

A quartet of aces:

# Innovation, Simplicity, Versatility and Reliability



New  
G-CEM LinkAce™  
from GC

...with new innovative  
technology bringing  
reliable solutions for  
a broad range of indications.

**GC**

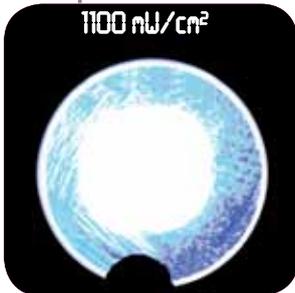


Since its introduction, G-CEM Automix has demonstrated the highest qualities in a self-adhesive resin cement with excellent clinical results.

**G-CEM LinkAce**, the next generation self-adhesive resin cement from GC, builds on this expertise with new high 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 seen with G-CEM Automix.

Dual-cure cement with  
a highly efficient self-cure mode...  
... because the transmission of light  
has never been a certainty.

Transparent disc



Metal



1-mm thick metal disc.

Zirconia



0.4-mm thick Zirconia disc  
with ceramic layering up to  
1.6 mm.

Ceramic



0.5-mm thick ceramic disc  
(e.Max\*) with ceramic  
layering up to 1.5 mm.

This experiment was designed to simulate a clinical situation. The light intensity of a LED curing unit was measured following its transmission through different restorative materials. Light intensity reduces drastically in each case, showing the importance of an efficient self-cure polymerization.

# G-CEM LinkAce™



## IMPROVED SELF-CURING

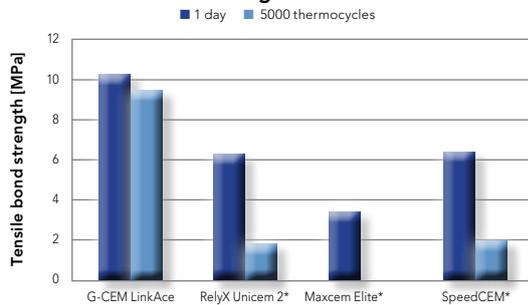


**Fact:** In many clinical cases, light simply cannot be adequately transmitted through indirect restorations, compromising light-cured polymerisation and leading to poor bonding.

**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.



**Bond Strength to Dentine**



Source: Internal Data, GC Corporation  
Tensile bond strength to dentine.  
All materials used according to the manufacturers' instructions in self-cure mode.  
Artificial ageing: thermocycles (5-55°C).



## A STRONG BOND EVEN to ZIRCONIA

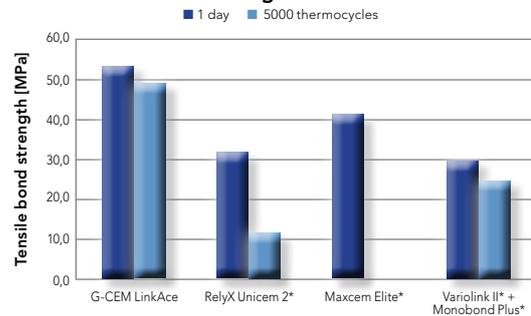


**Fact:** Despite its unquestionable advantages, bonding to Zirconia remains a difficult challenge, leading to low bond strengths and especially over time.

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



**Bond Strength to Zirconia**



Source: Internal Data, GC Corporation  
Tensile bond strength to zirconia.  
All materials used according to the manufacturers' instructions in self-cure mode.  
Artificial ageing: thermocycles (5-55°C).



# — a quartet of aces

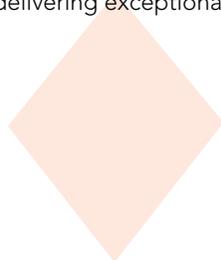


## STRENGTH and AESTHETICS



**Fact:** Cementation of all-ceramic crowns requires a material with extra bonding efficacy and high colour stability for a superior aesthetic result.

**Solution:** G-CEM LinkAce's high flexural and bond strengths prevent loss of retention even when a classical preparation is not possible. Furthermore, G-CEM LinkAce is HEMA-free and shows very low water uptake, delivering exceptional colour stability.



