

Adhesive Solutions

# Scotchbond™ Universal

Adhesive



SEM pictures of Scotchbond™ Universal Adhesive.

One bottle for all cases!  
Total-Etch and Self-Etch

**3M** ESPE

# One adhesive for Total-Etch and Self-Etch

## Discover the Universal Bonding Solution.

Unleash the power of the first truly universal adhesive, and experience a whole new level of versatility. Scotchbond™ Universal Adhesive can be used in all application techniques, including Total-Etch, Self-Etch and Selective-Etch. It's ideal for both direct and indirect applications and can be used on all surfaces without any extra primer. Designed to simplify the dental bonding procedure without compromise, Scotchbond Universal Adhesive is the one adhesive for every practice with the ultimate in strength and speed.

- One step, one coat application for a quick 35-second application time
- Flip-top vial for one-handed operation and unique nozzle design for dispensing control
- Unique L-Pop™ unit dose delivery
- No refrigeration needed; store at room temperature for two years
- Improved, easy-to-place etchant

## Broad range of indications.

Scotchbond Universal's high performance has been verified by internationally renowned scientists. This truly universal adhesive is the basis for restoring oral performance in a minimally invasive way. No matter whether tooth substance was lost due to caries or erosion, you can restore performance and aesthetics in a direct or indirect way by building on Scotchbond Universal.

### Direct placement indications:

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

### Indirect placement indications:

- Primer for zirconia, alumina, metal or glass ceramic restorations
- Bonding veneers with RelyX™ Veneer Cement
- Bonding of indirect restorations in combination with RelyX™ Ultimate Cement
- Bonding self- or dual-cure core build-up materials and resin cements (with Scotchbond™ DCA Dual Cure Activator)
- Intraoral repair of existing indirect restorations
- Sealing of dentine prior to temporisation for indirect restoration placement



## Consistent performance.

The unique chemistry of Scotchbond™ Universal Adhesive allows for rehydration of the collagen network and formation of a distinct hybrid layer, whether dentine is kept moist or dry. The result is reduced technique sensitivity, consistent bonding and virtually no post-op sensitivity in either Self-Etch or Total-Etch applications.

### Etched moist dentine\*



### Etched dry dentine

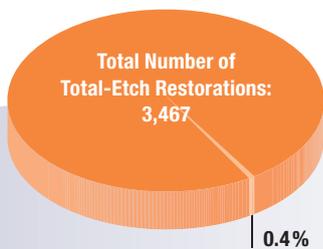


SEMs of Scotchbond™ Universal adhesive applied to etched moist and dry dentine illustrate the distinct hybrid layer and resin tag formation.

Source: Dr. Jorge Perdigao from the University of Minnesota

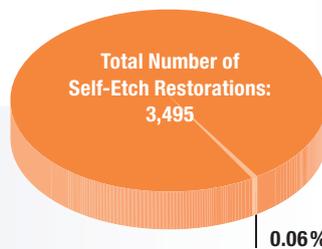
\*Results on moist dentine comparable to other Total-Etch and rinse systems.

## Virtually no post-operative sensitivity in Total-Etch or Self-Etch applications.



Percent of Total-Etch Restorations with Scotchbond™ Universal Adhesive affected by post-op sensitivity.

Source: 3M ESPE Internal



Percent of Self-Etch Restorations with Scotchbond™ Universal Adhesive affected by post-op sensitivity.

## Unique Scotchbond™ Technology.

Building on 3M's adhesives expertise and 3M ESPE's trusted bonding background, Scotchbond Universal Adhesive features a unique chemistry for true versatility – all in one bottle.

- Vitrebond™ Copolymer provides more consistent bonding to dentine under moist or dry conditions.
- MDP Monomer optimizes Self-Etch performance, provides chemical bonding to zirconia, alumina and metals without a separate primer, and increases shelf stability so that no refrigeration is needed.
- Silane allows the adhesive to chemically bond to glass ceramic surfaces without using a separate ceramic primer.



# One bottle is enough – for all surfaces

The right choice.

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



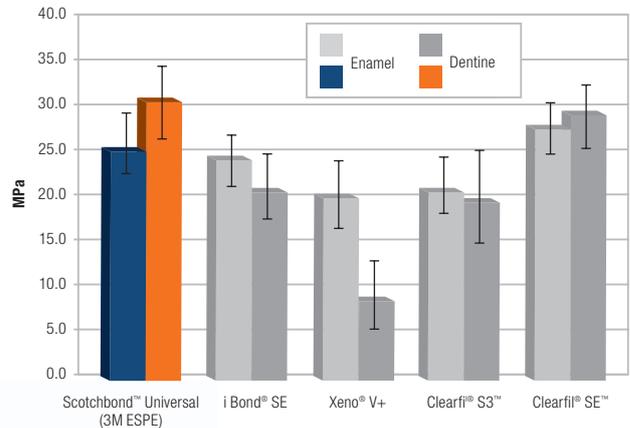
reddot design award  
winner 2012



Flip-top vial with unique nozzle design for dispensing control. No refrigeration needed; store at room temperature for two years.

