

TACK CURE FOR QUICK AND EASY CLEAN-UP
WITH ENHANCED ADHESION

Merlon Plus QM



Merlon Plus QM

RESIN MODIFIED GLASS IONOMER CEMENT



VOCO
THE DENTALISTS

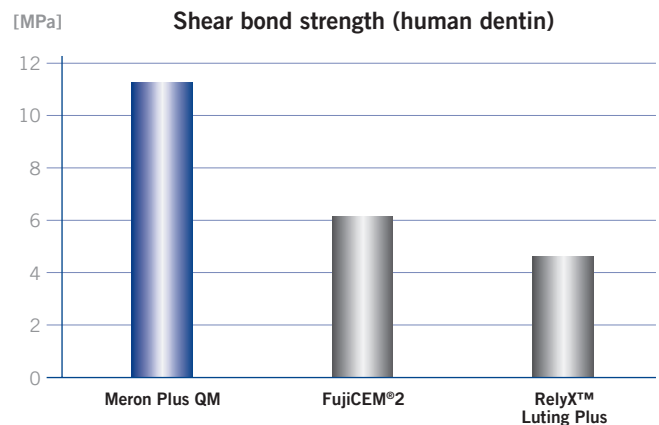
Meron Plus QM

AUTOMIX RMGI CEMENT WITH ENHANCED ADHESIVE VALUES

VOCO introduces the newest member of the Meron Plus family with Meron Plus QM, a paste / paste resin modified glass ionomer cement that stands out among other brands because of its particularly strong adhesion, tack cure and easy clean-up. Meron Plus QM is indicated for daily use and even in cases with unfavorable core geometry where conventional cements do not offer sufficient retention.

A Leader in RMGI Cement Adhesive Values

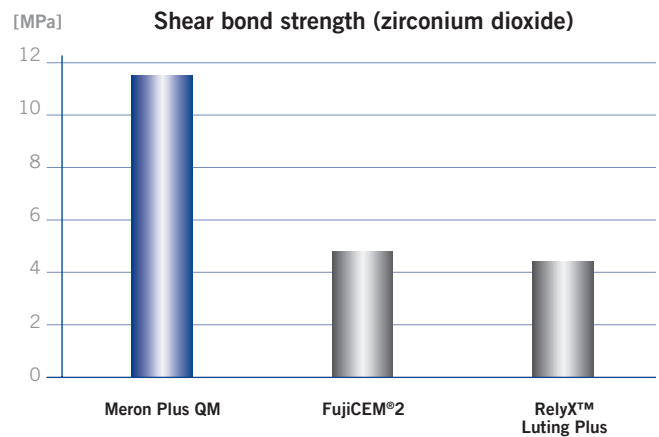
As studies indicate, Meron Plus QM is a leader in adhesive values. For example, Meron Plus QM's shear bond strength to human dentin is 11.3 MPa, which is almost two times that of the leading brand. Providing an additional safety factor for the practitioner and the patient even in cases of low retention such as short, tapered cores.



Source: Internal measurement

Bond Strength to Zirconium Dioxide

Meron Plus QM is indicated for all high strength all-ceramic restorations including zirconium dioxide, where it offers significantly higher bond strength compared to other brands of resin modified glass ionomer cements.



Source: In-house measurement

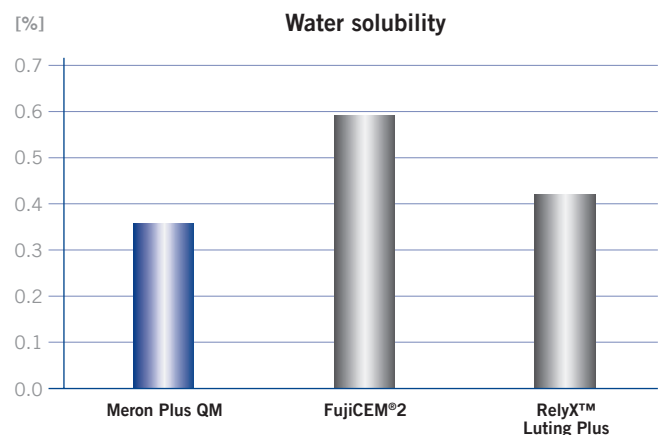
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PASTE/PASTE RMGI CEMENT WITH REAL ADVANTAGES

Additionally, Meron Plus QM offers quick and easy clean-up of excess material with a simple tack-cure, while also providing low water solubility for improved overall longevity and success as a permanent cement. Meron Plus QM offers all of the traditional advantages practitioners are accustomed to in high quality glass ionomer cements, including self-adhesion without a primer or conditioner and continuous fluoride release.

Long-term security

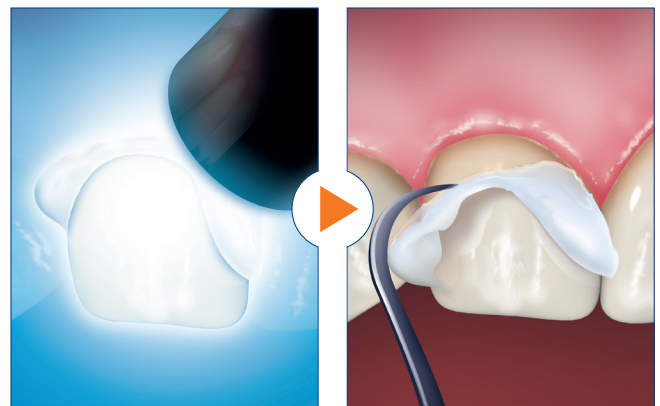
For durable, long-lasting, secure cementation, the water solubility of the cement material, along with the adhesion values, is of crucial importance. The objective is low water solubility in order to avoid decementation due to moisture penetration via the cement joints – even if they are small. Meron Plus QM, with its low water solubility, again offers optimal values especially when compared to other brands within the category as shown in the comparison here.



