

**NEXT GENERATION**

# Multilink<sup>®</sup> Automix

Adhesive Cementation System

A strong  
bond,  
proven performance.



Clinically proven for  
**IPS e.max<sup>®</sup>**

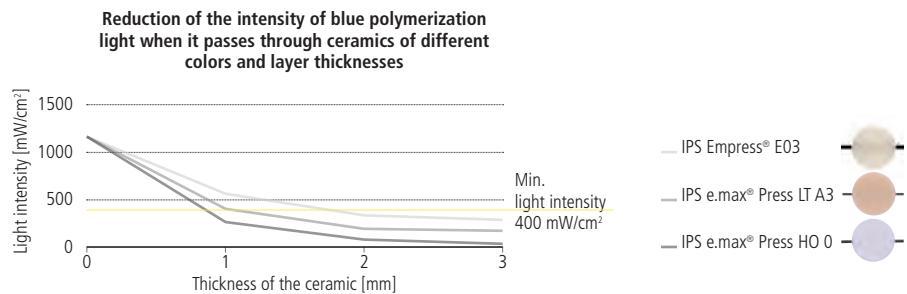
**ivoclar**  
**vivadent**  
passion vision innovation

# Multilink® Au

## STRONG HOLD

A wide variety of restorative materials are available today. Due to their different properties, they demand modern, universal high-performance cementation systems with well-balanced properties.

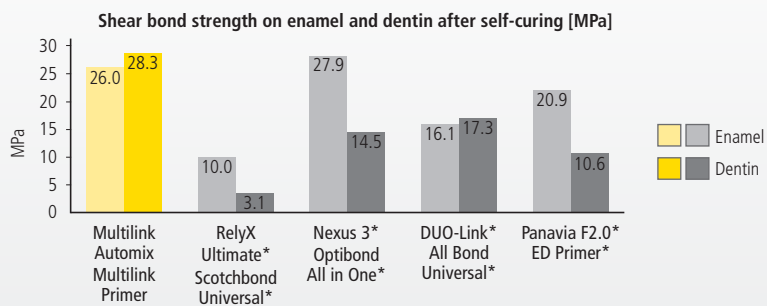
Moreover, the current high-performance dental ceramics come in different levels of translucency, ranging from highly translucent to opaque. The opaque ceramics, and in some cases also the translucent yellowish versions, impair the passage of light and considerably reduce the effectiveness of curing lights.



R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2009

As a result, luting cements must have light-cure as well as self-cure properties to establish a sound bond to dental restorations.

The Multilink Automix System fulfills these expectations with regard to high bond strength and long-lasting adhesion of the restoration to the tooth structure. This is due to the patented, hydrolytically stable phosphonic acid monomers contained in the product and the "balanced performance" initiator system. Multilink Automix is characterized by its outstanding and well-balanced adhesion, regardless of whether it is light-cured or self-cured.



R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2012, application according to the directions for use.  
\*These brands are not registered trademarks of Ivoclar Vivadent AG.

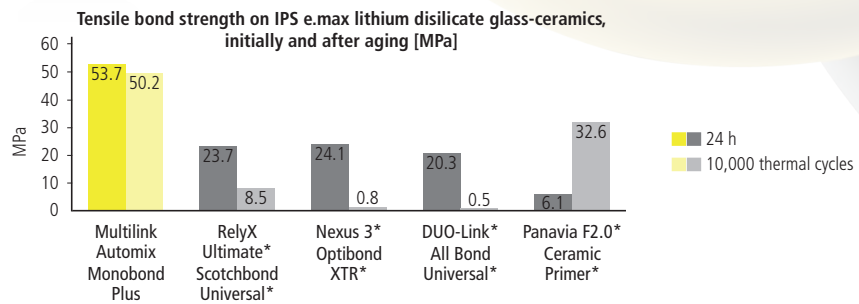
## UNIVERSAL APPLICATION



Together with the innovative universal primer Monobond Plus, Multilink Automix is used to cement indirect restorations made of ALL types of materials.

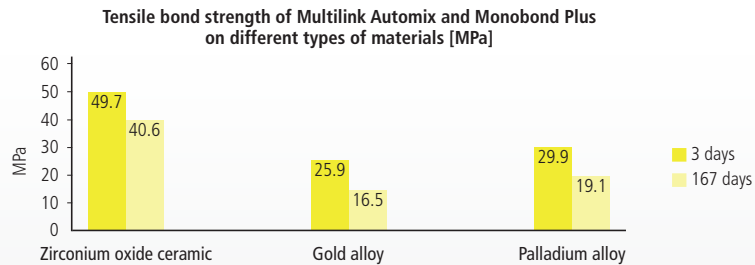
As a result of the excellent bond achieved to glass-ceramics, this system has shown to be far superior to other luting systems featuring universal adhesives.

