



DENTINE BONDING

The effect of immediate dentin sealing on the marginal adaptation and microleakage of indirect restorations: a systematic review and meta-analysis	Int Dent J 2026; 76(1): 104017
Pretreatments to bonding on enamel and dentin disorders: a systematic review	EBD 2024; 25(4): 215
The effect of combining primers and cements from different cement systems on the bond strength between zirconia and dentin	BDJ Open 2024; 10: 44
Influence of airborne particle abrasion on dentin bonding effectiveness of a 2-step universal adhesive [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2024; 144: 104918
Shear bond strength of universal adhesives to human enamel and dentin	J Esthet Restor Dent 2024; 36(5): 804-812
Effect of natural agents on the bond strength to eroded dentin [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2024; 36(5): 770-777
Particle abrasion as a pre-bonding dentin surface treatment: A scoping review [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2024; 36(5): 746-760
Evaluation of microbiological susceptibility and long-term adhesive properties to dentin of primers with Terminalia catappa Linn	J Adhes Dent 2024; 26(1): 103-116
The effect of a deproteinizing pretreatment on the bonding performance and acid resistance of a two-step self-etch adhesive on eroded dentin (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Oper Dent 2024; 49(1): 65-75
Bond strength, microleakage, microgaps, and marginal adaptation of self-adhesive resin composites to tooth substrates with and without preconditioning with universal adhesives	J Adhes Dent 2024; 26(1): 53-64
Multi-parameter characterization of HEMA/BPA-free 1- and 2-step universal adhesives bonded to dentin	J Adhes Dent 2024; 26(1): 41-52
High-C factor cavities: How to do “snowplow technique”, adhesive application mode and aging influence the Microtensile bond strength to dentin?	J Adhes Dent 2024; 26(1): 1-10
Enhanced bonding to caries-affected dentin using an isocyanate-based primer [can be accessed on DOSS free by logging in on this page]	J Dent Res 2023; 102(13): 1444-1451
Effect of contamination and decontamination methods on the bond strength of adhesive systems to dentin: A systematic review [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(8): 1218-1238



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Bonding protocols to reverse the bond strength of a universal adhesive to hemostatic agent-contaminated dentin (request using https://www.smartsurvey.co.uk/s/PJHVMV/)	Oper Dent 2023; 48(4): 447-456
Evaluation of six different one-step universal adhesive systems in terms of dentin bond strength, adhesive interface characterization, surface tension, contact angle, degree of conversion and solvent evaporation after immediate and delayed use [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(3): 479-492
Effect of adhesive strategy on resin cement bonding to dentin [Accessible from the Wiley link on this page]	J Esthet Restor Dent 2023; 35(3): 501-507
Long-term evaluation of dentin bonding properties of the photoinitiator system contained in universal adhesives used in fiber-post luting	J Adhes Dent 2023; 25(1): 257-266
Bonding performance of universal adhesives to eroded dentine: A 6-year evaluation [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dentistry 2023; 136: 104633
Release of interface confined water significantly improves dentin bonding [can be accessed on DOSS free by logging in on this page]	J Dent Res 2023; 102 (7): 734-42
Some myths in dentin bonding: an evidence-based perspective [can be accessed on DOSS free by logging in on this page]	J Dent Res 2023; 102 (4): 376-82
EDTA-functionalized silica nanoparticles as a conditioning agent for dentin bonding using etch-and-rinse technique [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2023; (134): 104528
A mussel glue-inspired monomer-etchant cocktail for improving dentine bonding [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2022; 116: 103888
Evaluation of resveratrol-doped adhesive with advanced dentin bond durability [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (114): 103817
Clinical behavior of universal adhesives in non-carious cervical lesions: A randomized clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (113): 103747
Effects of dentine surface cleaning on bonding of a self-etch adhesive to root canal sealer-contaminated dentine [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (112): 103766
Effects of non-thermal atmospheric plasma on dentin wetting and adhesive bonding efficiency: Systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (112): 103765



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Six-year clinical performance of a 2-step self-etch adhesive in noncarious cervical lesions [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(3): 201-215
Is there evidence that three-step etch-and-rinse adhesives have better retention rates than one-step self-etch adhesives in noncarious cervical lesions? A systematic review and meta-analysis [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(3): 187-200
Bonding to dentin using an experimental zirconium oxynitrate etchant [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2021; (108): 103641
Effects of desensitizers on adhesive-dentin bond strength: a systematic review and meta-analysis [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(1): 7-19
Does rubbing of universal adhesive reduce the negative effect of saliva on adhesion? [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2021; 23(1): 57-65
Adhesive dentistry: understanding the science and achieving clinical success [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Clin N Am 2020; 64(4): 633-643
The long-term consequence of salivary contamination at various stages of adhesive application and clinically feasible remedies to decontaminate	Clin Oral Investig 2020; (24): 4413-4426
Chitosan-based extrafibrillar demineralization for dentin bonding [can be accessed on DOSS free by logging in on this page]	J Dent Res 2019; 98 (2): 186-193
Bonding ceramic restorations	Tandlaegebladet 2019; 123(1): 36-42
Dentin bonding systems: from dentin collagen structures to bond preservation and clinical applications [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mater 2018; 34: 78-96
Comparative evaluation of 3 microbond strength tests using 4 adhesive systems: Mechanical, finite element, and failure analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2018; 119(1): 166-174
Classification review of dental adhesive systems: from the IV generation to the universal type	Annali di Stomatologia 2017; VIII(1): 1-17
Effect of air-blowing duration on the bond strength of current one-step adhesives to dentin [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2017; 33: 895-903



