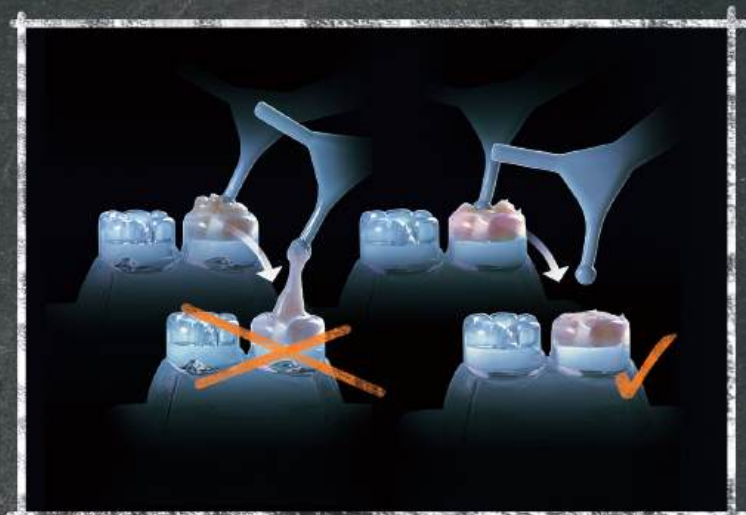


A NEW GENERATION  
OF GLASS IONOMERS:



IONOSTAR® MOLAR

IONOSTAR® PLUS

IONOLUX®

MERON

MERON PLUS

MERON PLUS QM



## Glass Ionomer Restoratives & Cements

NON-STICKY, EASY TO USE, HIGH FLUORIDE RELEASE

## VOCO Glass Ionomers

### NON-STICKY – PACKABLE – HIGH FLUORIDE RELEASE – WEAR RESISTANT – NEW APPLICATION CAPSULE

As a global leader in the manufacturing of dental restorative materials, VOCO has researched and manufactured Glass Ionomers for more than 30 years. Over that time, VOCO has become one of the leading glass ionomer brands in many markets throughout the world.

VOCO Glass Ionomers are different than other brands in that they utilize glass developed to our products' specific requirements, glass that allows for higher translucency and therefore better esthetics. Additionally, this glass technology gives our materials a higher fluoride release and better physical properties. All of VOCO's glass ionomers utilize only a very pure form of poly-acrylic acid that achieves a higher bond strength

to tooth structure and makes the use of an additional dentin conditioner obsolete.

General glass ionomer feedback from the dental market indicated that there was a need for more composite-like handling without the "sticky" phase. VOCO's glass ionomer restoratives provide a solution to this clinical problem as they are non-sticky and can be shaped with an instrument immediately after placement, allowing for a more composite-like handling.

VOCO's direct activation application capsule eliminates the need for an extra activation device. This new direct activation capsule fits in virtually all other branded dispensers.

**VOCO offers a variety of glass ionomers in order to satisfy the needs of every clinician and indication**

	IonoStar Plus	IonoStar Molar	Ionolux	Meron Plus AC	Meron AC	Meron Plus QM
Chemistry	Fast-set GI Restorative	GI Restorative	RMGI <sup>2</sup> Restorative	RMGI <sup>2</sup> Cement	GI Cement	Paste-to-paste RMGI <sup>2</sup> Cement
Mixing time	10 sec.	10—15 sec.	10 sec.	10 sec.	10 sec.	Auto-mixed
Working time	1 min.	1.5 min.	2.5 min.	2 min.	3 min.	2 min.
Setting time	2 min.	3—4 min.	20 s. light curing	3—5 min.	3—5 min.	4 min. 30 sec.
Tack-cure	N/A	N/A	N/A	No	No	Yes
Temporary restorations	•	•	•			
Restorations of deciduous teeth	•	•	•			
Cavity liners	•	•	•			
Core build-up	•	•	•			
Class V cervical restorations	•	•	•			
Class III anterior restorations	•	•	•			
Use on root caries	•	•	•			
Small Class I posterior restorations	• <sup>1</sup>	• <sup>1</sup>	•			
Large class I + II semipermanent posterior restorations	•	•				
Extended fissure sealing	•					
Cementation on / of						
Core build-ups made of dental hard tissue, amalgam, composite and glass ionomers				•	•	
Crowns and bridges all-ceramic made of lithium disilicate, zirconium oxide or aluminium oxide ceramics				•	•	•
Inlays and onlays made from precious metal and non-precious metal				•	•	•
Root posts Metallic				•	•	•
Orthodontic bands				•	•	

