

Cementation Solutions

RelyX™ Ultimate

Adhesive Resin Cement



Glass ceramic
cementation
has a new hero

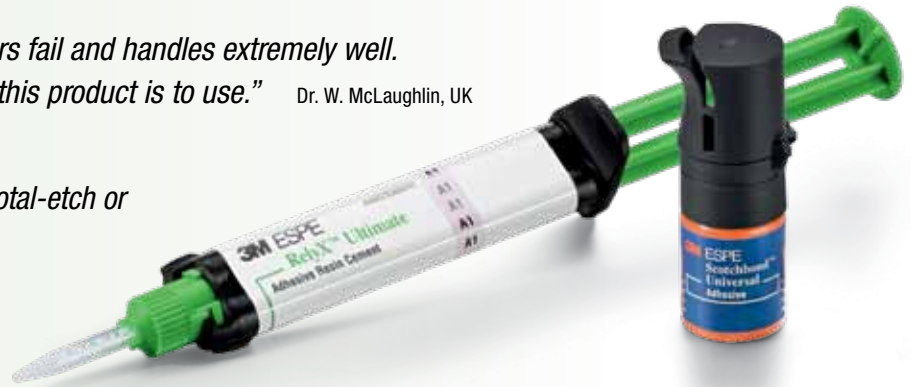
3M ESPE

Ultimate strength for glass ceramics

RelyX™ Ultimate is an innovative dual cure, adhesive resin cement from 3M™ ESPE™. The cement was developed with the specific needs of glass ceramic cementation in mind. RelyX Ultimate ensures uncompromising results by offering ultimate bond strength in a simplified procedure.

“This product is strong, sticks when others fail and handles extremely well. I was most impressed with how simple this product is to use.” Dr. W. McLaughlin, UK

“I greatly valued the ability to use either total-etch or self-etch technique.” Dr. P. Claassen, UK



RelyX Ultimate is particularly suited for CAD/CAM restorations.

RelyX Ultimate covers the whole spectrum of indirect indications for all final cementation of:

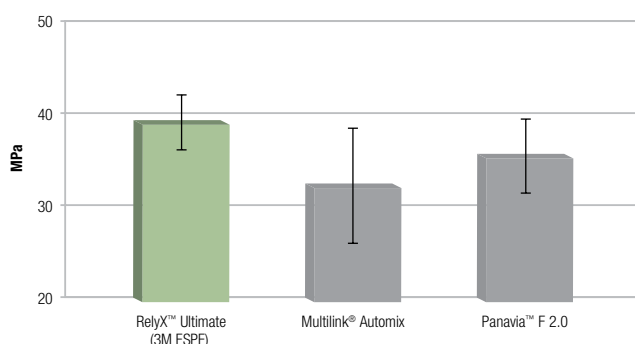
- All-ceramic, composite or metal inlays, onlays, crowns and bridges; 2–3-unit Maryland bridges and 3-unit inlay/onlay bridges*
- All-ceramic or composite veneers
- All-ceramic, composite, or metal restorations to implant abutments
- Posts and screws

*Excluded for patients with bruxism or periodontitis.

A real hero in terms of bond strength.

The ultimate bond strength and ease-of-use make RelyX Ultimate ideal for the cementation of glass ceramic restorations. Internal and external adhesion test data show excellent adhesion to both dentin and enamel.

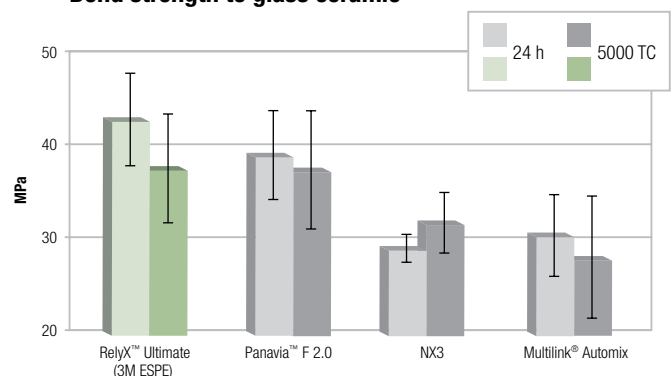
Shear bond strength of resin cements to enamel



Shear bond strength to enamel after 24 h storage, cement was light cured.

