

Cementation Communication news Restorative Cleaning Agent and Primer

Ivoclar Vivadent has created a single solution for cleaning and conditioning restorative surfaces prior to bonding. Their universal application streamlines the procedure for all types of restorative materials minimizing confusion and providing a better result for the patient.



Ivoclean Refill
637568 1 (5g) bottle

Ivoclean™

Ivoclean is a universal cleaning paste that effectively cleans the bonding surfaces of all types of indirect restorations after intraoral try-in. Ivoclean creates optimum conditions for the adhesive luting procedure for maximum bond strength.

While phosphoric acid may be used to clean the surface of glass ceramic restorations, its surface-deactivating effect on zirconium-oxide ceramics and base metal alloys inhibits bonding. In a study, restorations cleaned with Ivoclean after

intraoral try-in demonstrated the highest bond strengths when compared to other cleaning methods, regardless of material type.

- Allows the try-in of pretreated restorations
- Reliable performance on ALL dental restorative materials
- Easy to use and economical

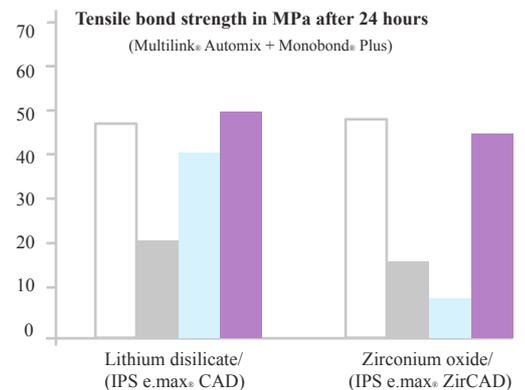


Monobond Plus Refill
626221 1 (5g) bottle

Monobond™ Plus

Monobond Plus is a truly universal restorative primer. The combination of three different functional groups; silane methacrylate, phosphoric acid methacrylate and sulfide methacrylate enable a strong and durable bond to all restorative materials including:

- Glass-ceramics
- Zirconium-oxide ceramics
- Aluminum-oxide ceramics
- Base-metal alloys
- Noble-metal alloys
- Composites (indirect restorations)



Following saliva contamination cleaned with: clean water phosphoric acid Ivoclean

R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2011

FEATURE	BENEFIT
Universal application; one cleaning agent & one primer for all types of restoratives	Economical, minimizes inventory
One procedure time for all types of restoratives	Simplified application
Stable chemistry	No refrigeration required

ONE simple procedure for all types of restoratives

Step by Step Instructions

news



1

After try-in, thoroughly rinse the restoration with water spray and dry with oil-free air.



2

Cover the entire bonding surface of the restoration with a layer of Ivoclean using a microbrush.



3

Allow 20 seconds for the cleaning action of Ivoclean to take effect.



4

Thoroughly rinse with water spray.



5

Dry with oil-free air.



6

Apply Monobond Plus to the pre-treated surfaces and allow it to react for 60 seconds.



7

Disperse excess with a strong stream of air. Dispense cement into restoration and seat.



Multilink Automix

Ivoclar Vivadent's proven universal adhesive cement is fast, simple and reliable.

Multilink Automix is a self-curing luting composite (with light-curing option) indicated for the adhesive cementation of indirect restorations. In addition to strong, reliable bonding to all restorative materials, the hallmarks of Multilink Automix are its fast and easy application and clean-up, as well as greatly reduced post-operative sensitivity.

Truly Universal

According to respected clinician and educator Dr. John C. Cranham, acting clinical director at The Dawson Academy, "Calling Multilink Automix 'universal' is not an overstatement. It can be used to cement any indirect restoration – inlays, onlays, crowns, bridges, endodontic posts – made of any material."

