

Transbond™ Plus Self Etching Primer



Etching and Priming
In One Simple Step.

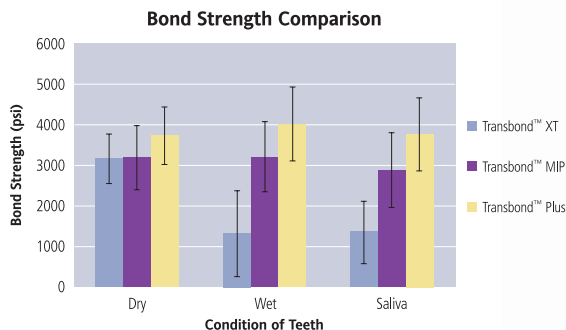
3M Unitek

Transbond™ Plus Self Etching Primer. The All In One Bonding Solution.

Orthodontic professionals everywhere have discovered the advantages generated by Transbond™ Plus Self Etching Primer from 3M Unitek. Our one-step primer features unique chemistry and an exclusive delivery system which allow you to etch, prime and bond to enamel in one simple and cost-effective step. And you can do it all in just seconds.

Say goodbye to your current time-consuming system with separate etchant, primer and applicator brushes. Transbond Plus Self Etching Primer combines etchant and primer in a three-well single-patient use foil pack with an advanced delivery system. This innovative design ensures consistent delivery of the highest quality adhesive material. Transbond Plus Self Etching Primer also lets you say goodbye to evaporation and contamination sometimes encountered with bottled adhesives.

A perfect complement to our APC™ Adhesive Coating System and Transbond™ Light Cure Adhesive Systems, Transbond Plus Self Etching Primer eliminates many of the costly variables and errors normally associated with the bonding process. This light cure material delivers fast results and good bond strength along with immediate archwire engagement. And, as shown in the chart below, its proven strength means you bond once, and bond for good.



Unitek™ Miniature Twin metal brackets used for bond strength comparison.
Source: 3M Unitek lab

Generating confidence through excellent moisture resistance.

You know the consequences of moisture contamination at any stage: it can compromise bond strength and normally results in loose brackets. Now, consistent and reliable bond strength can be achieved under moist conditions. That's because Transbond Plus Self Etching Primer is made of a hydrophilic material that performs equally well in either a moist or dry environment. Moisture control and potential bond failures are simply no longer issues.

Our easy one-step system creates an expanded placement window, giving you additional time for more precise positioning. At the same time, Transbond Plus Self Etching Primer increases patient comfort by reducing the need for lip expanders and decreasing chairside time. This shorter treatment window saves you valuable time, which translates to greater productivity for your practice.¹

Activation and use is now easier than ever with our Transbond Plus Self Etching Primer Easy Roller. The Transbond Easy Roller holds the foil pack and pushes the liquid contents outward for easy application.



Transbond™ Plus Self Etching Primer contains and releases fluoride.



Simplicity By Design.

The depth of penetration for both monomer and etchant are the same. This is possible because of the complete hybrid layer created by Transbond Plus Self Etching Primer. The same monomers that produce etching are responsible for bonding, so the depth of penetration of the monomers to be polymerized matches precisely the depth of demineralization.

Uncompromising strength. Every bond. Every time.

Our all-in-one bonding solution is surprisingly simple to use, but there is no compromise when it comes to bond strength.^{2,3}

Good bond strength is vitally important because it means less concern about future bond failures, and less chair time required by you and your patients.¹ In clinical trials and real-world use, Transbond Plus Self Etching Primer has demonstrated its good bond strength on both dry and moist enamel.^{4,5,6}

Like other conventional primers, Transbond Plus Self Etching Primer forms a microretentive bond with the treated enamel surface. That, however, is where the similarities end. Because unlike other adhesive systems, Transbond Plus Self Etching Primer performs both etching and penetration of monomers into the demineralized enamel, in one easy step, with less enamel loss compared to traditional etching.⁷

Single-patient use foil pack assures delivery of consistent, high quality adhesive material—every time you use it.

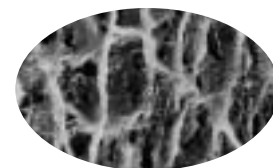


Generating well-defined etch patterns.

Transbond Plus Self Etching Primer with fluoride release is the adhesive solution that combines etching and priming in one easy step, with less enamel loss compared to traditional etching.⁷ Its low pH chemistry creates a well-defined etch pattern comparable to that produced when using 37% phosphoric acid. A burst of air makes the material more viscous, stalling the etching process until the resin is light cured.

Well-defined etch patterns are one more reason to stick with the premier one-step solution: Transbond Plus Self Etching Primer.

Find out today how Transbond Plus Self Etching Primer can help your practice generate greater productivity.



Results of enamel etching with Transbond™ Plus Self Etching Primer.



Results of enamel etching with 37% phosphoric acid.

The Transbond™ Plus Self Etching Primer Easy Roller helps activate and hold in place the Transbond Plus Primer, for added convenience.



¹ Aljoubouri, Y.D., Millett, D.T., Gilmour, W.H., Six and 12 months' evaluation of a self-etching primer versus two-stage etch and prime for orthodontic bonding: a randomized clinical trial, *European Journal of Ortho*, Vol. 26, No. 6, pp. 555-571, 2004.

² Dominguez-Rodriguez, G.C., de Carvalho, P.A.L., Horliana, R.F., Bomfim, R.A., Vigorito, J.W., "In Vitro" Evaluation of the Shear Bond Strength of Brackets Bonded on Teeth Conditioned With a Novel Plus Self Etching Primer, *Orthodontia*, April/May/June, pp. 28-33, 2002.

³ Paskowsky, T.N., Shear bond strength of a self-etching primer in the bonding of orthodontic brackets, *AJO/DO*, Vol. 123, No. 1, Reviews and Abstracts, p.101, 2003.

⁴ Cacciafesta, V., Sfondrini, M.F., De Angelis, M., Scribante, A., Klersy, C., Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers, *AJO/DO* Vol. 123, No. 6, pp. 633-639, 2003.

⁵ Asgari, S., Salas, A., English, J., Powers, J., Clinical Evaluation of Bond Failure Rates with a new Self-Etching Primer, *JCO*, Vol. 36, No. 12, 2002.

⁶ Rajagopal, R., Padmanabhan, S., Gnanamani, J., A Comparison of Shear Bond Strength and Debonding Characteristics of Conventional, Moisture-Insensitive, and Self-etching Primers In Vitro, *Angle Orthodontist*, Vol. 74, No. 2, pp. 264-268, 2004.

⁷ Hossain, I., Sherriff, M., Ireland, A.J., Enamel loss during bonding, debonding, and cleanup with use of a self-etching primer, *AJO/DO*, pp. 717-723, December 2004.



**Transbond™ Plus Self Etching Primer
Ordering Information**

Transbond™ Plus Self Etching Primer	712-090	100 Box
Transbond Plus Self Etching Primer	712-091	20 Box
Primer Brushes Transbond Plus	712-092	100 Box
Self Etching Primer Easy Roller	712-093	1 Each



**3M Unitek
Orthodontic Products**

2724 South Peck Road
Monrovia, CA 91016
USA
www.3MUnitek.com

In U.S. and Puerto Rico: 1-800-423-4588
In Canada: 1-800-443-1661
Technical Hotline: 1-800-265-1943
Outside these areas, contact your local representative.

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