**FLEX FUSE TECHNOLOGY**

This creates a strong bond between the glass particles and resin matrix.

**HOW WE STACK UP TO THE COMPETITION**

**BOND STRENGTH**

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<th>Enamel</th>
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<td>Rely X Luting Plus AM†</td>
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**COMpressive STRENGTH**

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<tr>
<td>Rely X Luting Plus†</td>
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**FILM THICKNESS**

<table>
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</tr>
<tr>
<td>Rely X Luting Plus†</td>
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</tbody>
</table>

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**Powered by...**

**F2**

**Flex**

High-elastic crosslinking monomers

A flexible long-chain monomer gives GC FujiCEM™ 2 its higher flexural strength which allows it to act like a shock absorber, better resisting to the challenges of occlusal loads.

**Fuse**

Modified filler-surface treatment

This creates a strong bond between the glass particles and resin matrix.
GC FujiCEM™ 2 powered by F², Flex Fuse Technology, incorporates high-elastic crosslinking monomers with a modified filler-surface treatment to increase strength properties all around. Now bond, flexural and compressive strengths are significantly improved to not only enamel and dentin, but also some of the most popular material substrates in the dental market. 

- Strong Retention: Optimal chemical balance through Flex Fuse Technology
- Assured Sealing Ability: Hyper-mineralized zone at tooth interface
- Stress-free Seating: Moisture tolerant, unmatched film thickness with a creamy consistency
- No Post-operative Sensitivity: Biocompatible to tooth structure and surrounding soft tissue
- Sustained Fluoride Release: Adjacent to tooth surface, even after 8 days

**Moisture Tolerant**

Moisture Tolerant: GC FujiCEM™ 2 rules out the need for a rubber dam or extra care to control humidity.

**Ideal Consistency**

Ideal Consistency: The mixed paste is not runny, yet allows for a perfect flow under seating pressure.

**Easy Clean-Up**

Easy Clean-Up: One minute after luting, the cement reaches a rubbery consistency for non-messy removal of excess material.

**Long-Lasting Restoration**

Long-Lasting Restoration: No post-operative sensitivity; durable adhesion and sustained fluoride release against secondary caries.

Image courtesy of Dr. F. Raux, France.

**Lowest Film Thickness**

Lowest Film Thickness: High film thickness of a material leads to inaccurate crown seating.

SOLUTION: GC FujiCEM™ 2 offers some of the lowest film thickness for Resin Modified Glass Ionomer Cements, so excess cement can be expressed more easily.

**INNOVATIVE DELIVERY**

FACT: Traditional handmixing may not allow amount of material to be dispensed evenly, or allow proper mixing of the material.

SOLUTION: GC FujiCEM™ 2 now features the SLIDE & LOCK system, an improved cartridge design for an easier plug-in and plug-out of mixing tips. Also available is GC FujiCEM™ 2 Intraoral Mixing Tip SL, offering easier injection into the root canal for post cementation.

**High Fluoride Release**

High Fluoride Release: 304 µm/cm² after 8 days
GC FujiCEM™ 2 Automix Package
Contains: Two (7.2 mL; 13.3 g) cartridges and 42 mixing tips.

004647 GC FujiCEM™ 2 Dispenser
Contains: One dispenser.

441001 (US) / 451001 (Canada)
GC FujiCEM™ 2 Starter Kit
Contains: One (7.2 mL; 13.3 g) cartridge, 20 mixing tips and 1 GC FujiCEM™ 2 Dispenser.

441000 (US) / 451000 (Canada)
GC FujiCEM™ 2 Automix Package
Contains: Two (7.2 mL; 13.3 g) cartridges and 42 mixing tips.

004647 GC FujiCEM™ 2 Dispenser
Contains: One dispenser.

G-Cem LinkAce™ Syringe Packages
Contains: Two 4.6 g (2.7 mL) syringes; 15 regular GC Automix Tips and 5 GC Automix Tips for Endo.
004857 Shade A2
004859 Shade AO3
004860 Shade BO1
004858 Translucent

002902 GC Automix Tips
Contains: 20 tips.

002903 GC Automix Tips for Endo
Contains: 10 tips and 10 extension tips.

441002 (US) / 451002 (Canada) GC FujiCEM™ 2 Refill
Contains: Two (7.2 mL; 13.3 g) cartridges and a #22 Mixing Pad.

431578 GC FujiCEM™ 2 Mixing Tips SL
Contains: 20 mixing tips.

431577 GC FujiCEM™ 2 Mixing Tips Intraoral Tip SL
Contains: 10 mixing tips.