

Cementation Solutions

RelyX™ Fiber Post

Glass Fiber Post

RelyX™ Unicem

Self-Adhesive Universal Resin Cement



We have read
your mind

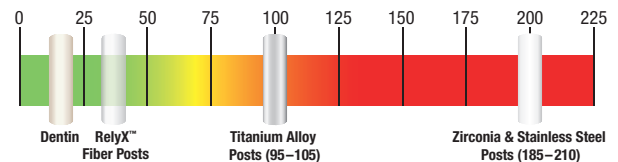
3M ESPE

RelyX™ Fiber Post is designed to make excellent clinical results easier to achieve.

Why switch from metal to fibre posts?

Research proves that the elasticity of RelyX™ Fiber Post is far more similar to that of human dentine than is the elasticity of metal and ceramic posts – which means a much lower risk of root fracture due to the “wedge effect.”

If endodontic retreatment is required, it is reassuring to know that RelyX Fiber Posts can be removed easily, without damaging the tooth.



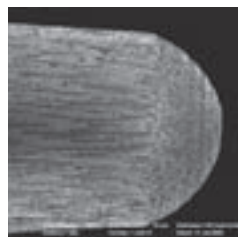
Elasticity modulus (GPa) of dentine and post materials.

Source: 3M ESPE internal data

Why choose RelyX Fiber Posts?

Strong and long-lasting.

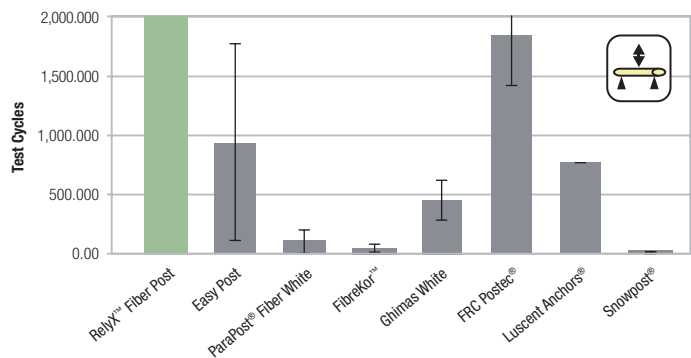
RelyX Fiber Post’s unique resin composition and equally dispersed parallel fibres lead to superior mechanical strength. The microporous surface allows for additional bond strength through microretentive effects.



SEM photo shows fibres and microporous surface.

Source: 3M ESPE internal data

Fatigue Test



Only RelyX™ Fiber Post showed no failures after 2 million cycles in the fatigue test (three-point bending cycles until fracture, depicted is the statistical average from tests on 10 posts).

Source: Prof. M. Ferrari, University of Siena, Italy

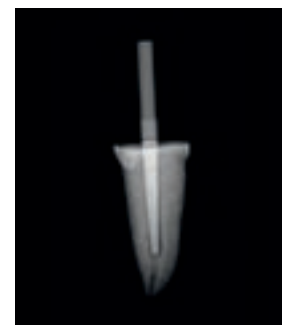
Translucent and radiopaque.

The excellent light translucency of RelyX Fiber Post permits efficient light cure deep into the root canal. Its improved radiopacity is among the highest of available glass fiber posts.



Light translucency of RelyX™ Fiber Post (size #2), here with the Elipar™ FreeLight 2 LED Curing Light.

Source: 3M ESPE internal data



The improved radiopacity of RelyX™ Fiber Post (size #2) makes future diagnosis easier.

Source: THE DENTAL ADVISOR, Research Report 20, 2009

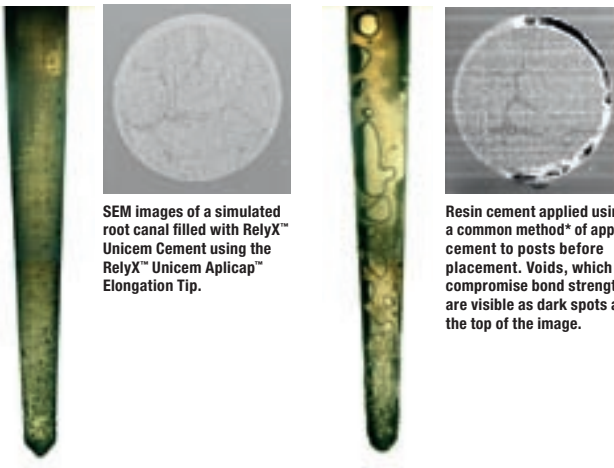
To view the full report, visit www.dentaladvisor.com

Easy

The RelyX™ Unicem system makes cementing a post faster, easier and more reliable.



The proven RelyX™ Unicem Aplicap™ combined with its unique Elongation Tip is designed to reach into the root canal, so you can apply cement in the canal from bottom to top. This greatly reduces the chance of air pockets and voids, resulting in outstandingly strong and virtually void-free post cementation. Convenience and reliability ... without compromise.



SEM images of a simulated root canal filled with RelyX™ Unicem Cement using the RelyX™ Unicem Aplicap™ Elongation Tip.

Resin cement applied using a common method* of applying cement to posts before placement. Voids, which can compromise bond strength, are visible as dark spots at the top of the image.