<sup>1</sup> non occlusion-bearing class I cavities

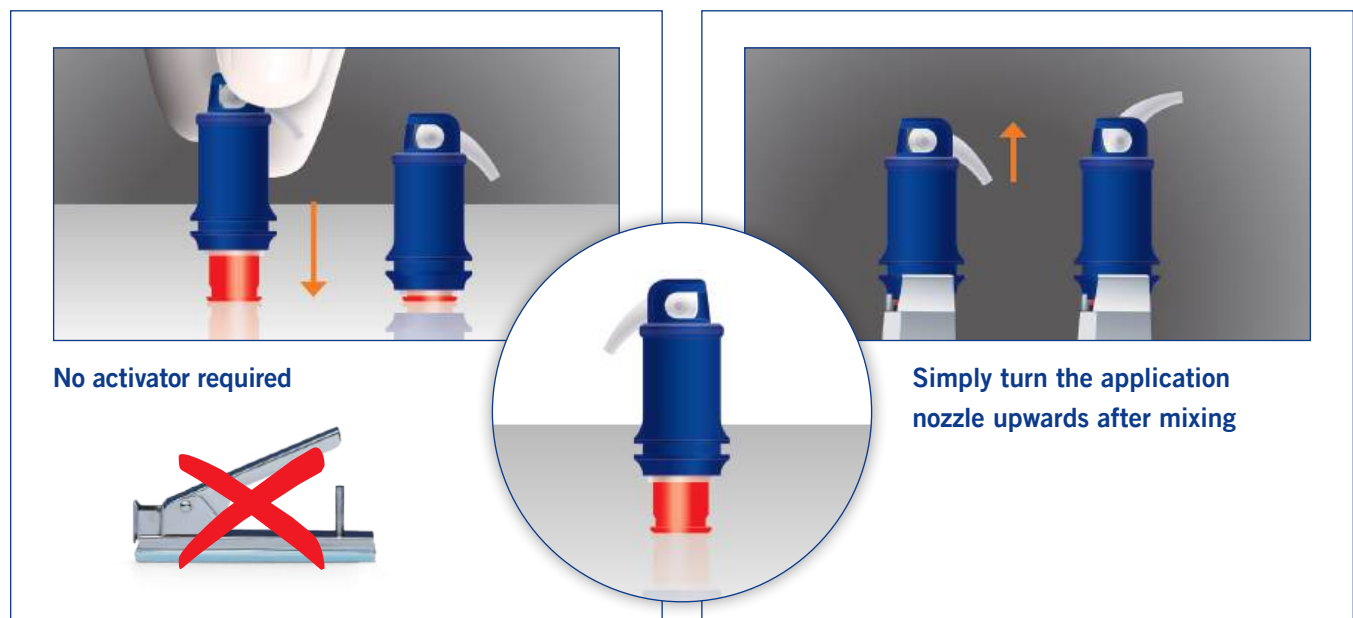
<sup>2</sup> resin modified glass ionomer

## VOCO's Direct Activation Capsule Advantages

### SIMPLIFIED AND EASY TO USE FOR BETTER RESULTS

Many benefits are connected to the use of capsules in restorative treatment with glass ionomer materials. These include:

- GI components are contained in optimum proportions and are thoroughly mixed
- Air inclusions (air bubbles) are minimized
- Mixing errors that negatively affect the products' physical properties, impairing clinical success are reduced
- Fits virtually all other branded glass ionomer applicators/dispensers



#### Extremely simple application without the need for an activator

An application capsule comprises two components. The first is the capsule body, which contains the powder. The second is the capsule plunger of contrasting color, which contains the liquid. The capsule can be activated by simply pressing it down on a hard surface (e.g., table) using your hand. The colored liquid plunger is pushed into the powder chamber, thus bringing the powder and liquid together.

The capsule is then mixed in a capsule mixing device at a (mixing) frequency of 4,000 to 4,500 oscillations per minute.

#### Opening the capsule

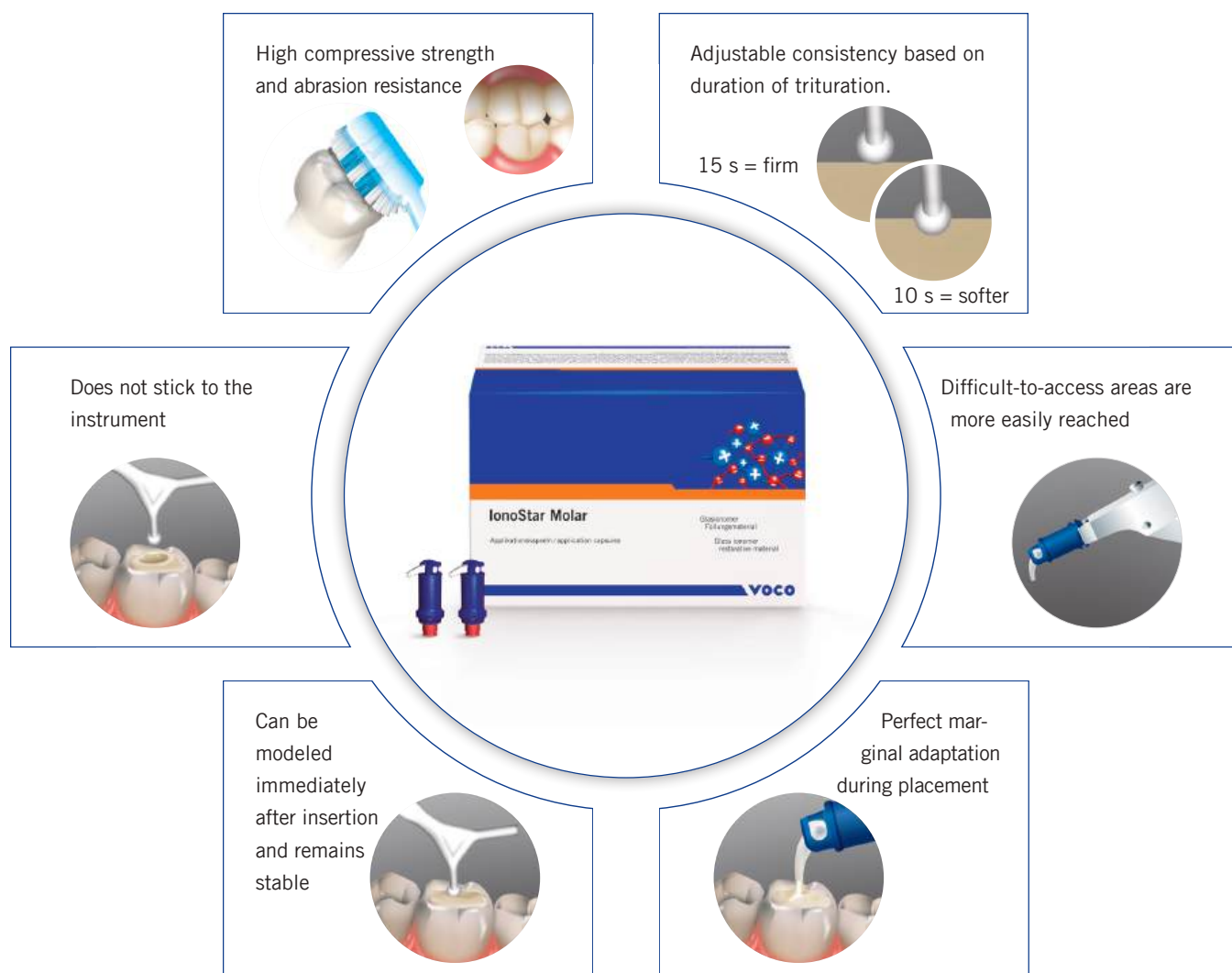
After successfully mixing, the capsule is opened by raising the outlet. In doing so, it is important that the application tip is raised until it meets resistance so that the capsule is opened correctly and the material easily passes through the tip. The capsule can now be inserted into the applicator. If the tip needs to be pointed in a certain direction within the applicator, be sure to rotate the entire capsule to achieve the desired positioning of the tip.