Source: C. Decoteau, M. Ogledzki, G. Kugel, and R.D. Perry; Tufts University, Boston, USA, IADR/AADR 2011, # 375

Bond strength to glass ceramic



Adhesion of resin cements to leucite reinforced etchable glass ceramics (Paradigm™ C, 3M ESPE). RelyX™ Ultimate was used with Scotchbond™ Universal (sc) as silane replacement, the other materials according to manufacturers' instructions. All cements were light cured. Artificial aging: 5000 thermocycles (5–55°C). Source: 3M ESPE internal data

Fewer components – greater ease-of-use.

RelyX Ultimate was designed for optimal performance when combined with Scotchbond™ Universal Adhesive which functions not only as a self-etch or total-etch adhesive, but also as a primer for most restoration surfaces. The RelyX Ultimate formulation itself contains a dark-cure activator for the Scotchbond Universal adhesive which eliminates the need for a separate activator and saves you unnecessary steps.

Fewer components, fewer working steps: means not only easier handling but also less risk of errors. Last but not least, it reduces your inventory.

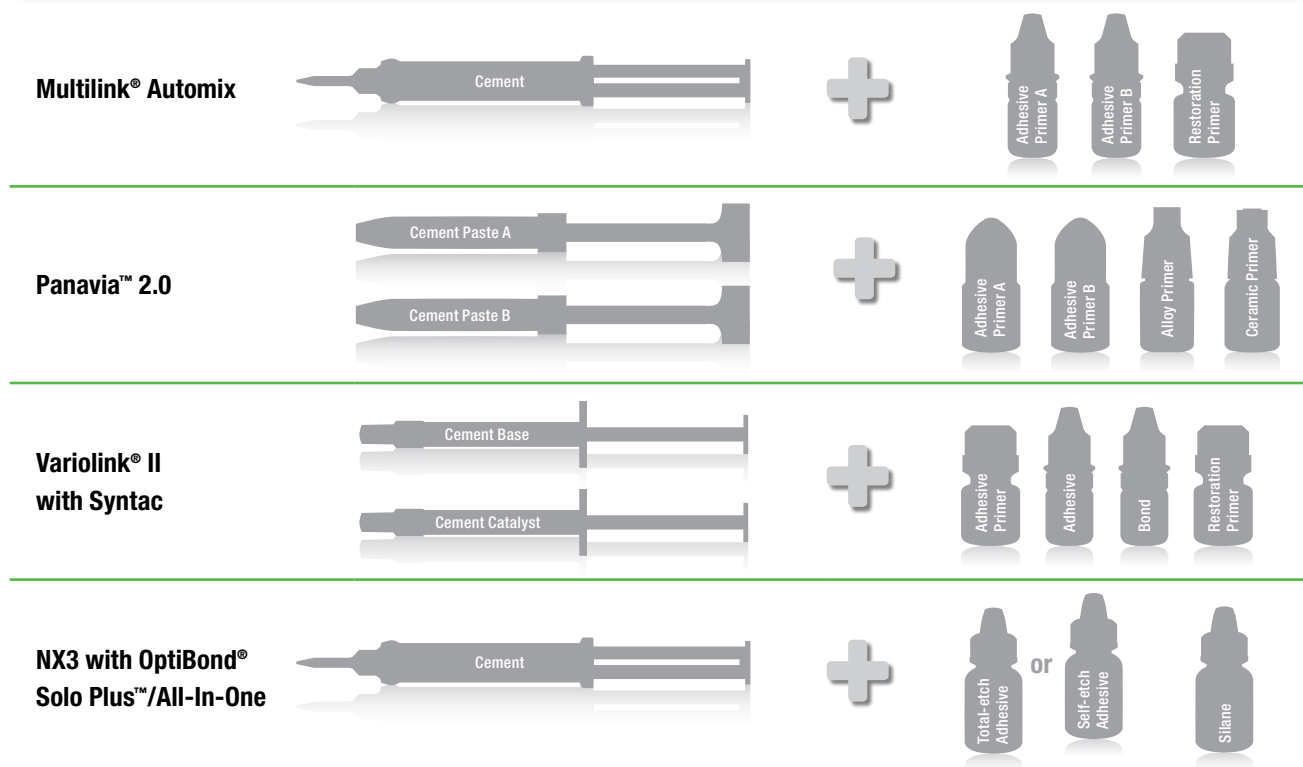
Benefits of Scotchbond™ Universal Adhesive:

- Combined total-etch and self-etch bonding capability
- Integrated primers for glass ceramics, oxide ceramics and metal
- Consistent bond strength to both moist- and dry-etched dentin
- Virtually no post-op sensitivity in total-etch and self-etch modes

Benefits of RelyX™ Ultimate Adhesive Resin Cement:

- Dual cure cement with ultimate bond strength
- Ease of use (integrated dark cure activator for Scotchbond Universal adhesive)
- Tooth-like fluorescence and high wear resistance
- Matching try-in pastes

“Due to the small number of components, this adhesive cement is easier, faster and safer to use.” Dr. M. Buff, Germany



High color stability for natural esthetics.

