

3M ESPE Dental

# RelyX™ Unicem 2

Self-Adhesive Resin Cement



Simplicity — powered by  
performance

- Enhanced next generation formula
- Easy-to-use delivery systems — whatever you **choose** it **performs**

# The next generation cement from 3M ESPE — RelyX™ Unicem 2 Self-Adhesive Resin Cement

Dentists worldwide have put their trust in RelyX™ Unicem Self-Adhesive Resin Cement based on its proven 14 year clinical history, over 50 million applications worldwide, innovative formulation and top ratings.<sup>1</sup> As the world's **most clinically proven**, its success has earned the trust of dental professionals and opinion leaders for self-adhesive cementation.

With ongoing commitment to innovation and performance, 3M ESPE created the next generation cement: RelyX™ Unicem 2 Self-Adhesive Resin Cement. **Featuring enhancements to bond strength, mechanical properties and esthetics; the innovative formulation delivers an even higher level of performance.**

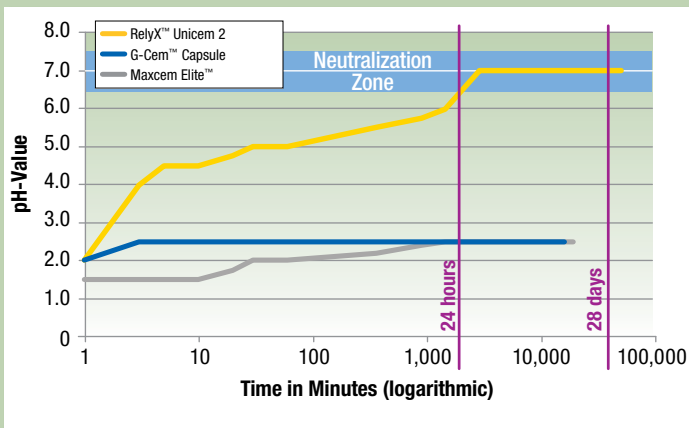
## Strength, performance and simplicity — key factors for clinical success

RelyX Unicem 2 cement delivers high adhesion, resistance to discoloration, long-term stability and virtually no post-operative sensitivity<sup>2</sup>. The RelyX Unicem 2 Automix Syringe Cement delivery system provides easy handling and flexible dose dispensing, saving treatment time. RelyX Unicem 2 cement delivers consistent quality, reliability and efficiency.



### Neutralization is the key

RelyX™ Unicem 2 Cement quickly becomes pH neutral and hydrophobic, making it more stable over time.



**pH-Increase of Self-Adhesive Luting Materials.** pH is measured at defined times, using 0.2 mm thin layer of mixed cement in contact with moistened pH-test strips (e.g. SIGMA P-4766). Source: 3M ESPE internal data.

### Resulting in long-term stability



**Results of stress test on self-adhesive resin cements.** Specimen 2 x 2 x 25 mm self cured (according DIN ISO 4049:2000) after 10,000 thermocycles (at 10 days) in water 5°/55°C (with 30 seconds dwell time). Source: 3M ESPE internal data.



<sup>1</sup> 2015 Top Long-term Performer Cement™ award from The Dental Advisor, 2015 Top Cement - Self-Adhesive The Dental Advisor, “2008 Townie Choice Award” for Cementation.

<sup>2</sup> The high adhesive bond strength of RelyX Unicem 2 cement allows for reliable and comfortable cementation of Maryland and inlay/onlay bridges. For these indications an additional enamel etching step is required to increase the available surface area for bonding.

## Summary of Advantages

- Convenient dispensing
- Time-saving — no etching<sup>3</sup>, priming or bonding
- Virtually no post-operative sensitivity<sup>4</sup>
- Easy removal of excess
- Optimal consistency
- Strong and moisture-tolerant



Automix Syringe

## Indications

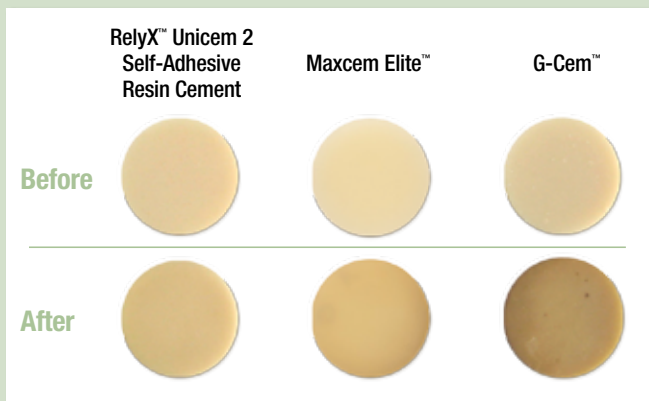
RelyX Unicem 2 cement is indicated for the permanent cementation of:

- All-ceramic, composite, or metal inlays, onlays, crowns and bridges
- Posts
- 3-unit inlay/onlay bridges
- All-ceramic, composite, or metal restorations to implant abutments
- 2- or 3-unit Maryland bridges<sup>2</sup>



## High color stability for natural esthetics

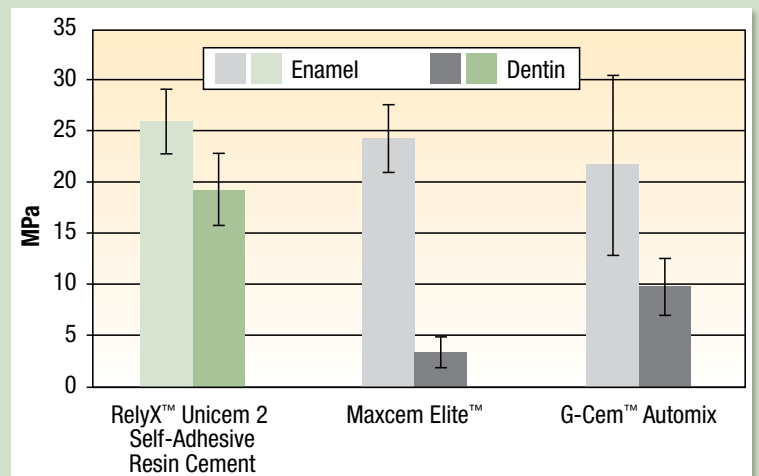
RelyX Unicem 2 Cement has low susceptibility to discoloration.



