

# Meron Plus

RESIN REINFORCED GLASS IONOMER LUTING  
CEMENT



# Meron Plus

## A REAL “PLUS” FOR CONVENTIONAL LUTING

Meron Plus is a resin-reinforced glass ionomer luting cement which delivers impressive results, particularly in cases where conventional cements fail to achieve the requisite retention. In such cases, Meron Plus has regularly proven its ability to create a particularly strong bond. This allows reliable and problem-free luting, even in cases with unfavourable core geometries. Whether you use it in the hand-mixing version or the new, practical application capsule – a definite “plus” for your practice.

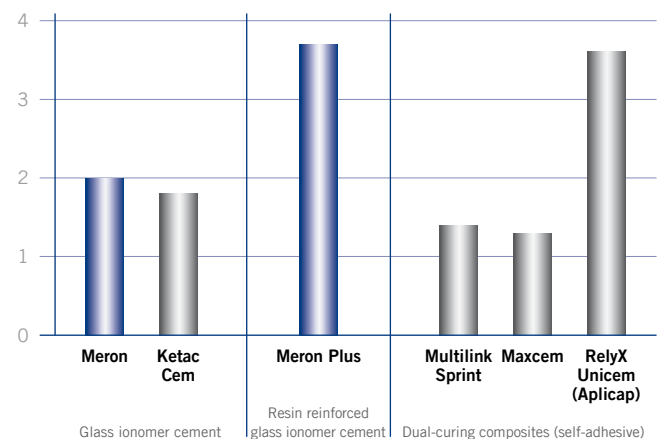
A study conducted by the University of Mainz in Germany measured the pull-off strength of different luting materials (glass ionomer cements, resin-reinforced glass ionomer cements and composites) following the luting of zirconium dioxide crowns. Meron delivered excellent values in the standard glass ionomer cement category. When stricter requirements were placed on the adhesion values, Meron Plus really came into its own and achieved the best values out of all the material categories included in the study. This is clear proof of Meron Plus' excellent suitability for the luting of high-strength ceramic crowns.

Meron Plus, which offers a “plus” in terms of bond strength even without an additional conditioner, can also be used instead of a conventional glass ionomer cement in cases of low retention (e.g., short, tapered cores). Meron Plus even impresses with its thoroughly positive properties when it comes to the luting of orthodontic bands and root posts.

Moreover, at approximately 11  $\mu\text{m}$ , Meron Plus boasts a particularly low film thickness, thus making it easier to place the restoration precisely. Meron Plus is thixotropic, which means it can be applied to the restoration with ease and

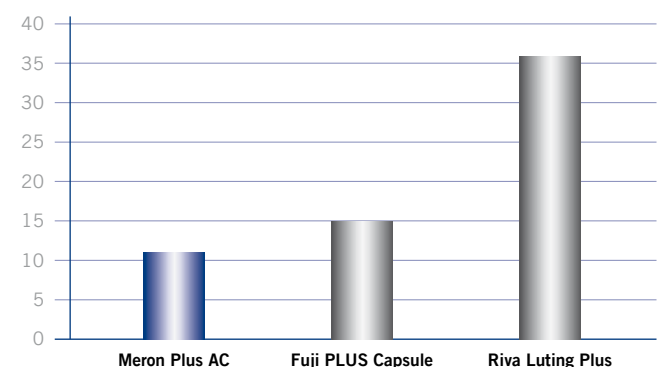
then acquires a viscous consistency, which avoids unwanted run-off. Meron Plus' long elastic phase also makes the removal of excess remarkably simple. Yet another “plus” is the low solubility of the cement.

[MPa] Pull-off forces required to separate surfaces (median)



Source: C.-P. Ernst, C. Blum, A. Schattenberg, E. Stender, B. Willershausen

[ $\mu\text{m}$ ] Film thickness



Source: In-house measurement

### Technical data

Film thickness	approx. 11 $\mu\text{m}$
Radiopacity	> 200 %Al
Usable cement	min. 0.14 ml
Working time	2 min.
Setting time	3 - 5 min.

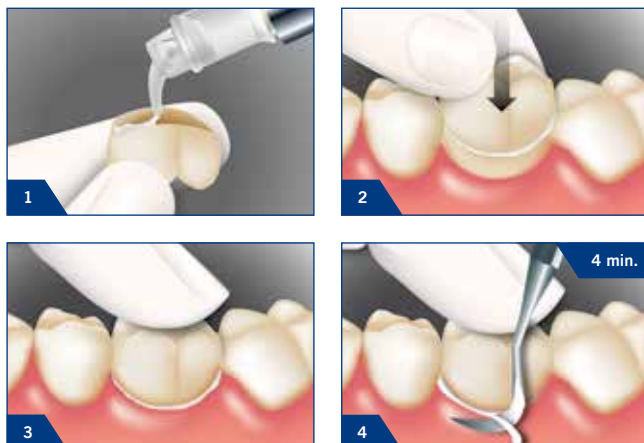
## VOCO's new application capsule

### SIMPLY PRACTICAL

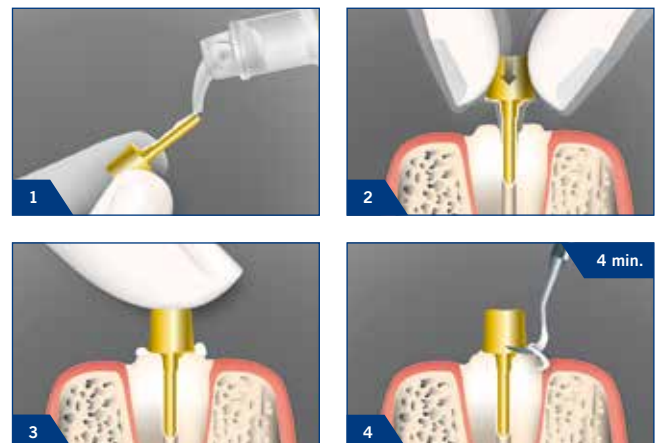
Thanks to VOCO's new application capsule, application is simple, practical and no longer requires the use of an activator device. The capsule is simply placed on a firm surface (e.g. a table) and pushed down by hand to slide the coloured flask containing the liquid into the powder chamber. This combines the powder and the liquid and is followed by conventional mixing using a capsule mixer. The application nozzle is then turned upwards, and the capsule is immediately ready for use once placed in any commercially available applicator.



#### Luting of crowns



#### Luting of posts



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## RESIN REINFORCED GLASS IONOMER LUTING CEMENT

### Indications

Luting of

- porcelain-fused-to-metal crowns, bridges on hard dental tissue and on cores rebuilt with amalgam, composites or glass ionomer materials
- metal inlays, onlays, crowns and bridges
- root posts
- all-ceramic crowns manufactured from silicate ceramic, zirconium dioxide-only or alumina-only ceramic cores
- orthodontic appliances

### Advantages

- High adhesion values compared with conventional glass ionomer luting cements
- Precise marginal fit
- Thixotropic: Very good wetting behaviour without unwanted run-off
- Low film thickness
- Moisture and acid resistant
- Simple removal of excess material thanks to long elastic phase
- Self-adhesive: secure and quick bonding
- Also suitable for high-strength zirconium dioxide ceramics
- Continuous release of fluoride



### Presentation

#### Merlon Plus

REF 1731 Powder 15 g

REF 1732 Liquid 10 ml

#### Merlon Plus AC

REF 1736 Application capsule 50 pcs.

REF 1737 Application capsule 150 pcs.

REF 2331 Applicator – AC type 1

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