RelyX™ Ultimate uses a modern initiator technology, which is free of aromatic amine components to ensure color stability. Compared to other leading products, RelyX Ultimate shows the lowest discoloration after incubation in coffee solution. For brilliant natural color imitation, a dye has been added to the cement to create tooth-like fluorescence.

Color Stability	Before	Coffee
RelyX™ Ultimate		
Panavia™ F2.0		
NX3		
Multilink® Automix		
Variolink® II		

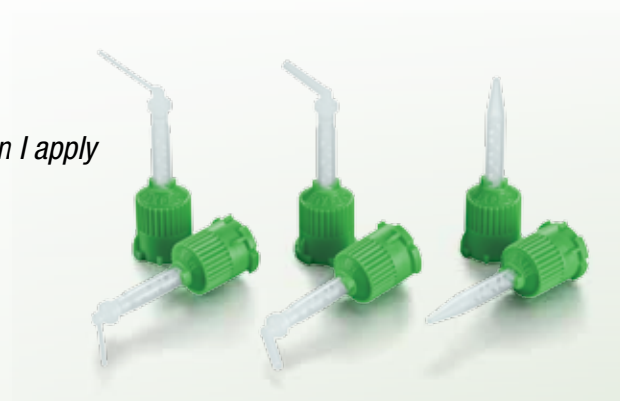
Resistance to staining: RelyX™ Ultimate shows least discoloration after 3-day incubation in coffee solution. Source: 3M ESPE internal data

Fluorescence	10 % UV	90 % UV
Human Tooth		
RelyX™ Ultimate		
Panavia™ F2.0		
NX3		
Multilink® Automix		

Fluorescence of RelyX™ Ultimate and other resin cements. RelyX™ Ultimate shows fluorescence similar to a natural tooth. Source: 3M ESPE internal data

“The intra-oral tip is great for chairside CAD/CAM restorations when I apply the cement directly onto the preparation surface.”

Dr. S. Efstratiou, UK

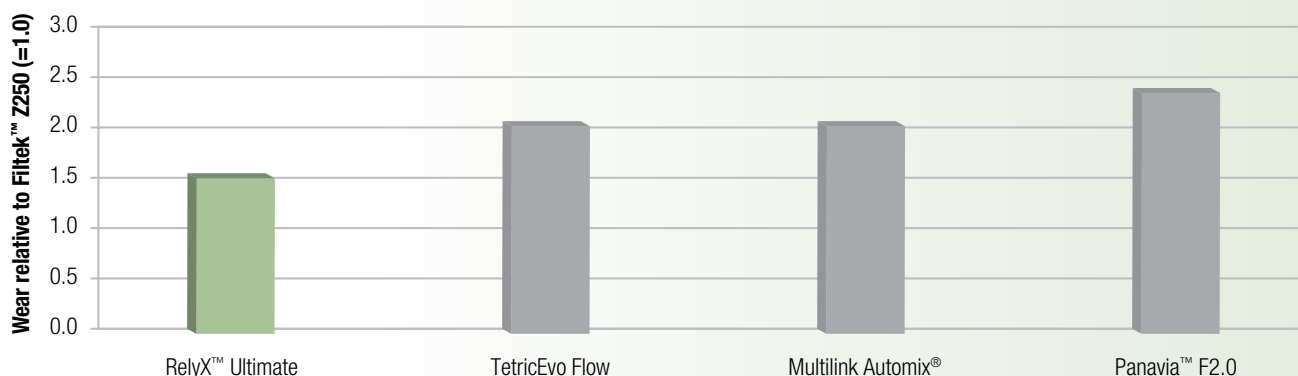


Wear resistance.

An esthetic restoration requires marginal integrity. Besides high bond strength, strong mechanical properties are needed. RelyX Ultimate is optimized for a high wear resistance. This ensures a good marginal seal over the life time of the restoration.

When compared to other resin cements and flowable filling composites, RelyX Ultimate shows the lowest three-body wear against the benchmark Filtek™ Z250 (3M ESPE).