Source: Internal measurement

Tack curing – Removal of excess material without any waiting time!

Through the use of short-term light-curing, the time until removal of excess Meron Plus QM can be shortened, thus eliminating the wait time after insertion. Simply light-cure the excess material briefly (approx. 5–10 s per segment) and remove directly. The curing of the remaining material stays unaffected.



Meron Plus QM

OPTIMIZED MAKE-UP AND DELIVERY FOR HIGH QUALITY RESULTS

In addition to high adhesive values and simple clean-up, Meron Plus QM offers clear advantages for everyday use through its easy to work with paste/paste composition and precise QuickMix delivery system. Together they offer an optimal time frame for extraoral processing after mixing, and an adjustable time frame for removing excess material.

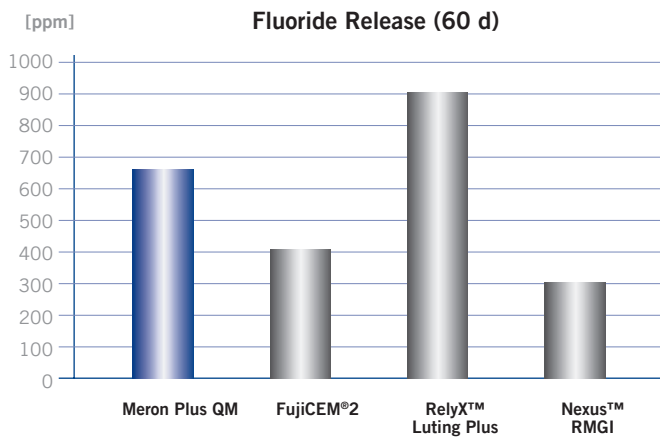
The QuickMix syringe – for easy and precise delivery

The utilization of the practical QuickMix syringe enables a simple, fast and very precise mixture and application directly into the prepared restoration. This eliminates the need for an additional applicator as well as the potential of a mixing error.

Convenient working time



With an extraoral working time of 2 minutes, Meron Plus QM offers sufficient time for the application of the material in the restoration – for both single tooth restorations as well as multi-unit bridges.



This convenient working time represents a clear handling advantage compared to other brands and, together with Meron Plus QM's low film thickness, satisfies the basic requirements for an accurately fitting insertion.

Like all products of the Meron Plus family, Meron Plus QM is self-curing in addition to uniquely accepting a tack cure. Once the gel phase is achieved (whether through a light-cure or self-curing), the excess material can be removed simply and cleanly.

- ◀ Compared to most other brands, Meron Plus QM offers continuous high fluoride release, allowing for better longevity and more peace of mind once the restoration is cemented in place.

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RESIN MODIFIED GLASS IONOMER CEMENT

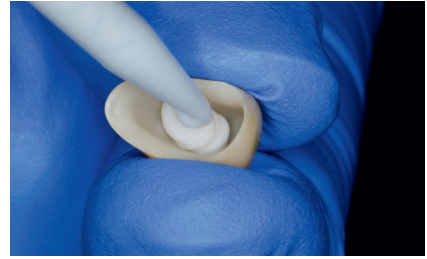
Clinical Case



Prepared tooth 11 with chamfer preparation to accommodate the crown



Zirconia crown on tooth 11 on the plaster model



Application of Meron Plus QM in the restoration



Insertion of the restoration



Short-term light-curing (tack curing)



Easy removal of excess material



Additional removal of excess material in the approximal areas using dental floss



Completed treatment

Source: Prof. Dr. Jürgen Manhart, Munich / Germany

Meron Plus QM

RESIN MODIFIED GLASS IONOMER CEMENT

Indications

Cementation of:

- metal-based inlays, onlays, crowns and bridges
- high-strength (zirconium dioxide-based) all-ceramic crowns and bridges
- high-strength all-ceramic inlays
- metal, ceramic and fiber posts

MERON PLUS QM – TECHNICAL DATA

Working Time:	2 min
Setting Time:	4 min 30 sec
Tack curing time:	5–10 seconds
Bond strength dentin:	11.3 MPa
Bond strength to zirconium dioxide:	11.8 MPa
Water solubility:	0.36%

Advantages

- 2x's the bond strength to dentin than other leading brands
- Up to twice the adhesive values to Zirconium Dioxide than other leading brands
- Quick and easy clean-up of excess material with optional tack cure
- Low film thickness for a precise marginal fit
- Moisture and acid resistant
- Self-adhesive: secure and quick bonding without primer or conditioner
- QuickMix syringe ensures optimal application and a reliable mixing ratio

Presentation

- REF 1727 QuickMix syringe 8.5 g, accessories
- REF 1728 QuickMix syringe 3 × 8.5 g, accessories
- REF 2189 mixing tips type 10 – 50 pack



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