The VOCO Glass Ionomer materials have been formulated so that they can be applied immediately after mixing without any delay.

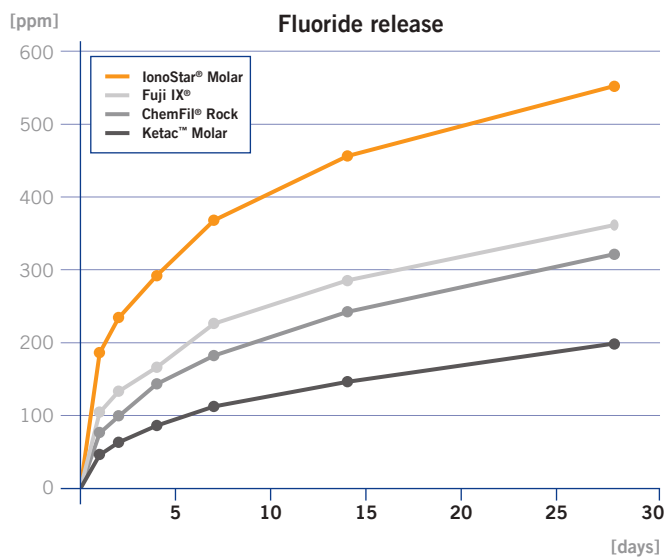
## IonoStar® Molar

### IMMEDIATELY PACKABLE GLASS IONOMER RESTORATIVE MATERIAL

It is rare to find a glass ionomer material that is not only easy to apply, but also offers ease-of-use such as the ability to be condensed immediately after application. This is where IonoStar Molar comes in, the glass ionomer restorative with ideal non-stick handling and much more. IonoStar Molar is non-sticky, immediately packable after application and allows for an adjustable consistency by varying the mixing duration of the high-frequency mixer. This provides a solution for practitioners that need flexibility in regards to consistency (softer or firmer) to accommodate the clinical demand. Below are other benefits IonoStar Molar offers.



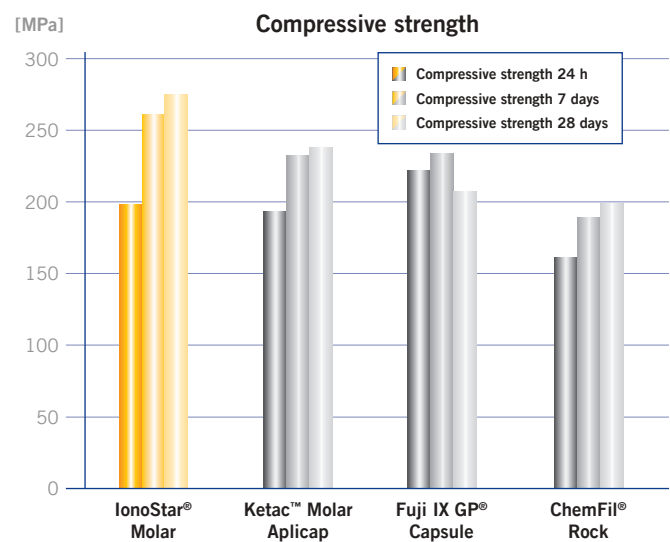
Beyond handling and controlled consistency are IonoStar Molar's material properties, represented by its high compressive strength and abrasion resistance, as well as VOCO's proven Glass Technology, which has been firmly established for many years in VOCO's trusted glass ionomers.



Source: In-house measurement

The fluoride released by IonoStar Molar effectively prevents secondary caries.

Ketac Molar, Ketac Fil Plus, Fuji IX GP, and ChemFil Rock are not registered trademarks of VOCO GmbH.



Source: In-house measurement

The compressive strength of glass ionomers increases over the course of the retention time as the material continues to mature and becomes firmer in the process.



## NON-STICK HANDLING

IonoStar Molar incorporates VOCO's ideal glass ionomer handling, providing a non-stick experience when condensing the material. This reduces stress and saves time for both the practitioner and the patient.



## Indications

Restorations of non occlusion-bearing class I cavities  
Semi-permanent restorations of class I and II cavities  
Restorations of cervical lesions, class V cavities, root caries  
Restorations of class III cavities  
Restoration of deciduous teeth (permanent)  
Base / liner  
Core build-up  
Temporary restorations

## Advantages

- Does not stick to instrument for ease of application
- Adjustable consistency so you can pick your preference
- Perfect wetting behavior for excellent marginal adaptation
- Immediately packable, can be shaped immediately after application and remains stable
- High translucency enables better esthetic results
- Excellent physical properties support long-lasting restorations
- High fluoride release that minimizes secondary caries

## Presentation

REF 2520	Kit application capsule 50 pcs. (10 × A1, 30 × A2, 10 × A3)
REF 2524	Application capsule 20 pcs. A1
REF 2525	Application capsule 20 pcs. A2
REF 2526	Application capsule 20 pcs. A3
REF 2532	Bulk Pack: Application capsule 150 pcs. A2
REF 2533	Bulk Pack: Application capsule 150 pcs. A3
REF 2331	Applicator – AC type 1
REF 2334	Applicator – AC type 2