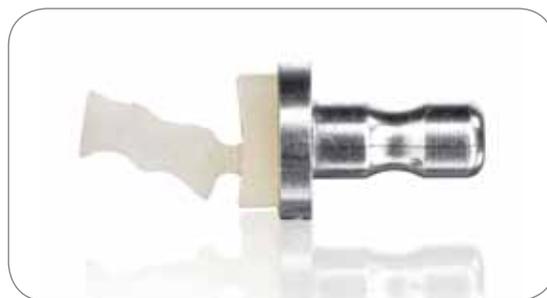
Images by Dr. Emmanuel D'Incau, France



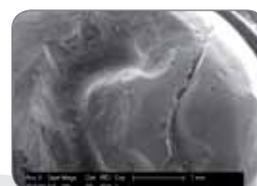
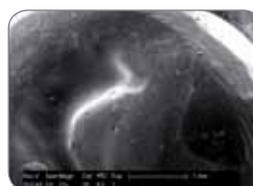
Images by Dr. Frédéric Raux, France



## UNSURPASSED WEAR RESISTANCE

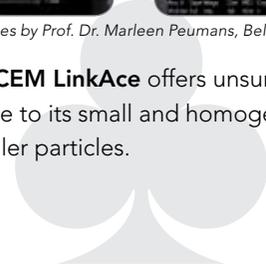


**Fact:** Exposed cement at margins wears over time and can lead to chipping of ceramic restorations.

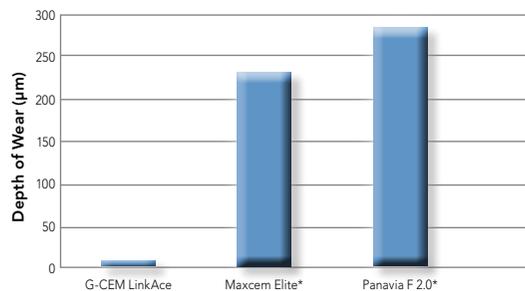


Images by Prof. Dr. Marleen Peumans, Belgium

**Solution:** G-CEM LinkAce offers unsurpassed wear resistance due to its small and homogeneously distributed filler particles.



### Depth of wear



Source: Internal Data, GC Corporation  
Three-body wear resistance. All materials used according to the manufacturers' instructions in light-cure mode.



\* Not a registered trademark of GC.

No matter what your restorative option is,  
you will always find a **good reason**  
to choose **G-CEM LinkAce™**.

Cementation of

- All ceramic, resin and metal-based inlays, onlays, crowns and bridges.
- Metal, ceramic, fiber posts, and cast post and cores

**Guaranteed stability down to the last drop**



No refrigeration needed

**No need for etching or bonding steps**



Clean, rinse and dry thoroughly the prepared tooth.

**One-step automix dispensing**



Prepare the restoration accordingly and extrude the material directly into it.

**Extremely thin film thickness (3µm) for a perfect seat**



Seat the restoration and maintain moderate pressure.

**Ideal consistency for easy excess removal**



Tack cure each surface for 1 sec. and remove excess cement.

**Fluoride release and aesthetic results**



Polish the margins if necessary.



**Short-term temporary cementation**



Freegenol

**Long-term temporary cementation**



GC Fuji TEMP LT

**Permanent cementation**



GC Fuji I



GC Fuji PLUS



GC FujiCEM 2



G-CEM CAPSULE



**Packages**

| G-CEM LinkAce (4,6 g - 2.7 ml) per syringe |   |
|--|---|
| 004857                                     | A2, 2 syringes, 15 Automix Tips Regular, 5 Automix Tips for Endo          |
| 004858                                     | Translucent, 2 syringes, 15 Automix Tips Regular, 5 Automix Tips for Endo |
| 004859                                     | AO3, 2 syringes, 15 Automix Tips Regular, 5 Automix Tips for Endo         |
| 004860                                     | BO1, 2 syringes, 15 Automix Tips Regular, 5 Automix Tips for Endo         |
| G-CEM LinkAce Accessories                  |   |
| 900668                                     | GC Automix Tip Regular, 10 pcs  |
| 900495                                     | GC Automix Tip for Endo, 10 pcs   |

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