

Merlon Plus QM

RESIN REINFORCED GLASS IONOMER LUTING
CEMENT

Meron Plus QM

A REAL “PLUS” FOR CONVENTIONAL LUTING

As the newest member of the Meron Plus family, the paste-paste version Meron Plus QM, like the other Meron Plus products, stands out because of its particularly strong adhesion. The resin reinforced glass ionomer luting cements can therefore be used without any problems even in cases in which conventional cements do not offer sufficient retention – for example, if there is unfavourable core geometry. Meron Plus QM naturally offers you all of the advantages which you are used to in a good glass ionomer luting cement – from self-adhesion without a primer and conditioner to continuous fluoride release.

A real “plus” for adhesion

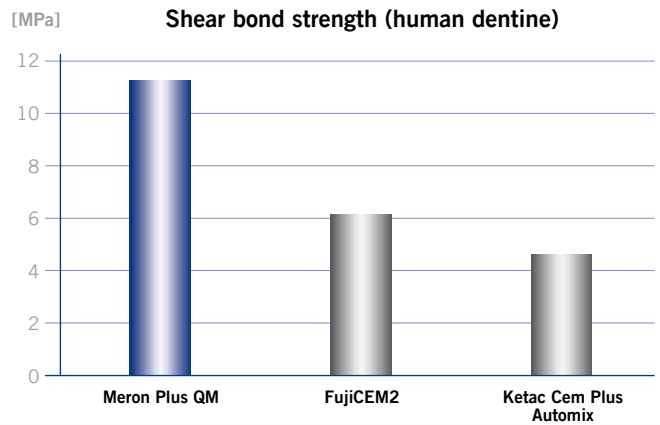
The investigation into shear bond strength on human dentine confirms the “plus” for adhesion of Meron Plus QM. The result of Meron Plus QM shows clear advantages in comparison to other resin reinforced paste-paste glass ionomer luting cements. Meron Plus QM achieves a shear bond strength of 11.3 MPa and thus offers you an additional safety factor, even in cases of low retention (for example, short, tapered cores).

The QuickMix syringe – A real “plus” for handling

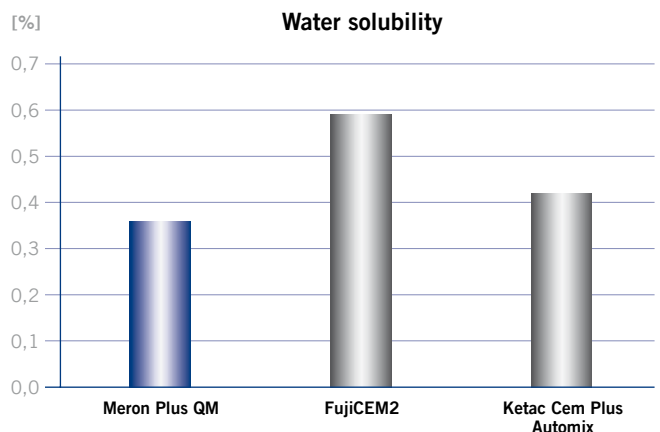
The application from the practical QuickMix syringe enables simple, fast and very precise application directly from the syringe – also without an additional dispenser. The material is mixed automatically and no separate mixing procedure is needed. This not only saves valuable time but also means that you always have the right amount available, and a possible potential for error during mixing can be excluded.

Long-term security

For durable, long-lasting, secure luting, the water solubility of the luting 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 also meets these requirements ideally and this is shown in the investigation in the competitor comparison.



Source: Internal measurement



Source: Internal measurement

Merlon Plus QM

OPTIMAL FOR EVERYDAY PRACTICE

Merlon Plus offers you clear advantages in everyday practice through a precisely coordinated time frame with a long extraoral processing time after mixing and a sufficient time frame for removing excess material. The new Merlon Plus QM additionally offers you the option for removing excess material after short-term light-curing (tack curing). As a result, you can save valuable treatment time.

Convenient processing time



With an extraoral processing time of 2 minutes, Merlon Plus QM offers sufficient time for the application of the material in the restoration – and not only in the case of single tooth restorations but also in multi-unit bridges.

For one thing, this represents a clear handling advantage, and for another thing, good application and low film thickness of the material are a basic requirement for an accurately fitting insertion.

Like all products of the Merlon Plus family, Merlon Plus QM is self-curing. Once the gel phase is achieved, the excess material can be removed simply and cleanly.

Tack curing:

Removal of excess material without any waiting time!

Through the use of short-term light-curing, the time until removal of Merlon Plus QM excess can be shortened thus you have no waiting time after insertion. Simply light-cure the excess material briefly (approx. 5 - 10 s per segment) and remove directly. The curing of the material itself thereof remains unaffected.

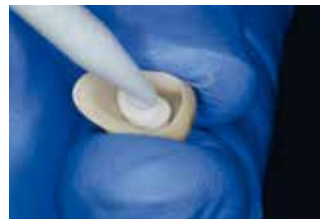
Clinical Case



Prepared tooth 23 with chamfer preparation to accommodate the crown



Zirconia crown on tooth 23 on the plaster model



Application of Merlon 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

Merlon Plus QM

RESIN REINFORCED GLASS IONOMER LUTING CEMENT

Indications

Luting of

- metal-based inlays, onlays, crowns and bridges
- high-strength (e.g., zirconium dioxide-based or lithium disilicates, etc.) all-ceramic inlays, onlays, crowns and bridges
- metal, ceramic and glassfibre-reinforced posts
- orthodontic bands and aids

Advantages

- Excellent adhesion to the dental structure
- Precise marginal fit
- Moisture and acid resistant
- Self-adhesive: secure and quick bonding without primer or conditioner
- Excess material can be removed without waiting thanks to optional short-time light polymerisation
- 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 2261 | Dispenser – QuickMix |
| REF 2189 | Mixing tips type 10, 50 pcs. |

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