Test specimen after 3 days immersed in coffee at 36°C (tested color shades: A2 or yellow). Source: 3M ESPE internal data.

## Excellent bond strength

RelyX Unicem 2 Cement has the best shear-bond strength to dentin and excellent shear-bond strength to enamel, providing a long-lasting and secure restoration.



Shear bond strength after 24 hours, materials light-cured, to bovine teeth. Source: 3M ESPE internal data.

<sup>3</sup> Except for 2 – 3 unit Maryland bridges. Selective etching is required to increase surface area for bonding.

<sup>4</sup> 3M ESPE Data on file.

# The perfect combination in endo treatment — RelyX™ Fiber Post and RelyX™ Unicem 2 Self-Adhesive Resin Cement



RelyX Unicem 2 cement formula eliminates the need to pre-treat the tooth — reducing the potential for errors in etching, priming and bonding.

Perfectly matched endo tips allow precise application of the cement, directly into the root canal from bottom to top, greatly reducing the risk of air bubbles and voids.

RelyX Fiber Posts have **excellent light translucency**, allowing light curing deep into the root canal.

Their **radiopacity** is among the highest for glass fiber posts, making future diagnosis easier. With **outstanding mechanical strength** (compared to other leading fiber posts) and **dentin-like elasticity** (compared to metal/ceramic posts), RelyX Fiber Posts and RelyX Unicem 2 Automix cement ensure clinical success.

## Ordering Information



RelyX™ Unicem 2 Automix Cement Refill – A2 (56846)



RelyX™ Unicem 2 Automix Cement / RelyX™ Fiber Post Starter Kit – A2 (56850)

| Item #                                 | Product Information  |
|--|--|
| <b>RelyX™ Unicem 2 Automix Refills</b> |  |
| 56848                                  | <b>Shade Translucent:</b> 1 – 8.5 g syringes; 10 mixing tips (regular); 5 mixing tips (wide); 5 endo tips  |
| 56846                                  | <b>Shade A2 Universal:</b> 1 – 8.5 g syringes; 10 mixing tips (regular); 5 mixing tips (wide); 5 endo tips |
| 56847                                  | <b>Shade A3 Opaque:</b> 1 – 8.5 g syringes; 10 mixing tips (regular); 5 mixing tips (wide); 5 endo tips    |

| Item #  | Product Information   |
|---|---|
| <b>RelyX™ Unicem 2 Clicker™ Dispenser Refills</b> |   |
| 56874   | <b>Shade Translucent:</b> 1 – 11 g Clicker™ Dispenser; 1 mix pad (70144); technique card; instructions for use  |
| 56875   | <b>Shade A2 Universal:</b> 1 – 11 g Clicker™ Dispenser; 1 mix pad (70144); technique card; instructions for use |
| 56876   | <b>Shade A3 Opaque:</b> 1 – 11 g Clicker™ Dispenser; 1 mix pad (70144); technique card; instructions for use    |

| Item #                                  | Product Information                       |
|---|---|
| <b>RelyX™ Unicem 2 Automix Mix Tips</b> |   |
| 56851                                   | 30 mixing tips (regular)                  |
| 56918                                   | 15 mixing tips (wide); 15 intra-oral tips |
| 56919                                   | 15 mixing tips (wide); 15 endo tips       |

| Item #                   | Product Information   |
|--------------------------|---|
| <b>RelyX™ Fiber Post</b> |   |
| 56860                    | <b>Intro Kit:</b> Box with 5 posts of each size: 1 (1.3 mm dia); 2 (1.6 mm dia); 3 (1.9 mm dia); 4 drills sizes 1, 2, 3; 1 universal drill, 20 elongation tips  |
| 56850                    | <b>RelyX™ Fiber Post/RelyX™ Unicem 2 Automix Starter Kit, shade A2 Universal:</b> 1 – 8.5 g syringes; 5 mixing tips (regular); 15 mixing tips (wide); 10 endo tips; 5 intra-oral tips; RelyX™ Fiber Posts 5 of each size: 0, white (1.1 mm dia); 1, yellow (1.3 mm dia); 2, red (1.6 mm dia) and 3, blue (1.9 mm dia); 5 drills sizes 0, 1, 2, 3, universal |

| Item #                           | Product Information                                |
|----------------------------------|--|
| <b>RelyX™ Fiber Post Refills</b> |  |
| 56872                            | 10 RelyX™ Fiber Posts, white, size 0 (1.1 mm dia)  |
| 56861                            | 10 RelyX™ Fiber Posts, yellow, size 1 (1.3 mm dia) |
| 56862                            | 10 RelyX™ Fiber Posts, red, size 2 (1.6 mm dia)    |
| 56863                            | 10 RelyX™ Fiber Posts, blue, size 3 (1.9 mm dia)   |
| 56873                            | 1 drill size 0, white (1.1 mm dia)                 |
| 56864                            | 1 drill size 1, yellow (1.3 mm dia)                |
| 56865                            | 1 drill size 2, red (1.6 mm dia)                   |
| 56866                            | 1 drill size 3, blue (1.9 mm dia)                  |
| 56867                            | 1 universal drill                                  |



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