

**3M** Science.  
Applied to Life.™

**Total versatility.  
Uncompromising performance.**



**3M™ Single Bond  
Universal Adhesive**



# You have enough decisions to make. Make this one with confidence.

Simplifying the bonding step is no easy task. That's why 3M developed one adhesive you can trust and use with confidence on any dental surface, with any etching technique, in both direct and indirect applications ... and we proved it.

3M™ Single Bond Universal Adhesive is a single-bottle solution that offers a simple one-step, one-coat, 35-second application—without compromising strength. Years of clinical evaluations have stacked the evidence. It can be used in all etching techniques, including total-etch, self-etch and selective-etch; in both direct and indirect applications; and on all dental surfaces, without any extra primer—taking versatility to a whole new level.

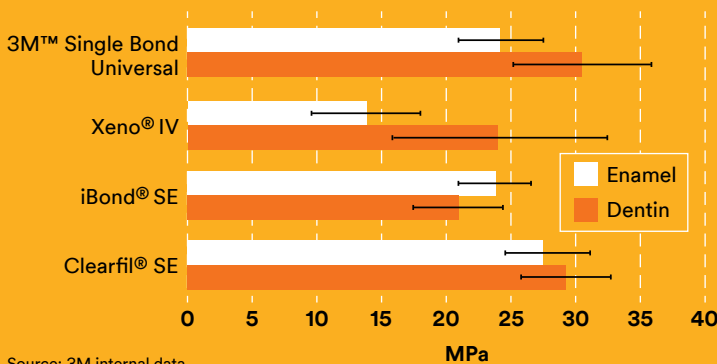
**Quick  
35-second  
application time**



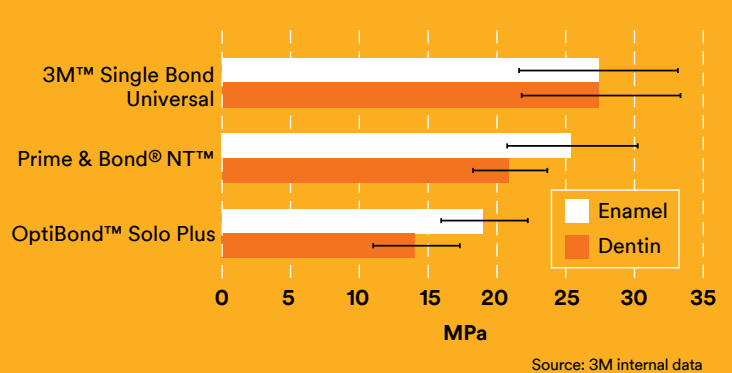
## Use your preferred technique without compromising high, reliable and durable bonds.



**Self-Etch Bond Strength—  
3M™ Single Bond Universal Adhesive vs. Competition**



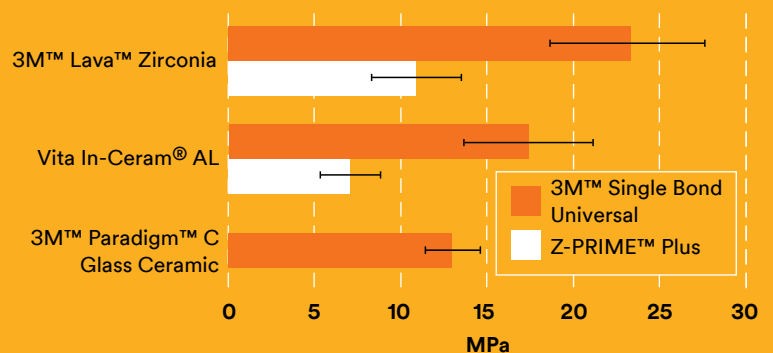
**Total-Etch Bond Strength—  
3M™ Single Bond Universal Adhesive vs. Competition**



## Bond to any surface.

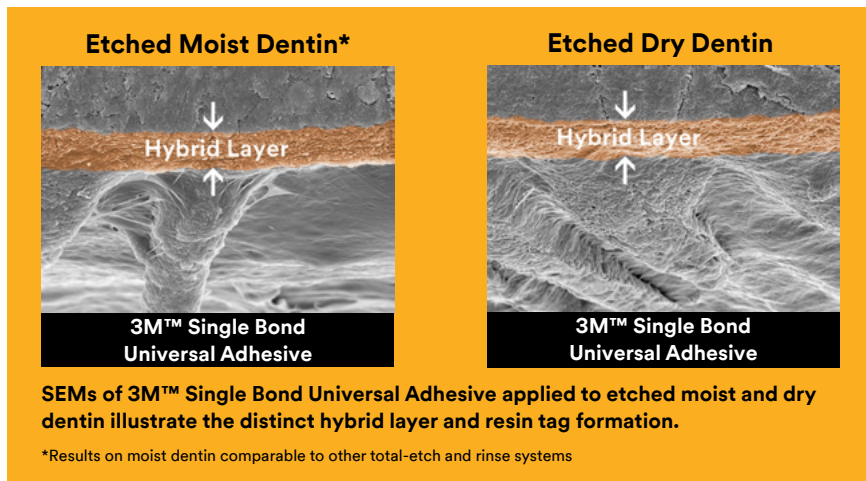
Single Bond Universal adhesive bonds to all surfaces, including enamel, dentin, glass ceramic, zirconia, noble and non-precious alloys and composites—without additional primer. In combination with 3M™ Single Bond Universal DCA Dual Cure Activator, Single Bond Universal adhesive is compatible with all resin cements, core build-up materials and even self-cure composites!