Dr. Cranham explained that all-metal and PFM restorations need a fast, reliable self-curing cement. Composite and fiber-reinforced composite (FRC) as well as reinforced all-ceramics (zirconium and aluminum oxide) have restricted or hampered access to light, so they require a cement with dual-curing initiators. All-ceramic (silicate) restorations require cement that provides high immediate bond strength, good marginal adaptation, and effective sealing of the dentin. Multilink Automix meets all of these demands.

Know your Chemistry

Multilink Automix's chemistry incorporates patented, hydrolytically stable acidic monomers. This formulation is the foundation for generating high immediate bond strengths and durable adhesion to dentin and enamel for long-term security. Dr. Cranham noted that within 5 minutes, Multilink Automix establishes a reliable and long-lasting bond.

Ease Of Use

Multilink Automix was introduced in 2004 and became an immediate market leader because of its performance, but Ivoclar Vivadent didn't rest on its laurels. In early 2009, the company introduced the "Easy Clean-up" formulation, which offers easier removal of excess material, while retaining all the original beneficial properties. Excess material can be light cured for 1 to 2 seconds per quarter surface (mesio-lingual, disto-lingual, mesio-buccal, disto-buccal), transforming the material to a gel-like consistency for fast, easy removal. According to Dr. Cranham, this makes Multilink Automix perfect for dentists who like to procure excess cement. The Automix delivery system further simplifies cementation. It enables exact dosing with less waste, because only the amount of required material is dispensed. The Automix system creates a

consistent mix every time without hand mixing, capsule activation, nor additional application tools or devices. Primer application is

easy, too, said Dr. Cranham. A quick, 15-second application of the self-etching, self-curing Multilink A & B Primer seals dentin, while providing good marginal adaptation and high immediate bond strength.

Choices

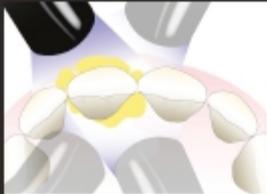
Multilink Automix is available in 3 shades – transparent, yellow, and white opaque – to meet all clinical and esthetic situations. Complete kits are available containing all necessary materials and accessories, as are refills of all components.

Innovation

Over the years, thousands of dentists have discovered the reliability and ease of use of Multilink Automix. In fact, according to the Strategic Dental Marketing data, Multilink Automix is the number 1 adhesive resin cement. Keeping to the Ivoclar Vivadent tradition of innovation, look for this versatile adhesive resin cement to continue its evolution for stronger bonds, simpler handling, and even more satisfied patients.

Multilink Automix Step-by-Step

			
Ceramic Treatment - Step 1	Ceramic Treatment - Step 2	Tooth Treatment - Step 1	
<ul style="list-style-type: none"> • Apply IPS Ceramic Etching Gel (5% HF acid) to the bonding surface of the restoration.* Allow it to react for: <ul style="list-style-type: none"> • 60 sec. –IPS Empress® • 20 sec. –IPS e.max®-Lithium Disilicate • Rinse thoroughly. • Air dry. <small>*Generally performed by the laboratory.</small>	<ul style="list-style-type: none"> • Apply Monobond® Plus to the bonding surface of the restoration. Allow it to react for 60 sec. • Air dry. 	<ul style="list-style-type: none"> • Mix Multilink® Primer A and Primer B in a 1:1 ratio (i.e. 1 drop of each). 	

			
Tooth Treatment - Step 2	Seat	Clean-up	Final Cure
<ul style="list-style-type: none"> • Using a brush, scrub self-etching Primer mixture into the preparation surface. • Scrub for 30 sec. on enamel, 15 sec. for dentin. • Thoroughly air dry. 	<ul style="list-style-type: none"> • Apply Multilink® Automix cement directly to the restoration. • After seating, light-cure each quarter surface for 1-2 sec. The cement will achieve a gel-like consistency for easy clean-up. 	<ul style="list-style-type: none"> • Excess material can be easily removed with a scaler. 	<ul style="list-style-type: none"> • Utilize Liquid Strip to eliminate oxygen-inhibition layer (optional). • Light cure all margins for 20 sec.