

simplified Adhesives info

	Brand Name Manufacturer Telephone	# of Uses	Cost Per Use	Working Steps*	# of Steps	Working Time minutes	Shear Bond (MPa)		Microleakage** Overall Score	Microleakage Score** Enamel		Microleakage Score** Below CEJ	
							Bond	St Dev		Score	St Dev	Score	St Dev
Controls: Multi Bottle Adhesives	All-Bond 2 Bisco	209	\$0.71	A,L,C,F,G ,E,K,I	12+	2:25	9.29	1.83	2.02	1.4	1.5	2.6	1.7
	Amalgambond Plus Parkell	112	\$1.47	A,L,C,G,L ,H,J,K,L	9	2:40	7.53	3.53	3.00	2.4	2.2	3.7	1.5
	Optibond FL Kerr	167	\$0.69	A,L,C,G,B ,E,K,I	8	2:12	8.71	2.38	2.05	0.6	0.5	3.5	2.0
	Scotchbond MP 3M	247	\$0.71	A,L,D,G,E ,K,I	7	1:27	9.87	1.85	3.25	2.2	2.2	5.0	0.0
Old Simplified Adhesives	Bond 1 Jeneric/Pentron	208	\$0.24	A,L,C,K,E ,I,K	9+	1:22	8.37	1.68	2.50	3.0	2.3	2.0	1.5
	Clearfil-Liner Bond 2 J. Morita	234	\$0.79	F,G,L,E,K, H,I	7	1:51	8.33	1.52	2.00	0.9	0.5	3.1	2.0
	One-Step Bisco	140	\$0.40	A,L,C,K,B ,E,I,K	9+	1:49	9.33	1.46	2.33	1.4	2.1	3.1	1.9
	PermaQuik Ultradent	45	\$1.36	A,L,C,G,B ,E,I,K,B,H,	9	2:40	10.88	2.37	0.20	0.0	0.0	0.4	0.7
	Prime & Bond Dentsply/Caulk	159	---	A,L,C,K,L ,E,K,E,I	7+	2:03	10.06	1.93	1.20	0.7	0.8	1.7	2.0
	Tenure Quik w/ Fluoride Den-Mat	126	\$0.67	A,L,C,K,E ,I,K	9+	1:55	8.73	2.67	3.25	2.3	1.9	4.2	1.0
New Simplified Adhesives	Dent Bond Dentpac/5 star	164	\$0.30	A,L,C,K,E ,I,K,E	9	2:30	7.11	1.04	2.18	1.5	1.6	2.4	1.3
	OptiBond Solo Kerr	107	\$1.52	A,L,C,K,B ,K,B,I	8	1:43	7.17	2.50	3.15	1.3	2.1	5.0	0.0
	Prime & Bond 2.1 Dentsply/Caulk	309	\$0.72	A,L,C,K,L ,E,I,K,E	9+	2:21	8.93	1.13	1.40	0.3	0.3	2.5	2.2
	Single Bond 3M	281	\$0.44	A,L,C,K,E ,I	7	1:16	8.55	1.06	1.75	2.2	2.2	5.0	0.0
	Syntac Single-Component Ivoclar	108	\$0.82	A,L,C,K,B ,L,E,I,K,E,	10+	2:15	1.76	1.27	2.50	0.9	2.0	2.6	2.5

Working Steps*:

(A) Etching, (B) Agitate, (C) Rinse & dry, (D) Rinse only, (E) No rinse / blow dry, (F) Mix Primer, (G) Apply primer, (H) Air thin, (I) Light cure, (J) Mix adhesive, (K) Apply adhesive, (L) Let set

Grade Rating:**

0=No Leakage; 1=Leakage gingival base; 2=Leakage up to back dentin cavity wall; 3=Leakage on back dentin cavity wall; 4=Leakage into dentin tubules; 5=Leakage into pulp chamber.