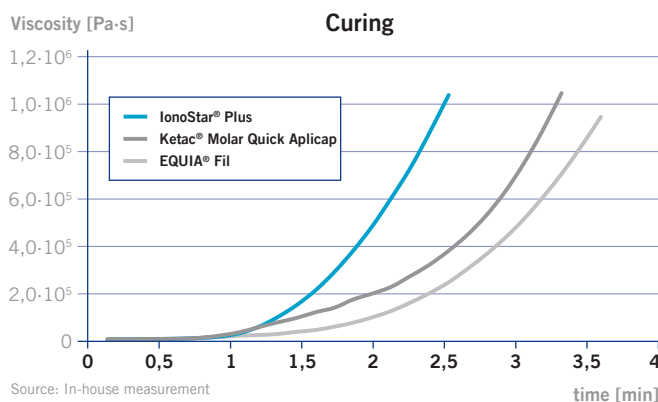


## IonoStar® Plus

### FAST-SETTING, IMMEDIATELY PACKABLE GLASS IONOMER RESTORATIVE

IonoStar Plus is a fast-set glass ionomer restorative material with numerous special features. Its advantages begin when dispensed from VOCO's easy-to-use direct activation capsule, from which initial wetting characteristics result in optimal marginal adaptation. IonoStar Plus then becomes immediately packable without sticking due to a change in its viscosity within seconds after placement. These formulized changes provide the ideal viscosity at each stage of application.

IonoStar Plus' fast-set of just two minutes allows work to continue immediately after condensing and shaping. This advantage shows its value particularly well when treating patients with low compliance such as children.

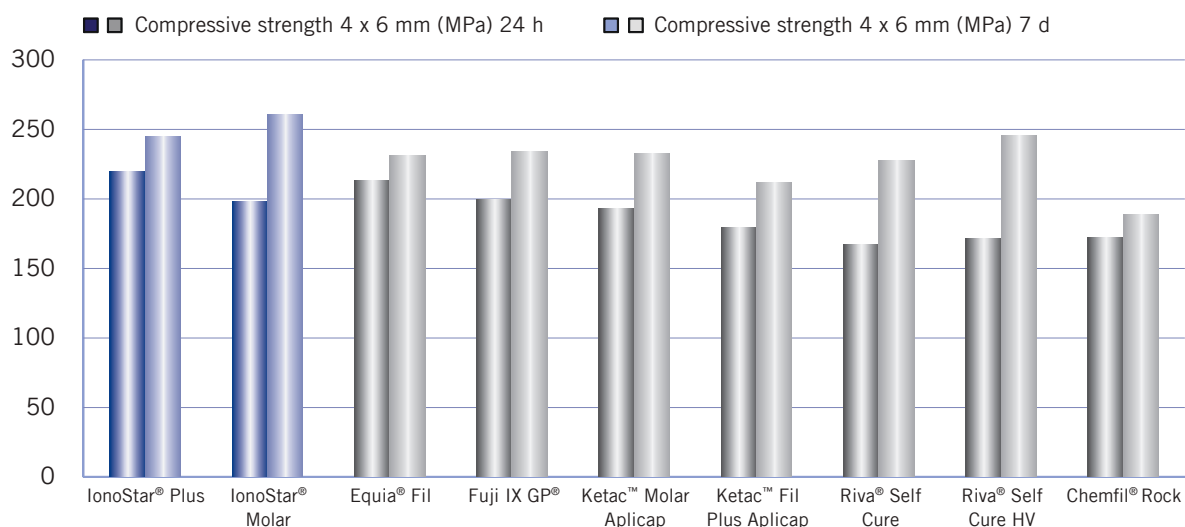


The diagram shows the curing behavior of the tested materials, measured by rheometer at 98.6 °F mouth temperature. Thanks to its initial low-viscosity and consistency, IonoStar Plus adheres perfectly to the cavity walls. It then sets rapidly, resulting in only a short wait before the finishing process can begin.

EQUIA® Fil and Ketac® Molar Quick Aplicap are not registered trademarks of VOCO GmbH.

### ENHANCED PHYSICAL PROPERTIES TO SUPPORT LONG-LASTING RESTORATIONS

#### High Compressive Strength

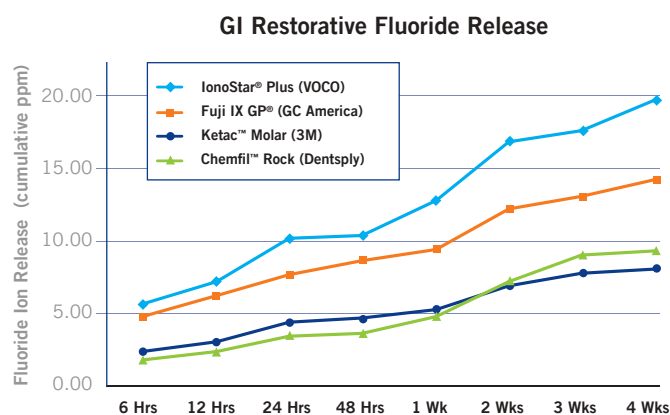


Source: Internal measurement

Ketac Molar, Ketac Fil Plus, Fuji IX GP, Equia Fil, Riva Self Cure, and ChemFil Rock are not registered trademarks of VOCO GmbH.



IonoStar Plus is the first glass ionomer material to possess the fluorescence of a natural tooth, perfecting a naturally esthetic appearance. This fluorescence makes the material ideally suitable for anterior restorations, which have these same esthetic requirements.



Tufts University School of Dental Medicine – March 2016  
VOCO is not the owner of the above trademarks

## HIGH FLUORIDE RELEASE

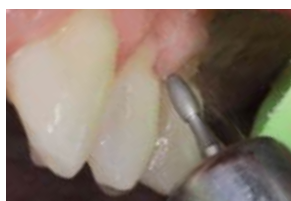
In March 2016, Tufts University's Dental School tested the fluoride release of the top glass ionomer restoratives within the US market. As the chart shows, VOCO's IonoStar Plus was clearly superior in this study. IonoStar Plus had approximately 33% higher fluoride release than the next closest glass ionomer material.

