

Mix Things Up

Mixing has historically been the downside of liquid-powder RRGi cements, requiring additional appliances and time-consuming trituration. Imagine being able to effectively mix and deliver a superior liquid-powder formula in seconds and with no mess.

UltraCem cement is the world's first liquid-powder resin-reinforced glass ionomer cement that can be mixed and delivered through a syringe! UltraCem cement offers the best of both worlds: efficient delivery and unsurpassed performance. Its unique SpeedMix™ syringe ensures the ultimate luting convenience.

UltraCem cement is also available in a traditional hand-mix bottle kit, an economical choice that gives clinicians control over the viscosity and amount of material used.

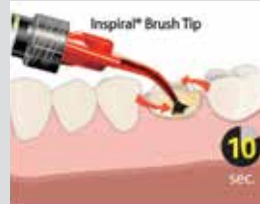


Use **UltraCem cement** for luting indirect restorations—including inlays, onlays, crowns, and bridges made of metal, porcelain fused to metal, zirconia, and resin—to natural teeth. It may also be used for cementation of orthodontic bands to enamel.

Technical Data¹

Compressive strength	139.3 MPa
Knoop hardness	17.77 HK
Water sorption	244.3 µg/mm ³
Shear to cut enamel	12.60 MPa
Shear to dentin	10.89 MPa
Film thickness	24.0 µm
Working time	1–3 min.
Setting time	5 min. at 37° C

Instructions for Zirconia Restorations



Apply Peak™ Universal Bond adhesive to the preparation using a scrubbing motion for 10 seconds. (No etchant required.) Aggressively air thin until surface appears dull, and light cure for 10 seconds with

a VALO™ curing light on Standard Mode. For best results, sandblast the inside of the prosthesis, clean with an air/water spray, and dry.

- Never use phosphoric acid to clean zirconia, as it will significantly reduce bond strengths
- Do not use a zirconia primer with UltraCem cement, as it will significantly reduce bond strengths

Comparative Testing¹

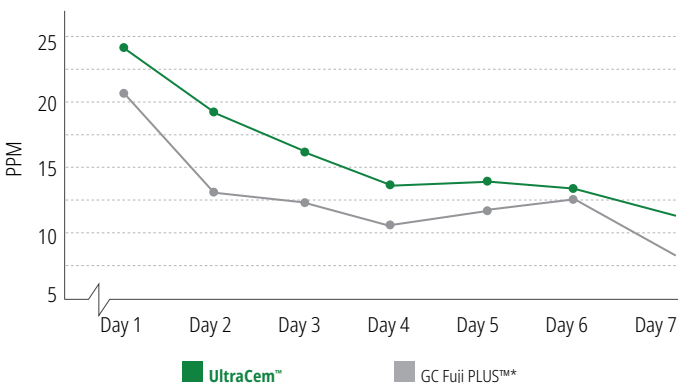
	METAL SHEAR BUTTON	CROWN PULL	FILM THICKNESS
UltraCem™	10.89 MPa	5.22 MPa	24.0 µm
GC Fuji PLUS™*	4.76 MPa	3.91 MPa	17.6 µm
3M RelyX™* Luting	5.12 MPa	4.59 MPa	36.9 µm
3M Ketac-Cem™*	3.65 MPa	2.27 MPa	25.8 µm

* Registered Trademark of a company other than Ultradent

SpeedMix™ Syringe Delivery

- Faster than hand mixing
- No need for trituration
- No additional tips or parts are required
- Consistent mixing ratios every time

Fluoride Release – One Week



2056 - UltraCem Liquid-Powder Bottle Kit

- 1 x 15 g bottle of powder
- 1 x 8.6 ml bottle of liquid
- 1 x Mixing pad
- 1 x Measuring spoon
- 1 x Spatula

- 2058 - UltraCem SpeedMix Syringe 2pk
- 2057 - UltraCem SpeedMix Syringe 20pk
- 0.3 g syringes

¹. Data on file

