

Click & Bond



Tetric® N-Bond Universal

The tolerant
universal adhesive

Universal adhesion with advanced delivery

Tetric® N-Bond Universal is a light-curing, single-component adhesive for direct and indirect bonding procedures and all etching protocols.^[1] It is the only universal bonding agent available in the efficient VivaPen® delivery form.

New user-friendly design

Fast and controlled intraoral application^[2]

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^[1]
- ✓ Curing times starting from 5 seconds (with a light intensity of 2000 mW/cm²)
- ✓ Consistent high bond strength (> 25 MPa) on wet and dry dentin
- ✓ Integrated desensitizing effect for minimizing the risk of postoperative sensitivity^[3]
- ✓ 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

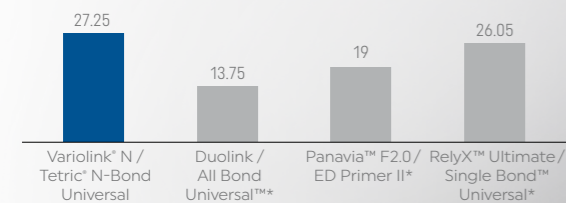
Quality that stands out

High bond strength for greater confidence

Tetric N-Bond 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.

Placement for indirect restoration – Self-etch

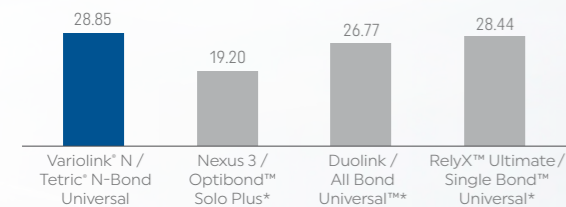
Shear bond strength on human dentin (MPa / 24h)



* Not registered trademarks of Ivoclar Vivadent AG.
Source: Dr E. Mahn, Universidad de los Andes, Chile, 2014

Placement for indirect restoration – Total-etch

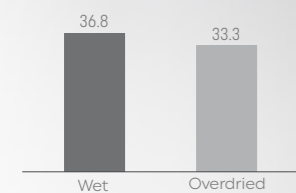
Shear bond strength on human dentin (MPa / 24h)



* Not registered trademarks of Ivoclar Vivadent AG.
Source: Dr E. Mahn, Universidad de los Andes, Chile, 2014

Bonding for direct Filling Therapy – Total-Etch

Shear bond strength on dentin in combination with Tetric N-Ceram Bulk Fill (MPa / 24h)



Source: R&D Ivoclar Vivadent AG, Schaan, Liechtenstein, 2014

Minimizing the risks of postoperative sensitivity^[3]

Tetric N-Bond Universal features an integrated desensitizing effect, which eliminates the need for a separate desensitizing agent. Tetric N-Bond 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 Tetric N-Bond 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.



Don't forget:

before light-curing, dry with oil- and water-free compressed air until the etched enamel surfaces appear chalky white.

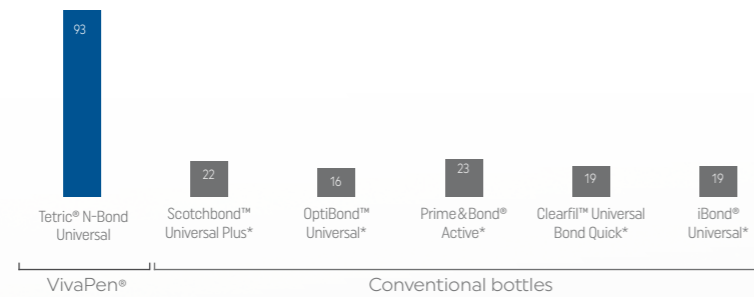
[3] Platt J.A. et. al., Dentaleconomics, 2016, p. 71-72

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^[7]

Tetric N-Bond 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 N-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.

Fast and
convenient

Direct intraoral application

The ergonomic, pen-like design of the VivaPen, in combination with the replaceable brush cannulas, ensures quick, controlled and convenient application directly in the mouth of the patient.^[8]

Even better together

A coordinated range of products for direct restorative procedures allows you to produce highly esthetic results. Take advantage of the benefits offered by this comprehensive product line: the single-component universal adhesive Tetric N-Bond Universal and the sculptable Tetric N-Ceram Bulk Fill and the flowable Tetric N-Flow Bulk Fill 4-mm composites. Polymerization takes place in only 10 seconds with the Bluephase N G4 curing light. You will save time and yet still achieve the same high quality and esthetics that you expect.



Delivery forms

| Tetric N-Bond Universal | |
|-------------------------|---------------------------|
| 754940AN | Kit VivaPen (1x 2 ml/40) |
| 668221AN | Refill Bottle (1x 6 g) |
| 690104AN | Refill Bottle (1x 3 g) |
| 668222AN | Refill VivaPen (1x 2 ml) |
| 668223AN | Start VivaPen (1x 0.5 ml) |

[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] A protective sleeve must be used in intraoral procedures.

Direct restorative treatment for efficient esthetics



Isolate

Comfortable isolation with
OptraGate and OptraDam



Bond

Efficient bonding with
the Tetric N-Bond Universal VivaPen



Restore

The Tetric N-Line composites –
the solution for all types of cavities



Contour

Easy adaptation of
materials with OptraSculpt



Cure

Curing with high-performance
Bluephase N G4 polymerization lights



Polish

Shiny surfaces produced
with OptraGloss



Protect

Effective prevention^[9]
with Fluor Protector S

[9] Bolis C et al., Oral Health Prev Dent, 2015; 13, p. 545-556.
The range of available products may vary from country to country.