

# Click & Bond

Adhese<sup>®</sup>  
Universal

Top quality in  
the efficient VivaPen<sup>®</sup>



# Universal adhesion with advanced delivery

New user-friendly design

Adhese® Universal is a single-component, light-cured adhesive for direct and indirect bonding procedures and all etching protocols.<sup>[1]</sup> It is the only universal bonding agent available in the efficient VivaPen® delivery form.

Fast and controlled intraoral application <sup>[2]</sup>

Click & bond:  
Precise dispensing due to improved "click" mechanism

Unobstructed view of the operating field

Bendable tip gives easy access to all areas of the mouth and all cavity sizes

Exchangeable cannula with flocked tip

Fill level indicator

## Your benefits at a glance:

- ✓ Universally suitable for direct and indirect bonding procedures and all etching protocols<sup>[1]</sup>
- ✓ Consistent high bond strength (> 25 MPa) on wet and dry dentin
- ✓ Integrated desensitizing effect for minimizing<sup>[3]</sup> the risk of postoperative sensitivity
- ✓ Efficient VivaPen: up to four times more applications per ml compared with conventional bottles

[1] Except in cases, where sufficient exposure to curing light cannot be ensured (e.g. adhesive cementation of endodontic posts).  
[2] A protective sleeve must be used in intraoral procedures.  
[3] Platt J.A. et. al., Dentaleconomics, 2016, p. 71-72

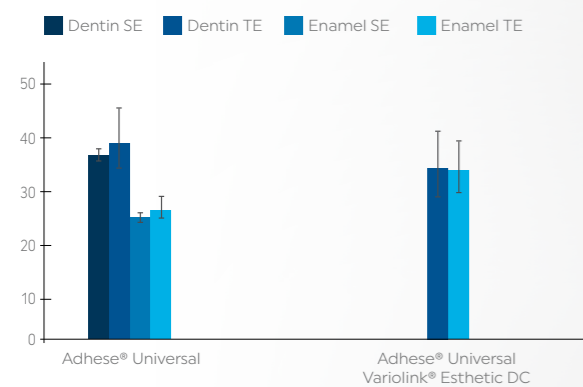


# Quality that stands out

## High bond strength for greater confidence

Adhese Universal achieves high bond strength values (> 25 MPa) on enamel and dentin irrespective of the etching protocol used or the moisture conditions on the tooth surface. Predictable, high bond strength values allow you to work with confidence.

### Consistent high bond strength



**Direct bonding**  
Shear bond strength when using the self-etch (SE) technique and the total-etch (TE) technique  
Source: DENTAL ADVISOR, USA, 2018

**Indirect bonding – selective-enamel-etch technique**  
Shear bond strength with Variolink® Esthetic after dual-curing and 10,000 thermocycles (TC)  
Source: R&D Ivoclar Vivadent AG, Schaan, 2015

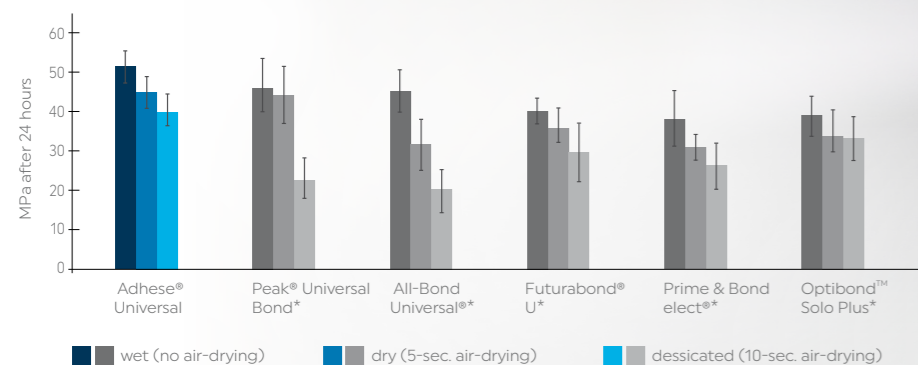
## Minimizing the risks of postoperative sensitivity<sup>[3]</sup>

Adhese Universal features an integrated desensitizing effect, which eliminates the need for a separate desensitizing agent. Adhese Universal forms a mechanical barrier and seals the dentin tubules under wet and dry conditions.

## Very low film thickness for fitting accuracy and esthetic results

Since Adhese Universal can be applied very thinly, you have all the freedom you need to create esthetic direct and indirect restorations. The adhesive establishes a sound foundation for achieving customized solutions and esthetic results.

## Shear bond strength on dentin after different surface treatments – total-etch technique<sup>1</sup>



\* Not registered trademarks of Ivoclar Vivadent AG. Source: Singhal S et al., Dent. Mater. 2014, 30, p. e81-e82.