Multilink Automix attains very high initial bonding values on IPS e.max lithium disilicate glass-ceramics. These values are maintained even after aging through thermocycling.



R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2012; application according to the directions for use.  
\* These brands are not registered trademarks of Ivoclar Vivadent AG.

Apart from generating an excellent bond to glass-ceramics, the patented combination of functional methacrylates in Monobond Plus is responsible for establishing a sound and durable bond to oxide ceramics, base metal and precious metal alloys.



Azimian F, Klosa K, Kern M; Department of Prosthodontics, Propaedeutics and Dental Materials, School of Dentistry, Christian Albrechts University, Kiel, Germany; Evaluation of a new universal primer for ceramics and alloys; J Adhes Dent. 2012 Jun;14(3): 275-82.



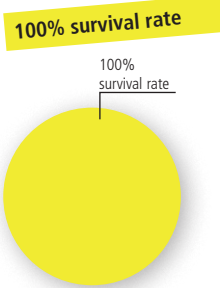
# Multilink® Au

## CLINICALLY PROVEN

Multilink Automix has achieved very good results in numerous clinical studies, some of which have been conducted over a long period of time. For example, the survival rate of restorations in terms of adhesion was 99% (9 studies, 291 restorations).

### Study on Multilink Automix and IPS e.max CAD

Head of study: F. Beuer, LMU Munich, Germany



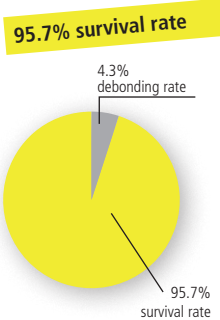
Summary:

Fifteen full contour or partially cut back IPS e.max CAD lithium disilicate restorations were cemented with Multilink Automix. After four years in situ, the survival rate was 100%. Not a single case of hypersensitivity or debonding was recorded. After an average observation period of four years, none of the monitored restorations had come loose.

In combination with IPS e.max CAD, Multilink Automix showed superior clinical performance over a four-year period.

### Study on Multilink Automix and IPS e.max CAD

Head of study: J. Fasbinder, University of Michigan, USA



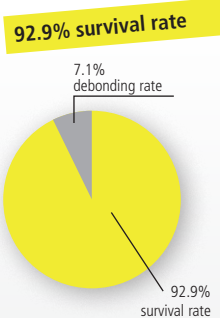
Summary:

Twenty-three IPS e.max lithium disilicate crowns (premolar and molar) were milled at the chairside with the CEREC 3D equipment and cemented with the adhesive technique using Multilink Automix. After four years, the clinical results were acceptable. One case of debonding was reported after three years. This crown was re-cemented with Multilink Automix.

IPS e.max CAD crowns that were cemented with Multilink Automix showed outstanding clinical performance over a period of four years. None of the restorations failed.

### Study on Multilink Automix and the adhesive cementation of cantilever bridges made of zirconium oxide ceramics

Head of study: M. Kern, University of Kiel, Germany



Summary:

Fourteen anterior cantilever bridges made of zirconium oxide ceramic were cemented with the adhesive technique using Multilink Automix in combination with Metal/Zirconia Primer. After 20.8 months, one restoration became loose in an accident. This bridge was successfully re-cemented with the original luting material. If this type of accidental debonding is considered to be a technical (partial) failure, the survival rate after three years established with the SPSS software according to the Kaplan-Meier survival probability is 92.9%. If only the permanent loss of a bridge is assessed as a failure, but the renewed cementation is considered to be a success, the survival rate after three years is 100%.

Within a 20.8-month period, only one bridge cemented with Multilink Automix became loose as a result of an accident. A total of 14 bridges were cemented in this way. As a result, the survival rate of the restorations is 92.9%. The loosened bridge was re-cemented with Multilink Automix. After three years, it is still in situ.



Additional study results are provided in the Multilink Automix Scientific Report.

# tomix

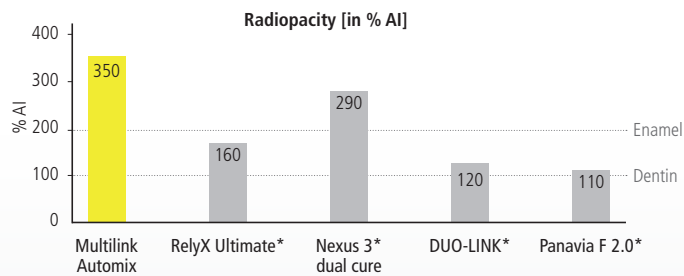
## FAST, EASY APPLICATION

Since they were introduced in 2004, Multilink and Multilink Automix have been used to place more than 10 million indirect restorations.



