

*Alternative to Expensive Name Brands*

## ProGlass Plus Cem Resin Modified Glass Ionomer Luting Cement



### Positioning Statement

#### **No pre-treatment, no need for separate Primer!**

ProGlass Plus Cem is a self-etching Resin Modified Luting Cement that is ideal for everyday cementation use such as Porcelain fused to Metal (PFMs), zirconia, metal and pediatric crowns. The incorporation of a MDP monomer increases bonding strength to multiple surfaces without the need for a separate primer.

Option for tack light curing of excess cement for ease of removal

ProGlass Plus Cem is a paste / paste dual cure permanent cementation solution formulated to deliver excellent handling properties and easy cleanup with tack cure capabilities. It delivers outstanding bond strength to tooth structures and common substrates—significantly higher than with other RMGI products.

It consists of base and catalyst pastes packaged in an easy-to-use double dispenser syringe system, allowing accurate dispensing of material without waste, like the clicker system for 3M but without the "click".

The dual cure mechanism allows a tack cure option of 1-3 seconds, for fast and easy clean up of excess material.



Before tack cure

Easy removal  
after 1-3 sec.

*Smooth handling & easy clean up*

ProGlass Plus Cem is the perfect luting cement for retaining & sealing fixed prosthetic devices to prepared teeth.

## Features & Benefits

Feature	Benefit	Key message
Double dispenser syringe system	Paste / Paste formula accurately dispensed. Reduces chair time and provides a consistent, homogeneous mix	Excellent design, no material wasted
Tack cure option	Fast and easy clean up, takes seconds	Saves chair time
Multiple Cementation	Applications: Crowns, Onlays, Inlays, Bridges, Posts	Perfect for any metal, zirconia or e-max crown cementation
BPa Free	Based on GIC technology	Safe for use
Sustained Fluoride release	Helps to reduce secondary caries	Could prevent further enamel demineralization and hinder bacterial growth
Excellent radiopacity	Enhanced X-ray detection >300xAl	Easily identified on radiographs. Helps to diagnose secondary caries, determine the proximal contour of the restoration as well as its contacts with adjacent teeth
MDP Monomer	No primer for zirconia	Improved bonding strength

## Properties

Compressive Strength	270 MPa	
Flexural Strength	135 MPa	
Compatible with halogen light	Yes	
Compatible with Plasma ark light lamp	Yes	
Compatible with LED	Yes	
Shear bond strength	Composite -dentin	12 MPa
	Composite -enamel	19 MPa
	Glass Ceramic - lithium disilicate	6 MPa
	Ceramic	8 MPa
	Aluminim oxide	
	Metal	13 MPa
	Zirconia	9 MPa
Film Thickness	10µm	
Working Time	3 min ± 30 secs	
Setting Time	≤ 5 min	
Average inorganic filler (by weight)	65 wt%	

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### Competitive Information

Company	Brand	Info
3 M	Relyx luting plus clicker	2*11g clickers \$ 180 ( 8.2/g)
GC	FujiCem 2 Automix	1* cartridge + mixing tips \$ 165 (12.5/g)
Kerr	Nexus™ RMGI	3*dual syringes (5g) + 24 mixing tips \$ 145 (9.6/g)
Voco	Meron Plus QM	3*Automix syringe \$ 165 (6.5/g)

### Selling Tips

- ProGlass Plus Cem features **Glass Ionomer benefits with resin cement strength**
- **Cost effective solution** - No material waste as in similar products delivered in a dual syringes with mixing tips
- Dual cure system **shortens cleanup to seconds** - allows tack curing to reach gel consistency in 1-3 seconds
- No refrigeration is required

**Related products:** ProLink Universal

**Ref:** 17P3UN-C ProGlass Plus Cem, double dispenser syringe, 1 x 3gr. Universal shade  
17P9UN-C ProGlass Plus Cem, double dispenser syringe, 1 x 9gr. Universal shade

**Retail Price:** \$ 85 (9.4/g)

**Download Product Images:**

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## FAQ

### **Is ProGlass Plus Cem only self-cure?**

No, this a dual-cure material. You can let the material self-cure or tack-cure it prior to removing excess cement. Once the cement has reached its gel consistency, it can no longer be manipulated.

### **What are the ideal requirements for a luting cement?**

- Should be biocompatible and insoluble in oral fluids
- should be chemically inert with a neutral pH and bond to enamel/dentine
- should have a low film thickness enabling easy flow of the cement, an increased mixing and working time, and a decreased setting time
- should have high compressive strength, tensile strength, and modulus of elasticity
- should exhibit minimal dimensional change on setting and be a good thermal insulator
- should not alter the colour of the tooth or restoration
- should be radiopaque to enable detection of secondary caries or voids

### **Why choose ProGlass Plus Cem?**

ProGlass Plus Cem belongs to a new category of RMGICs that incorporate a resin matrix (hydrophilic monomers, such as hydroxyethylmethacrylate (HEMA) and polymerization initiators) and MDP. This is in addition to the components of conventional glass-ionomers.

ProGlass Plus Cem overcomes the disadvantages of:

- a) composite resins: e.g white spots formation, dry bonding field, and enamel destruction
- b) GIC: e.g low bond strength

This makes ProGlass Plus Cem aesthetically and mechanically a better alternative to conventional GICs in conditions where there is good retention.

### **Is ProGlass Plus Cem indicated for all types of restorations?**

No. ProGlass Plus Cem is intended as a permanent dental cement suitable for direct restorations particularly in cementation of ceramic, metal or composite inlays, onlays, crowns, bridges, posts and screws

### **How soon can I tack-cure ProGlass Plus Cem?**

You can tack-cure (1-3 seconds) immediately after placement of restoration to hasten gel state or you can also allow material to self-cure (minimum of 1.5') to reach its gel state.