### Remember:

Before light curing, dry with oil- and water-free, clean compressed air until the etched fusion surfaces are chalk-white!

[3] Platt J.A. et. al., Dentaleconomics, 2016, p. 71-72

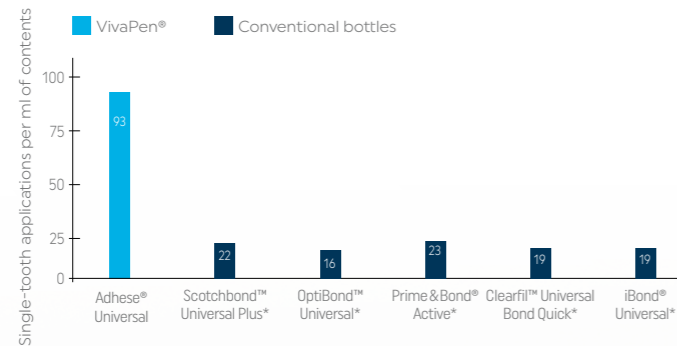


# Threefold efficiency

Up to  
4x more  
applications  
[4-6]

## Economically dispensed with VivaPen

The simple "click" mechanism pumps the exact amount of adhesive needed. The adhesive does not have to be predispensed into a mixing well. This significantly reduces the amount of material wasted. As a result, up to four times more single tooth applications are obtained per ml of pen contents compared to conventional bottles.



The measurements were taken using gravimetric methods and simulating daily clinical use.  
\* Not registered trademarks of Ivoclar Vivadent AG.  
Sources: Berndt & Partner, VivaPen Benchmarking Study, Study Report, April 2022.

Universal  
use

## For direct and indirect restorations and all etching protocols<sup>[7]</sup>

Adhese Universal can be used in conjunction with light-curing, self-curing and dual-curing composite restorative materials. It is the adhesive of choice for bonding composites of the Tetric line. The product acts as an adhesive in the placement of indirect and direct restorations with light and dual-curing luting materials or as a primer for conditioning restorations made from Tetric CAD composite blocks.

3-second  
cure

## Fast, reliable cure

Adhese Universal is cured with conventional curing lights (with a light intensity of 2000 mW/cm<sup>2</sup>) in just 5 seconds. For restorations of Class I and II cavities in permanent posterior teeth with occlusal ligh curing using the Bluephase PowerCure with a light intensity of 3000 mW/cm<sup>2</sup> the curing process is reduced to only 3 seconds.

Learn more about our 3s PowerCure system of products:  
[ivoclar.com/3sPowerCure](http://ivoclar.com/3sPowerCure)

# Adhese Universal DC

## Strong in any situation

Adhese Universal DC is a single-component, dual-cured adhesive for universal use. It is particularly suitable for bonding indirect restorations in situations where self-curing is required or desired.<sup>[8]</sup>

## Same bonding performance as Adhese Universal

- ✓ Available in Free Stand® Single Dose units with initiator-coated applicators in two sizes.
- ✓ Even better together – coordinated with Variolink Esthetic for the placing of all types of restorations and root canal posts. Can be used in the self-cure mode with Variolink Esthetic DC and all etching protocols.



## Delivery forms

Adhese Universal	
754798WW	Kit VivaPen (1 x 2 ml) 100 VivaPen snap-on cannulas, 20 VivaPen protective sleeves
754799WW	Starter Kit VivaPen (1 x 0.5 ml) 10 VivaPen snap-on cannulas, 20 VivaPen protective sleeves
Adhese Universal DC	
687778WW	Adhese Universal DC Refill Single Dose Regular (25 x 0.1g)
687779WW	Adhese Universal DC Refill Single Dose Small/Endo (25 x 0.1g)

Additional delivery forms are listed here: [ivoclar.com/AdheseUniversal/deliveryforms](http://ivoclar.com/AdheseUniversal/deliveryforms)

[4] per ml compared with conventional bottles

[5] Berndt & Partner, Benchmarking Study, Study Report, April 2022.

[6] Holaschke S, VEA Verification Report, Ivoclar Vivadent, 2021.

[7] Except in cases, where sufficient exposure to curing light cannot be ensured (e.g. adhesive cementation of endodontic posts).

[8] Compatible with light and dual-curing luting composites using an etch-and-rinse protocol.

# Direct restorative treatment for efficient esthetics



## Isolate

Comfortable isolation with  
OptraGate and OptraDam



## Bond

Efficient bonding with  
the Adhese Universal VivaPen



## Restore

The Tetric line – the solution  
for all types of cavities



## Contour

Easy adaptation of  
materials with OptraSculpt



## Cure

Curing with high-performance  
Bluephase polymerization lights



## Polish

Shiny surfaces produced  
with OptraGloss



## Protect

Effective prevention  
with Fluor Protector S