

Back your adhesive decision with 5 years of clinical proof.

3M™ Single Bond Universal Adhesive

There's nothing like clinical proof to provide you with confidence when choosing dental products. The clinical evaluation summarized here documents the performance of 3M™ Single Bond Universal Adhesive over a 5-year period. The study evaluated a number of variables that are important to dentists when choosing a dental adhesive.

The results show that Single Bond Universal Adhesive is a truly versatile adhesive that can be used at a high level clinically, regardless of technique—allowing dentists to simplify the bonding procedure without compromise.





Performance compared to a trusted favorite

Class V restorations in self-etch and total-etch modes—5-year recall

Non-carious Cervical Lesion NCCL Study, 60 months, 137 restorations, 37 patients

Principal investigator: Nathaniel Lawson, DMD, PhD, with A. A. Robles, Chin-Chuan Fu, Daniel Givan, John Burgess, University of Alabama at Birmingham School of Dentistry, 2018 AADR #1491.

% Alpha Rating: Modified Cvar and Ryge Criteria

	 3M™ Single Bond Universal (Total-Etch)	3M™ Single Bond Universal (Self-Etch)	3M™ Adper™ Scotchbond™ Multi-Purpose (Total-Etch) 
Retention	96	87	74
Marginal discoloration	82	60	65
Marginal integrity	77	50	65
Secondary caries	100	100	100

Conclusion:

After five years, Single Bond Universal Adhesive, in self- and total-etch modes, performed similar to or better than Adper Scotchbond Multi-Purpose Adhesive—a total-etch, two-bottle system.

Clinical evaluations update

3M™ Single Bond Universal Adhesive

Performance across various methods of application

Non-carious Cervical Lesion NCCL Study, 36 months,
172 restorations, 35 patients

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

% Good—Very Good: FDI Criteria				
	SBU ERm	SBU ERd	SBU SEt	SBU SE
Marginal staining	93.2	93.2	90.9	82.5
Retention/fractures	97.8	97.8	97.8	88.9
Marginal adaptation	93.2	93.2	93.2	82.5
No post-op sensitivity	100	100	100	100
No secondary caries	100	100	100	100

% Alpha Rating: USPHS Criteria				
	SBU ERm	SBU ERd	SBU SEt	SBU SE
Marginal staining	93.2	93.2	93.2	82.5
Retention/fractures	97.8	97.8	97.8	88.9
Marginal adaptation	84.1	88.6	86.4	75
No post-op sensitivity	100	100	100	100
No secondary caries	100	100	100	100

- SBU = 3M™ Single Bond Universal Adhesive
- ERm = Etch, Rinse, Leave Moist
- ERd = Etch, Rinse, Dry
- SEt = Selective Enamel Etch Only
- SE = Self-Etch

Conclusion:

After 36 months, the reliable clinical success of Single Bond Universal Adhesive fulfilled the ADA criteria for approval for all etching techniques.

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