This is significant as one of the top reasons practitioners turn to glass ionomer restoratives is for that fluoride release and the benefits it offers the patient and restoration over time.

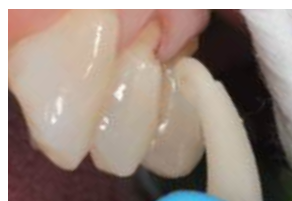
## CLINICAL CASE



Defects on teeth 12 and 13



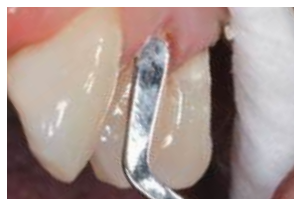
Preparation



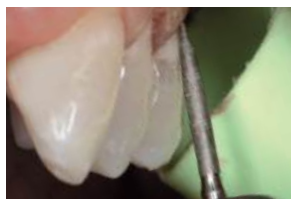
Application of IonoStar Plus



Packable viscosity



Working the restoration



Finishing



Polishing



Result

Source: Dr. Walter Denner, Fulda / Germany



## Indications

Restorations of non occlusion-bearing class I cavities  
 Semi-permanent restorations of class I and II cavities  
 Restorations of cervical lesions, class V cavities, root caries  
 Restorations of class III cavities  
 Restoration of deciduous teeth (permanent)  
 Base / liner  
 Core build-up  
 Temporary restorations  
 Extended fissure sealing

## Advantages

- Fast set time saves valuable chair time
- Does not stick to instrument for ease of application
- Two stage consistency for easy adaptation yet still packable
- Perfect wetting behavior for excellent marginal adaptation
- High translucency for better esthetic results
- Tooth-like fluorescence for better esthetic results
- Excellent physical properties support long-lasting restorations
- High fluoride release minimizes secondary caries

## Presentation

REF 2540	Kit application capsule 50 pcs. (10 × A1, 30 × A2, 10 × A3)
REF 2548	Application capsule 20 pcs. A1
REF 2543	Application capsule 20 pcs. A2
REF 2544	Application capsule 20 pcs. A3
REF 2545	Application capsule 20 pcs. A3.5
REF 2546	Bulk Pack: Application capsule 150 pcs. A2
REF 2547	Bulk Pack: Application capsule 150 pcs. A3
REF 2331	Applicator – AC type 1
REF 2334	Applicator – AC type 2



## Ionolux®

### LIGHT-CURED GLASS IONOMER RESTORATIVE WITH COMPOSITE-LIKE ESTHETICS

Ionolux is a light-cured resin modified glass ionomer restorative characterized by a broad range of indications, an enhanced level of esthetics, improved handling for ease-of-use during placement, and outstanding physical properties.

#### Light-cured AND immediately packable

Ionolux is a light-cured glass ionomer material that allows practitioners to begin condensing and shaping the material immediately after dispensing/placing the glass ionomer in the restoration. This unique feature allows practitioners to decrease their procedure time and increase the procedure's ROI. When combined with Ionolux's ability to be light-cured, these features provide more control for the dentist while still delivering the benefits of a fluoride-releasing glass ionomer restoration.



#### Composite-like esthetics

Ionolux has enhanced esthetics that allow practitioners to offer a great fluoride-releasing solution to their patients without sacrificing the esthetics of the restoration. This allows the practitioner to provide an overall higher quality of care to both their general patient population as well as the specific demographics within that patient population that need it most (pediatric & geriatric).

#### Clinical cases

##### Case 1

Source: Dr. Isma Goltz, Bremen / Germany



Tooth 20 with cervical defect



Tooth 20 immediately after treatment

##### Case 2

Source: Prof. Hervé Tassery, PU-PH, Faculty of Odontology, University of Marseille / France

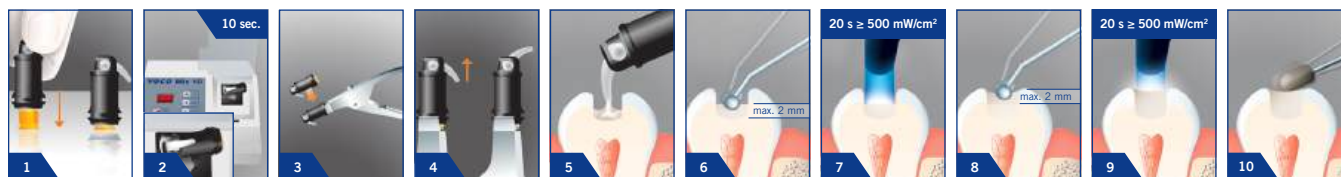


Teeth 3, 4 after excavation



Subsequent treatment with Ionolux

Ionolux allows for less steps and decreased procedural time as no conditioning is necessary when placing it in the restoration.



### Pediatric & Geriatric dentistry

Ionolux caters to those who need treatments that limit the necessary steps to the absolute minimum, such as the pediatric and geriatric populations. Ionolux helps keep the relative “stress” involved with necessary procedures to a manageable level for both patients and practitioners. No conditioning is required, setting time is minimized with the light-cure, and as a resin modified glass ionomer, no adhesive step is required.

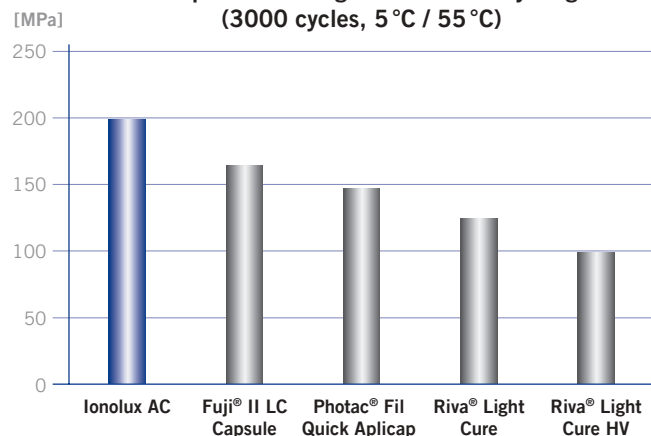


### Strong physical properties

The physical properties of any material will be the determining factor as to the results and benefits it can provide both the practitioner and their patients. Ionolux offers improved physical properties compared to the market-relevant glass ionomers

currently available, as seen below in compressive strength after thermo-cycling and water solubility (two key attributes within the category of resin modified glass ionomers). Ionolux provides results that reflect improved benefits to both the practitioner and the patient.

