

Acid Dyes Powder for Textiles

Apacid®-PT

Color Shade	Apacid ®-PT	C.I.No (Acid)	Dyeing Depth o.w.f%	Fastness Properties (Change of Shade)					
				Light (xenon) 1: 1 standard depth	Washing (40°C)	Hot Pressing 180°C	Perspiration	Rubbing (Dry)	Rubbing (Wet)
	Yellow 2G 120%	Yellow 17	1.2	6	4-5	4-5	3	5	5
	Tartrazine NS 200%	Yellow 23	1.0	4	4-5	4-5	4-5	4-5	4-5
	Golden Yellow G 100%	Yellow 36	1.0	5	4-5	4-5	4-5	4-5	4-5
	Milling Yellow N-SH 150%	Yellow 42	0.8	4-5	4	4-5	4-5	4-5	3-4
	Yellow NFG 200%	Yellow 49	1.0	6	4-5	4-5	4-5	5	4-5
	Yellow 2GL 250%	Yellow 59	1.0	7	4-5	4-5	5	4	4
	Yellow 3GP 140%	Yellow 61	1.0	5-6	4-5	4-5	4-5	5	4-5
	Fluoresceine GDC	Yellow 73	2.0	4	3	3-4	4	4	4
	Yellow 4G 200%	Yellow 79	1.0	6	4	4	4	4	4-5
	Yellow GR 200%	Yellow 99	1.0	5	4-5	4-5	4-5	5	2-3
	Yellow 5GN	Yellow 110	1.3	5	4-5	5	4-5	5	5
	Yellow GRL 200%	Yellow 116	1.0	6-7	6-7	4-5	4-5	4-5	4-5
	Yellow GN 150%	Yellow 117	1.0	4-5	4-5	4-5	4-5	4-5	4-5
	Brill. Yellow 3GL 133%	Yellow 127	1.0	6	4	5	5	5	5
	Yellow M-GL 200%	Yellow 128	1.0	5	4	4	4	4-5	4-5
	Yellow 2RL	Yellow 137	1.5	4-5	4-5	4	4-5	5	5
	Yellow LNW 200%	Yellow151	1.0	4	4-5	4-5	4-5	4-5	4-5
	Yellow S-5GL 200%	Yellow 158:1	1.2	6-7	4	4	4	4	4
	Yellow 8GF 100%	Yellow 184	1.0	4-5	4-5	4-5	4-5	5	5
	Yellow M3RL 200%	Yellow 194	1.0	5-6	4-5	4-5	4-5	4-5	4-5
	Yellow A4R 200%	Yellow 199	1.0	6-7	4-5	4-5	4-5	4	4
	Yellow M5RL	Yellow 204	2	6	5	4-5	5	5	5
	Yellow 3RL 250%	Yellow 219	0.8	6	3-4	5	4	4-5	4-5
	Yellow S-2G 200%	Yellow 220	1.0	6-4	4	4	4	4-5	4-5
	Yellow M-2R 100%	Yellow Mix	1.0	6-7	4	5	4-5	5	5
	Yellow 3R 110%	Orange 3	1.0	5-6	4-5	4-5	4	4	2-3
	Orange II 100%	Orange 7	1.0	5-6	3-4	4	4-5	4-5	3-4

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	Orange 2G 100%	Orange 10	1.0	4-5	4-5	4-5	2	3-4	3-4
	Orange N2G 100%	Orange 24	1.1	3-4	3	3	3	3	3
	Orange GS 150%	Orange 33	1.0	4-5	4-5	4	4-5	4	3-4
	Orange SG 150%	Orange 56	1.0	3	4-5	4-5	4	5	4-5
	Yellow RXL 200%	Orange 67	1.0	6	4-5	4-5	4-5	4-5	4-5
	Orange G 200%	Orange 74	1.0	5-6	4	4-5	4-5	4-5	4-5
	Orange RL 200%	Orange 86	1.0	5-6	4	4-5	4-5	5	4-5
	Orange M-6R 200%	Orange 88	1	1-5	4-5	4-5	4-5	1-3	1-3
	Orange GSN 150%	Orange 95	1.0	5	4-5	1-4	4-5	4	4
	Orange AGT 200%	Orange116	1.0	4	4-5	4-5	4-5	4-5	4-5
	Orange MRL	Orange 142	1.4	4-5	4	4	4-5	4	4
	Orange 2R 200%	Orange 154	1.0	6-7	4-5	5	4-5	4-5	4-5
	Orange 3G 200%	Orange 156	1.2	5	4	5	4	5	4-5
	Orange C-RL	Orange 162	1.8	4-5	5	4	4	4-5	4-5
	Red 2G 100%	Red 1	1.0	4	4-5	4-5	3	4-5	4-5
	Fast Red B 200%	Red 6	1.0	4	3	2-3	2-3	3-4	3-4
	Red B 100%	Red 14	0.8	4-5	4-5	3	4	4-5	4
	Scarlet 3R 100%	Red 18	1.0	3-4	4-5	4-5	3	3	4-5
	Scarlet 4BS	Red 23	1.0	3	3-4	3	2	3	3
	Scarlet 3BX	Red 25	2.5	3-4	3	2	2	2-3	2-3
	Brill. Red GW 100%	Red 27	1.0	3	3	3-4	3-4	3-4	3-4
	Rubine BLA	Red 32	1.3	3-4	4	4	3	4	4
	Red 2A	Red 33	1.1	4-5	4	4	3	3-4	3-4
	Red 4BL	Red 34	2	5-6	6-7	4	4	3	3
	Red BL 200%	Red 37	1.0	5-6	3	2	4	5	3
	Red 2B 200%	Red 42	1.0	6	2	5	3-4	4	4
	Rhodamine B 400%	Red 52	0.6	3	3-4	4	4	5	3