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Adhesive interfacial characteristics and the related bonding performance of four self-etching adhesives with different functional monomers applied to dentin [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2017; 62: 72-80
Comparison between universal adhesives and two-step self-etch adhesives in terms of dentin bond fatigue durability in self-etch mode [Accessible from the Wiley link on this page]	Eur J Oral Sci 2017; 125: 215-22
Effect of minocycline on the durability of dentin bonding produced with etch-and-rinse adhesives (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Oper Dent 2016; 41-5: 511-519
A new universal simplified adhesive: 36-month randomized double-blind clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2015; 43: 1083-1092
Bond strength of universal adhesives: a systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2015; 43: 765-776
Dentin bonding: can we make it last (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Operative Dent 2015; 40(1): 4-18
an in vitro evaluation of the effect of four dentin bonding system on the bond strength between quartz fiber post and composite core	J Dent Shiraz Univ Med Sci 2014; 15 (1): 22-7
effect of dentine conditioning on adhesion of resin-modified glass ionomer cements	Aust Dent J 2014; (59): 193-200
Effect of double-layer application on dentin bond durability of one-step self-etch adhesives (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Op Dent 2014; 39 (4): 416-26
Optimization of direct currents to enhance dentine bonding of simplified one-step adhesive [Accessible from the Wiley link on this page]	Eur J Oral Sci 2014; 122: 286-92
Dentine bonding agents comprising calcium-silicates to support proactive dental care: origins, development and future	Dent Mat J 2014; 33 (4): 443-52
Effect of a chlorhexidine-containing adhesive on dentin bond strength stability (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Op Dent 2013; 38 (6): 609-17
The effects of restorative composite resins on the cytotoxicity of dentine bonding agents	Dent Mat J 2013; 32 (5): 709-17
Overview of clinical alternatives to minimize the degradation of the resin-dentin bonds (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Op Dent 2013; 38 (4): E103-E127



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Collagen cross linking increases its biodegradation resistance in wet dentin bonding [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2012; 14(1): 11-18
Effect of prewarming and/or delayed light activation on resin-modified glass ionomer bond strength to tooth structures (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2012; 37 (1): 54-62
Long-term bonding to eroded dentin requires superficial bur preparation	Clin Oral Invest 2012; (16): 1451-1461
Hybridization morphology and dentin bond stability of self-etch primers with different ethanol/water ratios [can be accessed on DOSS free by logging in on this page]	Odontol 2012; (100): 181-186
Effect of mucoprotein on the bond strength of resin composite to human dentin [can be accessed on DOSS free by logging in on this page]	Odontol 2011; (99): 119-128
Bonding nano-filled resin-modified glass ionomer to dentin using different self-etch adhesives (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2011; 36 (4): 413-421
Bonding of self-adhesive resin cements to enamel using different surface treatments: bond strength and etching pattern evaluations	Dent Mater J. 2010;29(4):425-32
Adhesive restorations in the posterior area with subgingival cervical margins: new classification and differentiated treatment approach [can be accessed on DOSS free by logging in on this page]	Eur J Esthet Dent 2010; 5 (1): 50-76
Effect of dentin location and long-term water storage on bonding effectiveness of dentin adhesives	Dent Mat J 2011 30(1) 7-13
Resin-dentin bond strength of 10 contemporary etch-and-rinse adhesive systems after one year of water storage (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Gen Dent 2010 58(6) e257-e263
Construction and validation of the quality of life measure for dentine hypersensitivity (DHEQ) [Accessible from the Wiley link on this page]	J Clin Periodontol 2010 37 973-980
Short-term in situ / ex vivo study of the anticariogenic potential of a resin-modified glass-ionomer cement associated with adhesive systems [can be accessed on DOSS free by logging in on this page]	Quintess Int 2010 41(10) e192-e199)
In vitro cytocompatibility of n-acetylcysteine-supplemented dentin bonding agents [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endodont 2010 36(11) 1844-1850
Influence of storage conditions of adhesive vials on dentin bond strength (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2010 35(5) 508-514