Clinical case: Ronny Watzke, Dentist; Franz Perkon, Dental Technician

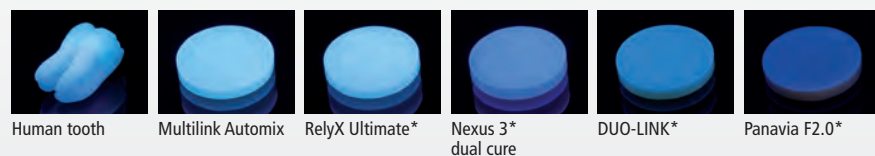
The straightforward and standardized cementation protocol for all the different types of restorative materials and the excellent radiopacity and lifelike fluorescence of the cement all contribute to the successful placement of indirect restorations.



R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2012 (measured according to ISO 4049)

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### Fluorescence of resin cements compared with that of natural tooth structure



R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2012

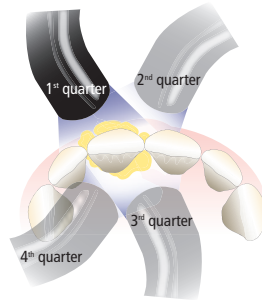
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# Multilink<sup>®</sup> Au

## THE NEXT GENERATION

### Easier Clean-up

Due to the advanced Easy Clean-Up formula and the Quarter Technique, excess Multilink Automix is now even easier to remove.



Depending on the curing light used, excess can be light-activated in 1 - 3 seconds per quarter surface (mesio-oral, disto-oral, mesio-buccal, disto-buccal). Within this time, the material acquires a gel-like consistency, which makes it easy to remove with a scaler.

### New Shade

The shade range has been expanded to include a WHITE shade with medium translucency. This is ideal for situations when a translucent glass-ceramic restoration is used to cover not only enamel but large amounts of dentin and may assume a greyish appearance.



### New Try-in pastes

Water-soluble glycerine-based try-in pastes corresponding to the Multilink Automix shades are now available, to simulate and preview the final appearance of the restoration.



### Excellent margin quality

To ensure highly esthetic restorations with impeccable margins, the Air-Block Liquid Strip has been added to the Multilink Automix System.



## DELIVERY FORMS

### Multilink Automix System Pack

1 Automix syringe, 9 g (in the chosen shade)  
1 Multilink Primer A+B, 2 x 3 g  
1 Monobond Plus, 5 g  
1 Liquid Strip, 2.5 g  
Various accessories (mixing pad, mixing plate, applicators, mixing tips, flow charts)

627471WW	Transparent
627473WW	Yellow
627472WW	Opaque
645954WW	White

### Multilink Automix Refill

1 Automix syringe, 9 g (in the chosen shade)  
15 Mixing tips

615216WW	Transparent
615217WW	Yellow
615218WW	Opaque
645952WW	White

### Multilink Automix Try-In Paste

1 Syringe, 1.7 g (in the chosen shade)

645956WW	Transparent
645957WW	Yellow
645958WW	Opaque
645959WW	White

### Multilink Primer A+B

576825WW	Primer A+B, 2 x 3 g
613626WW	Primer A, 1 x 3 g
613627WW	Primer B, 1 x 3 g

### Accessories

592435	Multilink Applicator Reg&Endo	50 applicators
645951	Mixing Tips short tapered Refill	15 tips
645955	Root Canal Tips	5 tips



The **Cementation Navigation System**, a new multimedia application from Ivoclar Vivadent, offers dentists practical orientation and guidance in the selection of the best luting material for each case.

[www.cementation-navigation.com](http://www.cementation-navigation.com)



## Fixed Prosthetics

Multilink® Automix is an essential part of the “Fixed Prosthetics” product category. The products in this category cover the procedure involved in the fabrication of fixed prosthetic restorations – from temporization to restoration care. The products are optimally coordinated with each other and enable successful processing and application.



Virtual®

PREPARE



Telio®

TEMPORIZE



IPS e.max®

RESTORE



Ivoclean®

CLEAN



Multilink®

PLACE



Cervitec®

MAINTAIN

THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

### IPS e.max® System

all ceramic – all you need



The comprehensive solution covering all indications

- Highly esthetic, high-strength materials for the press and CAD/CAM technique
- Unique lithium disilicate (LS<sub>2</sub>) and zirconium oxide (ZrO<sub>2</sub>) ceramics for restorations ranging from thin veneers to long-span bridges
- Flexibility of cementation: adhesive, self-adhesive and conventional

### Cervitec®

The protective varnish containing chlorhexidine and thymol



Maintaining the quality of restorations

- Targeted – Professional application in risk areas
- Effective – Intensive care for high-quality restorations
- Efficient – Optimum pink-white esthetics

Would you like to know more about the products of the “Fixed Prosthetics” category? Simply get in touch with your Ivoclar Vivadent representative or visit [www.ivoclarvivadent.com](http://www.ivoclarvivadent.com) for more information.

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