

NEW

Adhese[®] Universal

The universal adhesive

All in
one click ...
Up to 190 times.

Selective-Etch

Self-Etch

Total-Etch

Direct

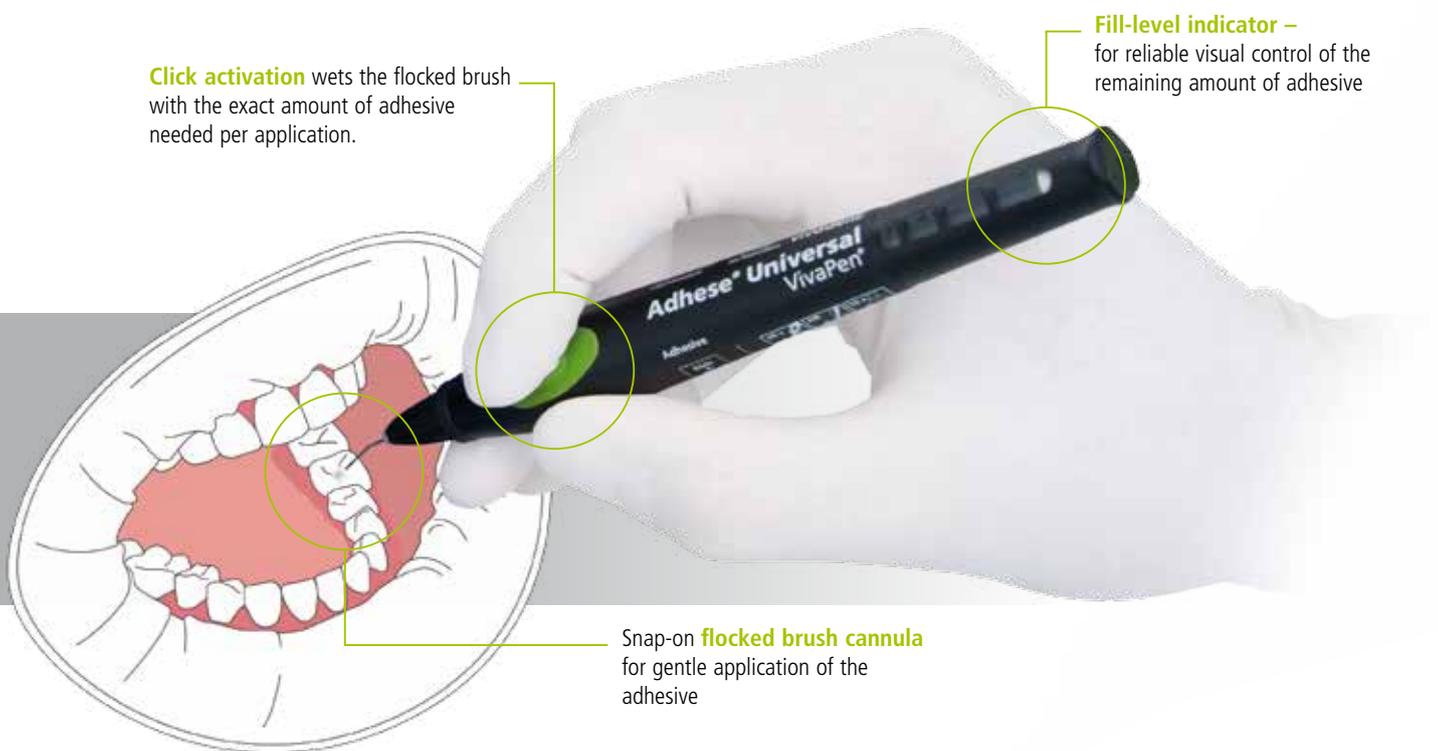
Indirect

ivoclar
vivadent[®]
passion vision innovation

Adhese[®] Universal

UNIVERSAL ADHESION WITH ADVANCED DELIVERY

Adhese Universal is a single-component, light-cured universal adhesive for direct and indirect bonding procedures. It features compatibility with all etching techniques: self-etch, selective-enamel-etch and total-etch. The VivaPen[®] delivery form ensures fast and convenient application of the adhesive directly in the patient's mouth. Material waste is kept to a minimum, which results in optimized cost-effectiveness.