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Effect of adhesives and thermocycling on the shear bond strength of a nano-composite to coronal and root dentin (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Oper Dent 2010 35(5) 522-529
Effect of chlorhexidine on bond strength of two-step etch-and-rinse adhesive systems to dentin of primary and permanent teeth (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Am J Dent 2010 23 128-132
Microtensile bond strength of three simplified adhesive systems to caries-affected dentin [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2010 12 273-278
Durability of the bond strength of self-adhesive resin cements to human dentin (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Gen Dent 2009 57(4) 350-354
Microtensile bond strength of indirect resin composite to resin-coated dentin: interaction between diamond bur roughness and coating material	Bull Tokyo Dent Coll 2009 50(1) 13-22
An eight-year clinical evaluation of filled and unfilled one-bottle dental adhesives [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Am Dent Assoc 2009 140 28-37
Methods used in dentine bonding tests: an analysis of 102 investigations on bond strength (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Eur J Prosthodont Rest Dent 2008 16(4) 158-165
Enamel bond strength of self-etch sealant with and without prior acid etching [can be accessed on DOSS free by logging in on this page]	NYSDJ 2009 75(2) 49-51
Bond strengths of three different dentin adhesive systems to sclerotic dentin	Dent Materials J 2008 27(3) 471-479
The use of dentine-bonded crowns in anterior tooth surface loss: a case report (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Dent Update 35 622-626
Effect of zirconium-oxide ceramic surface treatments on the bond strength to adhesive resin (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Prosthet Dent 2006 95 430-6
The effect of light-curing source and mode on microtensile bond strength to bovine dentin [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2006 8(1) 41-45
Influence of eugenol-containing temporary cement on bonding of self-etching adhesives to dentin [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2006 8(1) 31-34
Tensile and shear bond strength evaluation of a total-etch three-step and two self-etching one-step dentin bonding systems [can be accessed on DOSS free by logging in on this page]	J Adhes Dent 2006 8(1) 27-30



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Hydrolytic stability of self-etch adhesives bonded to dentin [can be accessed on DOSS free by logging in on this page]	J Dent Res 2005 <u>84</u> (12) 1160-4
A confocal microscopic evaluation of resin-dentin interface using adhesive systems with three different solvents bonded to dry and moist dentin – an in vitro study [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2005 <u>36</u> 511-21
Scanning electron microscopy examination of 3 different adhesive systems [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2005 <u>36</u> 687-94
Seven-year dentin bond strengths of a total- and self-etch system [Accessible from the Wiley link on this page]	Eur J Oral Sci 2005 <u>113</u> 265-70
Shortening of primary dentin etching time and its implication on bond strength (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	J Dent 2005 <u>33</u> 355-62
A three-year clinical evaluation of two-bottle versus one-bottle dentin adhesives [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	JADA 2005 <u>136</u> 311-22
Bond strengths of nine current dentine adhesive systems to primary and permanent teeth [can be accessed on DOSS free by logging in on this page]	J Oral Rehab 2005 <u>32</u> 296-303
Effects of cured dentin bonding materials on human monocyte viability (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Oral Surg Oral Med Oral Pathol 2004 <u>98</u> 619-21
Investigation into the nature of dentin resin tags: a scanning electron microscopic morphological analysis of demineralized bonded dentin (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	J Prosthet Dent 2004 <u>92</u> 233-8
The effect of a resin-based sealer on crown retention for three types of cement (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	J Prosthet Dent 2004 <u>91</u> 428-35
Bonding to and protecting worn palatal surfaces of teeth with dentine bonding agents [can be accessed on DOSS free by logging in on this page]	J Oral Rehab 2004 <u>31</u> 505-9
Four-year water degradation of a resin-modified glass-ionomer adhesive bonded to dentin [Accessible from the Wiley link on this page]	Eur J Oral Sci 2004 <u>112</u> 73-83
A three-year clinical evaluation of two dentin bonding agents [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	JADA 2004 <u>135</u> 451-7
In vitro fracture resistance of root-filled teeth using new-generation dentine bonding adhesives [Accessible from the Wiley link on this page]	Int Endodont J 2003 <u>36</u> 770-3
Have dentin adhesives become too hydrophilic?	J Can Dent Assoc 2003 <u>69</u> 726-31



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Effect of composition and complexity of dentin-bonding agents on operator variability – analysis of gap formation using confocal microscopy [Accessible from the Wiley link on this page]	Eur J Oral Sci 2003 <u>111</u> 523-8
Morphological study of resin-dentin bonding with TEM and in-lens FESEM (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Am J Dent 2003 <u>16</u> 267-74
Variations in tooth preparation for resin-bonded all-ceramic crowns in general dental practice [Log in to the BDA home page and follow the link to the BDJ to access]	Br Dent J 2001 <u>191</u> (12) 677-681
<i>In vivo</i> bonding mechanisms of an experimental dual-cure enamel-dentin bonding system (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Am J Dent 2001 <u>14</u> 105-108
Effect of etching agent on dentinal adhesive interface in primary teeth [can be accessed on DOSS free by logging in on this page]	J Clin Pediatr Dent 2000 <u>24</u> (3) 205-9
Effect of whitening agents on dentin bonding [Accessible from the Wiley link on this page]	J Esthet Dent 2000 <u>12</u> (5) 264-70
Effect of a sodium hypochlorite gel on dentin bonding (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	Dental Mater 2000 <u>16</u> 311-23
Human pulp reaction to dentine bonded amalgam restorations: a histologic study (request using https://www.smartsurvey.co.uk/s/PJHMOV/)	J Dent 2000 <u>28</u> 327-32
Dental unit water line antimicrobial agents' effect of dentin bond strength [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Am Dent Assoc 2000 <u>131</u> 179-83