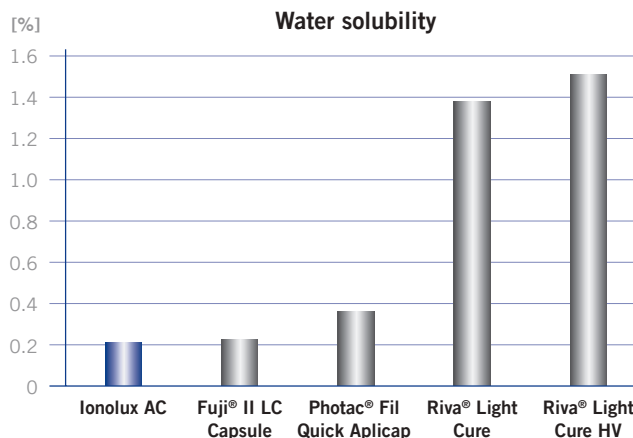
**Compressive strength after thermocycling  
(3000 cycles, 5 °C / 55 °C)**



Source: VOCO in-house measurement 2015

Fuji II LC, Photac Fil Quick, Riva Light Cure, and Riva Light Cure HV are not registered trademarks of VOCO GmbH.

**Water solubility**



Source: VOCO in-house measurement 2015

## Indications

Class III and V restorations, primarily cervical fillings and root caries

Restoration of deciduous teeth

Small class I restorations

Temporary restorations

Core build-ups

Linings

## Advantages

- Composite-like esthetics
- Light-curing for fast finish
- Immediately packable after application
- Does not stick to the instrument, easy to shape
- Excellent translucency for better esthetic results
- High fluoride release minimizes secondary caries
- Highly radiopaque
- No dentin conditioner or adhesive needed

## Presentation

REF 2115	Kit application capsule 50 pcs. (10 × A1, 30 × A2, 10 × A3)
REF 2117	Application capsule 20 pcs. A1
REF 2118	Application capsule 20 pcs. A2
REF 2119	Application capsule 20 pcs. A3
REF 2120	Application capsule 20 pcs. A3.5
REF 2121	Application capsule 20 pcs. B1
REF 2122	Bulk Pack: Application capsule 150 pcs. A2
REF 2123	Bulk Pack: Application capsule 150 pcs. A3
REF 2331	Applicator – AC type 1
REF 2334	Applicator – AC type 2



## Merlon Plus (AC)

### OPTIMAL ADHESION TO ZIRCONIA WITH A LOW FILM THICKNESS

Merlon Plus, the resin modified glass ionomer (RMGI) cement, combines the advantages of tried and tested glass ionomer and composite cement technologies. Thanks to its excellent physical properties, the RMGI cement can be used for permanent cementation of all crowns, bridges, inlays and onlays made of metal, veneer ceramic and all-ceramics. Merlon Plus is ideally suited for cementing high-strength zirconium oxide ceramics. Additionally, Merlon Plus is available in VOCO's easy-to-use application capsule that eliminates the need for an activator.

A study conducted by the University of Mainz in Germany measured the pull-off strength of different cementation materials (glass ionomer cements, resin modified glass ionomer cements and composites) following the cementation of zirconium dioxide crowns. While VOCO's pure glass ionomer cement, Merlon, delivered excellent values, it was Merlon Plus AC that achieved the best values out of all of the materials across all the various cement categories included in the study. Merlon Plus AC is ideal for the cementation, or luting, of high-strength ceramic crowns.

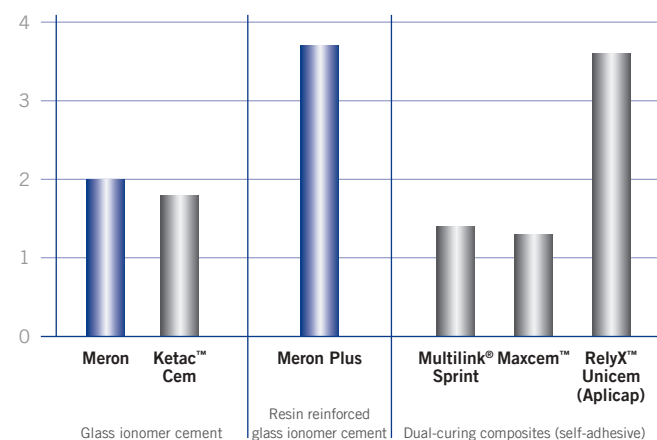
Merlon Plus is unique among RMGI cements as it does not require the additional step of placing a conditioner on the surface of the prepped tooth, yet it delivers high RMGI cement adhesion values – a benefit that saves both the practitioner and patient time and money. Additionally, the added adhesion values allow its use in cases of low retention (e.g., short, tapered cores) as well as the cementation of orthodontic bands and root posts.

Merlon Plus' low film thickness at 11  $\mu\text{m}$  provides yet another benefit, making it easier to place restorations with accuracy and precision. Initially thixotropic before becoming more of a viscous consistency, Merlon Plus

avoids unwanted run-off while maintaining a long elastic phase that makes the removal of any excess material remarkably simple.