RelyX™ Ultimate shows lowest wear after one week



ACTA three body wear test. Material abrasion calculated relative to Filtek™ Z250 (3M ESPE). Source: C. Kleverlaan, ACTA University, Netherlands



3M ESPE

RelyX™ Ultimate

Adhesive Resin Cement

8.5g Base Paste

Ultimate bond strength
for glass ceramics

Ordering Information

Item No. Product Information

RelyX™ Ultimate

56891 RelyX™ Ultimate Introductory Kit (incl. 4 color shades): 1 bottle Scotchbond™ Universal à 5 ml, 1 etchant syringe à 3 ml, 25 dispensing tips for etchant syringe, 50 mixing wells, 50 microbrushes, 1 syringe cement (A30) à 8.5 g, 1 syringe cement (B0.5) à 8.5 g, 1 syringe cement (A1) à 8.5 g, 1 syringe cement (Translucent) à 8.5 g, 30 mixing tips (regular), 10 mixing tips (wide) + 10 endo tips, 10 mixing tips (wide) + 10 intra-oral tips, Step-by-step Technique Guide

56892 RelyX™ Ultimate Trial Kit (Translucent): 1 bottle Scotchbond™ Universal à 1.5 ml, 1 etchant syringe à 3 ml, 25 dispensing tips for etchant syringe, 50 microbrushes, 1 syringe cement (Translucent) à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips, Step-by-step Technique Guide

56894 RelyX™ Ultimate Trial Kit (A1): 1 bottle Scotchbond™ Universal à 1.5 ml, 1 etchant syringe à 3 ml, 25 dispensing tips for etchant syringe, 50 microbrushes, 1 syringe cement (A1) à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips, Step-by-step Technique Guide

RelyX™ Ultimate Refills

56887 Shade A1: 1 syringe cement à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips

56888 Shade A30 Opaque: 1 syringe cement à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips

56889 Shade B0.5 Bleach: 1 syringe cement à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips

56890 Shade Translucent: 1 syringe cement à 8.5 g, 10 mixing tips (regular), 5 mixing tips (wide) + 5 intra-oral tips

RelyX™ Ultimate Mixing Tips

56883 30 mixing tips (regular)

56885 10 mixing tips (wide) + 10 endo tips

56886 10 mixing tips (wide) + 10 intra-oral tips

RelyX™ Try-in Paste Refills

7614A1T A1/Light Yellow: 1 try-in paste refill à 2 g

7614A3T A3 Opaque/Yellow Opaque: 1 try-in paste refill à 2 g

7614B0.5T B0.5/White 1 try-in paste refill à 2 g

7614TRT Translucent: 1 try-in paste refill à 2 g

7614WOT White Opaque: 1 try-in paste refill à 2 g

7614A5T A5 Opaque/Dark: 1 try-in paste refill à 2 g

Item No. Product Information

RelyX™ Veneer Cement

7616 RelyX™ Veneer Cement Kit: 1 syringe à 3 g each of RelyX™ Veneer cement in shades A1, A3 Opaque, White Opaque, Translucent and B0.5; 1 syringe à 2 g each of RelyX™ Try-In Paste in shades A1, A3, White Opaque, Translucent and B0.5/White; 1 vial à 5 ml Scotchbond™ Universal Adhesive, 1 syringe à 3 ml Scotchbond™ Universal Etchant, 25 Scotchbond™ Universal Etchant Tips, 48 Mixing Wells (white), 50 Scotchbond™ Microbrushes (blue), Step-by-step Technique Guide

7616TK RelyX™ Veneer Cement Trial Kit: 1 syringe à 3 g RelyX™ Veneer Cement (Translucent), 1 syringe à 2 g RelyX™ Try-in Paste (Translucent), 20 Scotchbond™ Universal L-Pop, 1 syringe à 3 ml Scotchbond™ Universal Etchant, 25 Scotchbond™ Universal Etchant Tips, Shade Card, Step-by-step Technique Guide

RelyX™ Veneer Cement Refills

7614A1 A1/Light Yellow: 1 syringe cement à 3 g

7614A3 A3 Opaque/Yellow Opaque: 1 syringe cement à 3 g

7614B0.5 B0.5/White: 1 syringe cement à 3 g

7614TR Translucent: 1 syringe cement à 3 g

7614W0 White Opaque: 1 syringe cement à 3 g

8714A5 A5 Opaque/Dark: 1 syringe cement à 3 g

Scotchbond™ Universal Adhesive

41258 Scotchbond™ Universal Adhesive Refill: 5 ml adhesive vial

41263 Scotchbond™ Universal Etchant Etching Gel: Two 3 ml syringes



RelyX™ Ultimate Trial Kit – A1 (56894)

RelyX™ Ultimate Introductory Kit (56891)

3M ESPE

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