**Shear Bond Strength to Indirect Substrates  
After 10,000 Thermocycles**



# Bond confidently to moist or dry dentin—with virtually no post-operative sensitivity.

The unique chemistry of 3M™ Single Bond Universal Adhesive optimizes the ratios of the 3M proprietary 3M™ Vitrebond™ copolymer, HEMA and water. This allows for rehydration of the collagen network and formation of a distinct hybrid layer whether dentin is kept moist or dry. The result is reduced technique sensitivity, consistent bonding and virtually no post-op sensitivity in both self-etch and total-etch applications.



In contrast, typical total-etch (etch and rinse) systems require the dentin surface to be kept moist after etching to maintain the collagen network, resulting in a lack of hybrid layer formation and reduced bond strength that can lead to patient sensitivity.



SEM of a typical two-step etch and rinse system when applied on dry etched dentin. Note the lack of an evident hybrid layer.

SEM Images Courtesy of Dr. Jorge Perdigao, University of Minnesota

After a 36-month randomized double-blind clinical trial evaluating 172 restorations in 35 patients, Single Bond Universal adhesive fulfilled the ADA criteria for approval for all etching techniques.\*\*

\*\* Loguerico, A. D., de Paula, E. A., Hass, V., Luque-Martinez, I., Reis, A., Perdigao, J. (2015). A new universal simplified adhesive: 36-Month randomized double-blind clinical trial. *Journal of Dentistry*, 43, 1083–1092.

## The science behind total versatility.

**3M™ Vitrebond™ copolymer**  
Exclusively from 3M. Reduces the adverse effects of moisture, allowing bonding to moist or dry dentin in the total-etch technique.

**Silane**  
Allows the adhesive to chemically bond to glass ceramic surfaces without using a separate ceramic primer.

**MDP monomer**  
Optimizes self-etch performance. Provides chemical bonding to oxide ceramics (zirconia, alumina and metals) without a separate primer. Increases shelf stability so that no refrigeration is needed.

## Virtually no post-operative sensitivity in total-etch or self-etch applications.

**0.4%**  
Percent of total-etch restorations with 3M™ Single Bond Universal Adhesive having post-op sensitivity.

Total number of total-etch restorations:  
**3,467**

**0.06%**  
Percent of self-etch restorations with 3M™ Single Bond Universal Adhesive having post-op sensitivity.

Total number of self-etch restorations:  
**3,495**

Source: 3M internal data





# 3M™ Single Bond Universal Adhesive performs across a range of variables, giving you true versatility.

## Direct Placement Indications:

- Bonding light cured composite or compomer for all classes of direct restorations
- Root surface desensitization
- Sealing of dentin prior to amalgam restorations
- Protective varnish for glass ionomer restorative materials
- Repair of composite or compomer restorations
- Bonding sealants

## Indirect Placement Indications:

- Bonding veneers with 3M™ RelyX™ Veneer Cement
- Adhesive/primer for chemical adhesion when bonding zirconia, alumina, metal or glass ceramic restorations
- Intraoral repair of existing indirect restorations
- Bonding self- or dual-cure core build-up materials and resin cements (with 3M™ Single Bond Universal DCA Dual Cure Activator)
- Sealing of dentin prior to temporization for indirect restoration placement

Refer to Instructions for Use for full list of indications

- One-step, one-coat adhesive application
- Combined total-etch, self-etch and selective-etch adhesive
- Consistent bond strength to both moist and dry etched dentin
- Virtually no post-op sensitivity
- High bond strength to all indirect surfaces (zirconia, alumina, glass ceramics and metals) without a separate primer
- Excellent marginal integrity for highly esthetic restorations
- Self- and dual-cure compatible (with 3M™ Single Bond Universal DCA Dual Cure Activator)
- No refrigeration needed; store at room temperature for two years
- Bonds indirect restorations with 3M™ RelyX™ Ultimate Adhesive Resin Cement— without the need to light cure the adhesive
- Flip-top vial and unit dose delivery



## Ordering Information



Item #	Product Information
41275	<b>3M™ Single Bond Universal Adhesive Intro Kit—Vial</b> Includes: 1 – 5ml adhesive vial; 50 disposable mixing wells; 50 disposable microbrushes; 1 – 3ml etchant syringe; 25 dispensing tips
41282	<b>3M™ Single Bond Universal Adhesive Refill</b> Includes: 1 – 5ml adhesive vial
41277	<b>3M™ Single Bond Universal Adhesive Intro Kit—Unit Dose 40</b> Includes: 40 unit dose; 1 – 3ml etchant syringe
41279	<b>3M™ Single Bond Universal Adhesive Unit Dose 100</b> Includes: 100 unit dose; 1 – 3ml etchant syringe
41286	<b>3M™ Single Bond Universal DCA Dual Cure Activator</b> Includes: 1 – 5ml vial
41263	<b>3M™ Scotchbond™ Universal Etchant Etching Gel</b> Includes: 2 – 3ml syringes; 50 dispensing tips



[www.3M.com](http://www.3M.com)



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