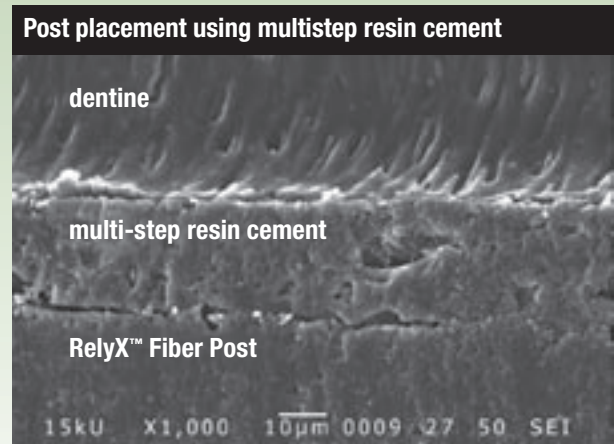
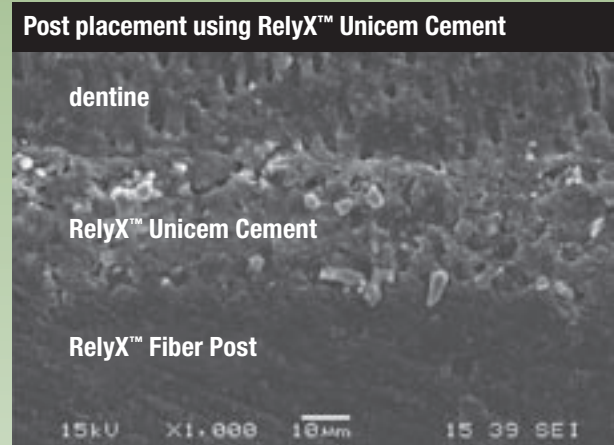
Source: Naumann M., Watzke R., University of Berlin, Charité

*The use of Lentulo spirals is contraindicated for numerous resin cements because it may significantly decrease setting time.



The proven solution that delivers better clinical results.

The combination of a strong post with a dentine-like flex, a convenient delivery and a proven cement, helps ensure the clinical success of post placement.



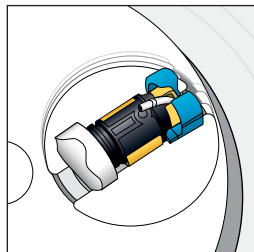
SEM images showing the sealing capability of RelyX™ Unicem Self-Adhesive Universal Resin Cement to RelyX™ Fiber Post, as compared to the sealing capability of a multi-step resin cement. The void-free application deep in the root canal and the lack of technique-sensitive bonding/priming steps promotes an optimal bond and seal between interfaces.

Source: Prof. Marco Ferrari, University of Siena, Italy

Reliable

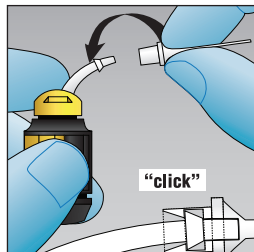
Our post and cement make it stronger. Our system makes it easier.

RelyX™ Fiber Post is a stronger, yet simpler solution for cementing posts.

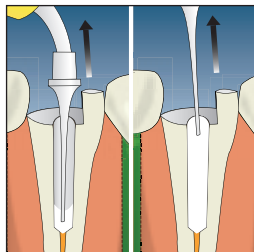


First, prepare canal for post placement procedure.

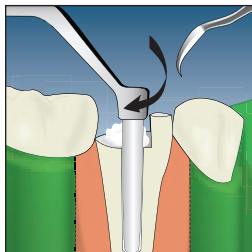
1. Activate the RelyX™ Unicem Cement Aplicap™ Capsule and mix for **10 seconds** in the RotoMix™ Capsule Mixing Unit from 3M ESPE – or **15 seconds** at highest speed in other units.



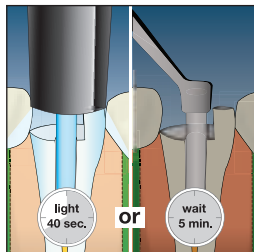
2. Attach the RelyX™ Unicem Aplicap™ Elongation Tip to the applicator. Listen for an audible “click.”



3. Apply cement in the root canal from bottom to top. **Keep tip immersed** in the cement during the entire cementation process, to avoid trapped air.



4. Seat post immediately. Twist slightly and apply moderate pressure to hold in position. Remove excess cement with a scaler or explorer before complete setting of the cement, **OR** tack-cure for **2 seconds** then remove excess cement.



5. Light cure for **40 seconds** **OR** allow to self-cure for 5 minutes.

Ordering Information

Item No. Product Information

56860 RelyX™ Fiber Post Intro Kit
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

56868 RelyX™ Fiber Post/RelyX™ Unicem Cement Starter Kit:
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 20 Aplicap™ Capsules assorted in the shades A2 Universal (10), Translucent (6), A3 Opaque (4), Aplicap™ Activator, Aplicap™ Applier

Item No. Product Information

Refills

56872 10 RelyX™ Fiber Posts size 0 (1.1 mm dia); 10 Elongation Tips
56861 10 RelyX™ Fiber Posts size 1 (1.3 mm dia); 10 Elongation Tips
56862 10 RelyX™ Fiber Posts size 2 (1.6 mm dia); 10 Elongation Tips
56863 10 RelyX™ Fiber Posts size 3 (1.9 mm dia); 10 Elongation Tips
56873 1 drill size 0 (1.1 mm dia)
56864 1 drill size 1 (1.3 mm dia)
56865 1 drill size 2 (1.6 mm dia)
56866 1 drill size 3 (1.9 mm dia)
56867 1 universal drill
77550 10 RelyX™ Unicem Aplicap™ Elongation Tips



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You + 3M ESPE =

Groundbreaking ideas for dentistry

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