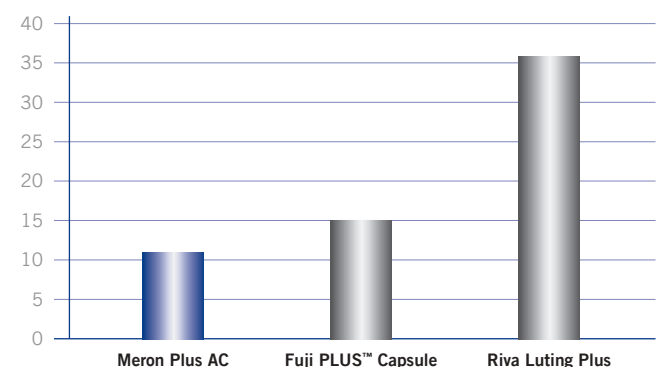
Yet another "plus" is the low solubility of the cement.

[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 %AI
Usable cement	min. 0.14 ml
Working time	2 min.
Setting time	3–5 min.

Ketac Cem, Multilink Sprint, Maxcem, RelyX Unicem, Fuji PLUS, and Riva Luting Plus are not registered trademarks of VOCO GmbH.

## Meron Plus (AC)

### RESIN MODIFIED GLASS IONOMER CEMENT

#### Advantages

- High adhesion values when compared with conventional glass ionomer cements
- Precise marginal fit
- Thixotropic: Very good wetting behavior 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

##### Meron Plus

REF 1731\* Powder 15 g

REF 1732\* Liquid 10 ml

\* Ref 1731 and 1732 are not available in CANADA

##### Meron Plus AC

REF 1736\* Application capsule 50 pcs.

REF 1737\* Application capsule 150 pcs.

REF 2331 Applicator – AC type 1

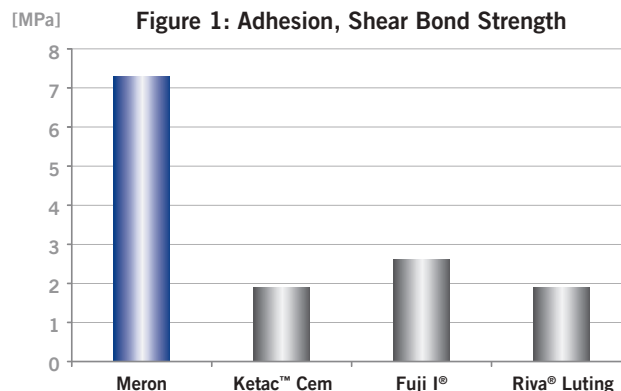
REF 2334 Applicator – AC type 2

\* Ref 1736 and 1737 are not available in CANADA

## Meron (AC)

### PROVEN GLASS IONOMER CEMENT

Meron, a glass ionomer cement with many benefits, has long been a leader within its category at the global level, with millions of restorations placed in the last year alone. Meron flows and provides optimal wettability when initially dispensed within the restoration, but then firms and stabilizes during seating of the restoration within the oral cavity. With a film thickness of just 15 µm, Meron enables a precise fit and avoids unnecessary occlusal adjustments. Additionally, Meron provides bond strengths (Figure 1) more than twice that of other glass ionomer cements. With its accelerated and significantly higher fluoride release combined with its enhanced translucency, Meron provides valuable benefits to both the practitioner and the patient.



Source: Internal measurement

Riva Luting, Ketac Cem and Fuji I are not registered trademarks of VOCO GmbH.



## Merlon (AC)

### GLASS IONOMER CEMENT

#### Advantages

- Excellent flow properties for enhanced wetting behavior
- Low film-thickness that saves occlusal adjustment time
- High translucency for esthetic results with ceramic
- Easy excess removal to save time
- High fluoride release minimizes secondary caries
- High bond strength for higher success rates
- More available glass ionomer material per capsule so that one capsule is enough for larger restorations

#### Presentation

REF 1242	Application capsules 50 pcs.
REF 1243	Application capsule 150 pcs.
REF 1086*	Set powder / liquid (35 g / 15 ml)
REF 1090*	Set mini powder / liquid (15 g / 7 ml)

\* Ref 1086 and 1090 are not available in CANADA

The **Glass Ionomer Mixer** offers a modern design, is quiet and virtually vibration-free. Generating 4,600 rpm, it creates a particularly homogeneous mixture of powder and liquid. Simple and straightforward, the GI Mixer has an adjustable mixing time of 0-99 secs, with a user-friendly capsule holder for stress-free insertion and removal.

The **AC Applicator type 1** is an application forceps for inserting the contents of a VOCO application capsule directly into the cavity.

The **AC Applicator type 2** is a low force, ergonomically designed dispenser for administering the contents of a VOCO application capsule (AC) directly into the cavity.

Both devices are made to VOCO high quality standards and are extremely easy to operate.

#### Presentation

REF 2331	Applicator – AC type 1
REF 2334	Applicator – AC type 2
REF 9050	GI Mixer - 1 pc.



#### Technical data

Film thickness	16 µm
Radiopacity	200 %Al
Extractable amount	approx. 400 mg
Working time	3 min. (73 °F / 23 °C)
Setting time	3–5 min. (99 °F / 37 °C)

#### Glass Ionomer Mixer



#### AC Applicator type 1



#### AC Applicator type 2



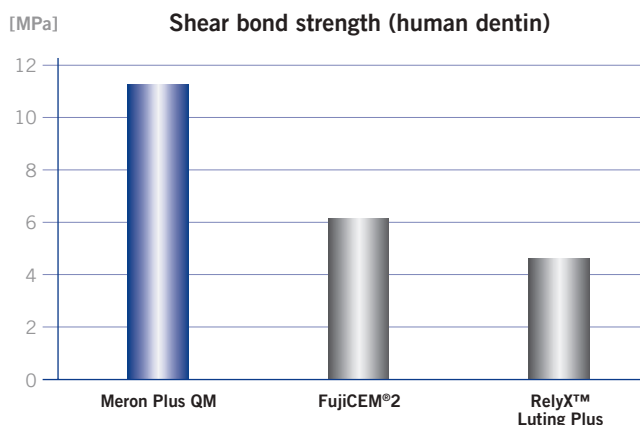
## Meron Plus QM

### PASTE-TO-PASTE AUTOMIX RMGI CEMENT WITH ENHANCED ADHESIVE VALUES

VOCO introduces the newest member of the Meron Plus family in Meron Plus QM, a paste / paste resin modified glass ionomer cement that stands out among other brands for 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