VivaPen's ergonomic, pen-like design combined with its angled brush cannula allows the clinician to secure the pen naturally, for enhanced comfort and control during direct intra-oral application. In 2013, the VivaPen received the iF Packaging Design Award for its outstanding user-friendliness.



EFFICIENT DELIVERY

Precision "Click & Bond" dispensing with the VivaPen

The simple "Click" activation allows the clinician to control the exact amount of material to be dispensed for each procedure. Dispensing of adhesive material into a dish before the application is no longer required. Thus residual material waste is significantly reduced.

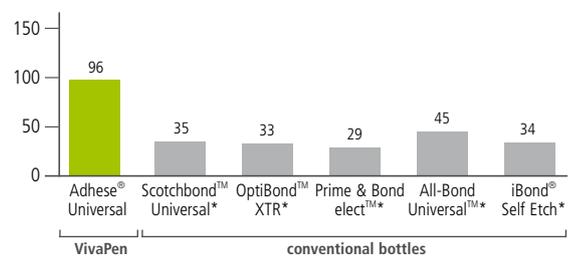


Almost three times more applications with the VivaPen

In an independent third party evaluation, the efficiency, amount of waste and cost-effectiveness of the VivaPen was compared to that of conventional bottle delivery forms using gravimetric weight analysis after typical daily clinical application.

The 2 millilitres of adhesive contained in the VivaPen are sufficient for approx. 190 single-tooth applications. Compared to conventional bottle delivery forms, this amounts to almost 3 times more applications per millilitre.

Number of single-tooth applications per ml



* Not registered trademarks of Ivoclar Vivadent AG.
Source: Berndt & Partner, VivaPen Benchmarking Study, August 2013

Fast and convenient application in only 35 seconds



Apply one coat of adhesive and scrub it into the surface for 20 seconds.
Dr S. Huth, R&D Ivoclar Vivadent AG, Schaan, 2013



Disperse the adhesive with compressed air until a glossy, immobile layer results.



Light-cure for 10 seconds.

PREDICTABLE RESULTS

Consistently high shear bond strength

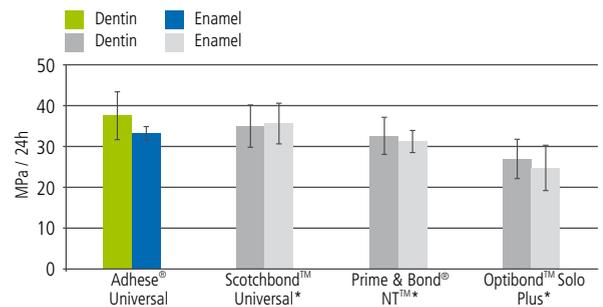
Adhese Universal is technique-tolerant and forgiving. It forms a stable, homogeneous layer that is not sensitive to different application techniques. With only a single layer of adhesive, consistently high bond strengths on enamel and dentin are achieved irrespective of the etching protocol employed.

Virtually no post operative sensitivity

The acetone-free, hydrophilic solvent contained in Adhese Universal ensures optimum wetting of the dentin and enamel. This results in enhanced infiltration and optimum sealing of the dentinal tubules to reduce the risk of microleakage and postoperative sensitivity.