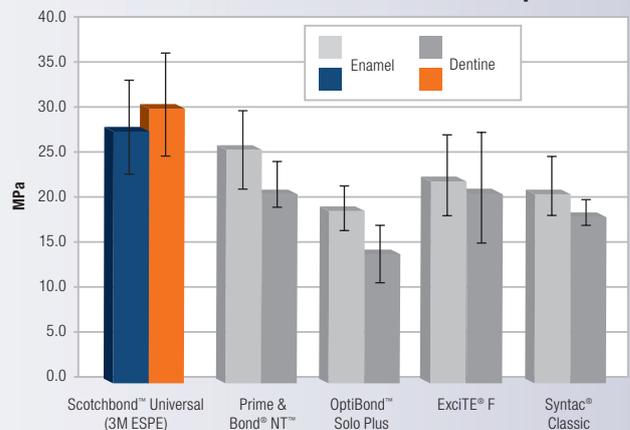
Scotchbond Universal adhesive is the single-bottle adhesive solution that combines true versatility with the ultimate in strength and speed for effective performance. It offers high bond strength with one simple application technique.

## Self-Etch Bond Strength – Scotchbond™ Universal Adhesive vs. Competition



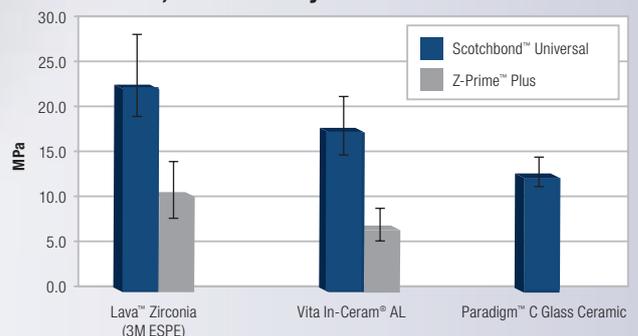
Source: 3M ESPE Internal Data

## Total-Etch Bond Strength – Scotchbond™ Universal Adhesive vs. Competition



Source: 3M ESPE Internal Data

## Shear Bond Strength to Indirect Substrates after 10,000 Thermocycles



Source: Dr. Markus Blatz, University of Pennsylvania



Passionate about  
Versatility

3M ESPE  
Scotchbond™  
Universal  
Adhesive

## Ordering Information



Scotchbond™ Universal Adhesive Introductory Kit



Scotchbond™ Universal Adhesive Introductory Pack L-Pop™



Scotchbond™ Universal Dual Cure Activator



Scotchbond™ Universal Etchant Etching Gel

Item No.	Product Information
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### Scotchbond™ Universal Adhesive

<b>41254</b>	<b>Scotchbond™ Universal Adhesive Introductory Kit:</b>
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1 bottle Scotchbond™ Universal à 5 ml, 50 disposable mixing wells, 50 disposable microbrushes, 1 etchant syringe à 3 ml, 25 dispensing tips for etchant syringe

<b>41258</b>	<b>Scotchbond™ Universal Adhesive Refill:</b>
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1 bottle Scotchbond™ Universal à 5 ml

<b>41255</b>	<b>Scotchbond™ Universal Adhesive Introductory Pack L-Pop™:</b>
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40 unit dose, 1 etchant syringe à 3 ml, 25 dispensing tips

<b>41256</b>	<b>Scotchbond™ Universal Adhesive Giant Pack L-Pop™:</b>
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100 unit dose, 1 etchant syringe à 3 ml, 25 dispensing tips

<b>41257</b>	<b>Scotchbond™ Universal Adhesive Bulk Pack L-Pop™:</b>
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200 unit dose, 1 etchant syringe à 3 ml, 25 dispensing tips

<b>41264</b>	<b>Scotchbond™ Universal DCA Dual Cure Activator:</b>
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1 bottle à 5 ml

<b>41263</b>	<b>Scotchbond™ Universal Etchant Etching Gel:</b>
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2 etchant syringes à 3 ml, 50 dispensing tips

<b>41274</b>	<b>Scotchbond™ Universal Etchant Etching Tips:</b>
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25 dispensing tips



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