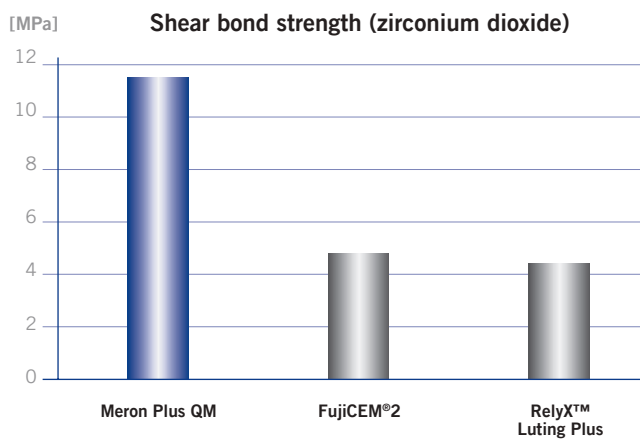
As studies indicate, Meron Plus QM is a leader in adhesive values. For example, Meron Plus QM's shear bond strength on human dentin is 11.3 MPa, which is almost twice that of the leading brand. This provides an additional safety factor for the practitioner and the patient even in cases of low retention 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

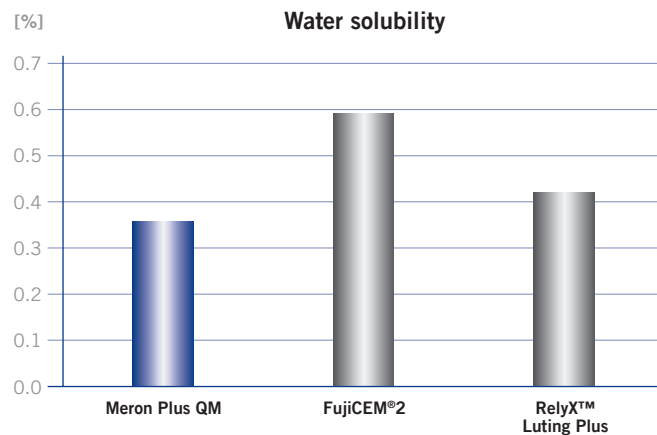
## Meron Plus QM

### 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

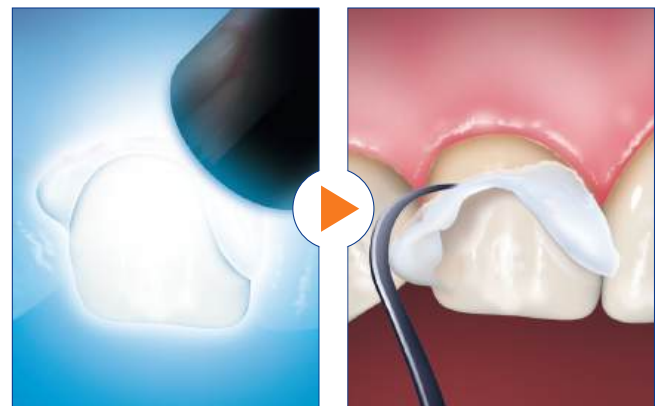
For durable, long-lasting, secure cementation, the water solubility of the cement, along with the adhesion values is of crucial importance. The objective is low water solubility in order to avoid decementation due to moisture penetration via the cement joints – even if they are small. Meron Plus QM, with its low water solubility, 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. Briefly light-cure the excess material (approx. 5–10 s per segment) and remove directly. The curing of the remaining material remains unaffected.



## Meron Plus QM

### OPTIMIZED COMPOSITION AND DELIVERY FOR HIGH-QUALITY RESULTS

In addition to the high adhesive values and simple clean-up, Meron Plus QM offers clear advantages for everyday use via its convenient 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.

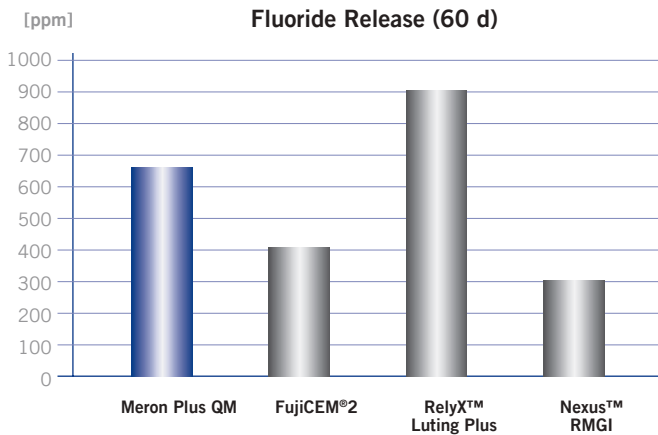
#### The QuickMix syringe – for easy and precise delivery

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 for 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. Together with Meron Plus QM's low film thickness, this satisfies the basic requirements for an accurately-fitting insertion.

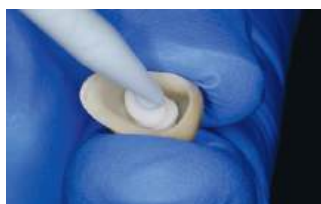
Like all products in the Meron Plus family, Meron Plus QM is self-curing in addition to its unique ability to accept a tack cure. Once the gel phase is achieved (whether through a light-cure or self-curing), the excess material can be removed simply and cleanly.

- ◀ 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.

## Meron Plus QM

### RESIN MODIFIED GLASS IONOMER CEMENT

#### Clinical Case



Application of Meron Plus QM in 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

#### 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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