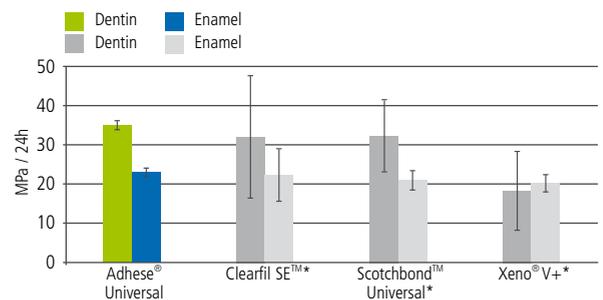
Direct bonding – Total-etch

Shear bond strength in combination with Tetric EvoCeram® Bulk Fill



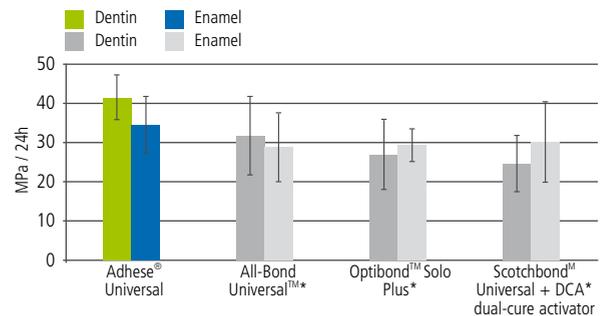
Direct bonding – Self-etch

Shear bond strength in combination with Tetric EvoCeram® Bulk Fill



Indirect bonding – Total-etch

Shear bond strength in combination with Variolink® II after dual-curing



* Not registered trademarks of Ivoclar Vivadent AG.
Source: R&D Ivoclar Vivadent AG, Schaan, 2013

Ordering information

665156WW	Refill VivaPen 1 x 2 ml
663723WW	Promo VivaPen 1 x 2 ml / 100
663717WW	Starter Kit VivaPen 1 x 0.5 ml
627178	Refill VivaPen snap-on cannulas (100 pcs.)
627492	Refill VivaPen protective sleeves (300 pcs)
663720WW	Refill bottle 1 x 5 g
663721WW	Refill bottle 2 x 5 g
664698	Refill Vivadent applicators, green (50 pcs)



Adhese Universal is available in the VivaPen and conventional bottle delivery forms.

Adhese Universal can be stored at room temperature.

28°C
82°F
Storage temp.

UNIVERSAL APPLICATION

Suitable for direct and indirect bonding procedures

- Low film thickness that will not impede the proper fit of indirect restorations
- Establishes a reliable bond to various restorative materials
- No dual-cure activator is required for the cementation of indirect restorations

Compatible with all etching techniques

Adhese Universal combines hydrophilic and hydrophobic properties into one product. It is tolerant to moisture and penetrates well into the open dentinal tubules. Its mildly acidic properties make Adhese Universal well-suited for any etching protocol and ensures an optimum bond between the restorative material and tooth structure.



One coat of Adhese Universal is agitated/scrubbed into the tooth surface for at least 20 seconds.



Etching of enamel only using phosphoric acid for 15-30 s is followed by the application of Adhese Universal to enamel and dentin for at least 20 seconds.



Both enamel (15-30 seconds) and dentin (10 -15 seconds) are etched using phosphoric acid. Subsequently, Adhese Universal is scrubbed into the enamel and dentin for 20 seconds.

Dr A. Peschke, Ivoclar Vivadent AG, Schaan, 2013

Self-etch technique

- time-saving
- reduces the risk of post operative sensitivity

Selective enamel etching

- enhances adhesion to enamel
- improves the marginal seal

Total-etch (etch & rinse) technique

- maximizes adhesion to both enamel and dentin
- improves the marginal seal



Direct Restoratives

Adhese® Universal forms a part of the “Direct Restoratives” product category. The products of this category cover the procedure involved in the direct restoration of teeth – from preparation to restoration care. The products are optimally coordinated with each other and enable successful processing and application.



THESE ARE FURTHER PRODUCTS OF THIS CATEGORY::

Tetric EvoCeram® Bulk Fill

The bulk-fill composite



Posterior efficiency, zero compromise

- Fill with up to 4 mm bulk increments due to Ivocerin®, the patented light initiator
- Sculpt and contour with ease as a result of the material's smooth consistency
- Then light-cure ... and the esthetic restoration is done!

Fluor Protector S

The protective fluoride varnish



Homogeneous protective varnish in a dispensing tube

- Immediate fluoridation of enamel
- High-yielding fluoride depot
- Mild taste

Would you like to know more about the products of the “Direct Restoratives” category? Simply get in touch with your contact person at Ivoclar Vivadent or visit www.ivoclarvivadent.com for more information.