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	Red 3GP 200%	Red 57	1.0	6	4-5	3	4-5	4-5	3-4
	Brill. Scarlet GR 100%	Red 73	1.0	6	3	4-5	3	3-4	3-4
	Fast Red A 100%	Red 88	1.0	3	3	5	2-3	5	3-4
	Scarlet R 200%	Red 97	1.0	4	4	4	4-5	4-5	4-5
	Scarlet F-3GL 130%	Red 111	1.0	5	4-5	4-5	4-5	4	3-4
	Red RS 200%	Red 114	1.0	3-4	4-5	4-5	4.	4-5	4-5
	Red GW 150%	Red 118	1.2	5-6	4-5	3	4-5	4-5	4
	Maroon V 150%	Red 119	1.0	5-6	4-5	4-5	4	4-5	4-5
	Red GN 100%	Red 122	1.2	5	4-5	3-4	4	4-5	4-5
	Red 3BN 150%	Red 131	1.0	4-5	3	3-4	4-5	4-5	4-5
	Scarlet FP 100%	Red137	1.0	4-5	4-5	4-5	4	4-5	4-5
	Red BW 100%	Red 138	1.0	3-4	4-5	5	5	4-5	3
	Red P-BL 150%	Red 151	1.0	2	4	4-5	4-5	4-5	4-5
	Red BB 100%	Red 154	1.0	4-5	4-5	4-5	4-5	4-5	4-5
	Bordeaux R	Red182	1.6	6-7	4-5	4	4-5	4	4
	Red BRS	Red 183	1.90	5	5	4	4	5	5
	Pink BN 200%	Red 186	1.5	5-6	5-6	4-5	4	4-5	4-5
	Red 2GL 200%	Red 211	1.0	5-6	4-5	3-4	4-5	4	3-4
	Bordeaux GRL 200%	Red 213	1.0	6-7	4-5	5	4-5	4-5	4
	Pink M-BL 200%	Red 215	1.0	5	4-5	4-5	4-5	4-5	4-5
	Brill. Red B 125%	Red 249	1.0	4-5	4-5	4-5	4-5	4-5	4-5
	Bordeaux EL 200%	Red 251	1.0	6	4-5	4-5	4-5	4-5	4-5
	Brill. Red BL 200%	Red 252	1.0	5	4-5	4-5	4-5	4-5	4-5
	Floxine NK 200%	Red 257	1.2	6	5	4-5	4-5	4-5	4-5
	Fast Red BL 200%	Red 260	1.0	4-5	4	4-5	4-5	4-5	4-5
	Red E-BM 200%	Red 266	1.0	6	5	5	5	4-5	4-5
	Rubine 5BL 200%	Red 299	0.5	3	4-5	4-5	4	4-5	4

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	Red S-G 100%	Red 315	1.0	6-7	4	4-5	4	4-5	4-5
	Red N-2RBL 200%	Red 336	1.0	5-6	4-5	2-3	4-5	5	4-5
	Red F-2G 200%	Red 337	1.2	5	4	4-5	5	4	3-4
	Red 2G	Red 357	1.5	4	4-5	5	4-5	4	4-5
	Red SGN 200%	Red 359	1.0	5	4-5	4-5	4-5	4-5	4-5
	Fast Red 2B 200%	Red 361	1.0	6	4-5	4-5	4-5	4-5	4-5
	Red BR 100%	Red 362	1.8	5	4-5	4-5	4-5	5	5
	Scarlet FG 150%	Red 374	1.0	3-4	4-5	4-5	4-5	4-5	4-5
	Bordeaux S-B 100%	Red 405	1.0	6-7	4	4	4	4-5	4-5
	Red S-3G 200%	Red 407	1.0	5	4	4-5	4-5	4-5	4-5
	Pink B-LRF	Red 418	2.0	6-7	5-6	5	6	4	4
	Red K-RLL	Red 426	2.0	6	5	4-5	5	4-5	4-5
	Red A-3G 200%	Red 447	1.0	-	-	-	-	-	-
	Red W-RN 100%	Red mix	1.2	3	4-5	3-4	4	4	3-4
	Red W-BL 100%	Red mix	1.0	3	4-5	3-4	4-5	4-5	4-5
	Fast Brown R 200%	Brown 2	1.5	3-4	4-5	4	4-5	4-5	4
	Brown R 200%	Brown 4	1.0	2	3-4	4-5	2-3	4	4
	Brown 8	Brown 8	1.3	4	4	5	3-4	4	4-5
	Brown 9	Brown 9	1.4	5	4	5	3-4	4	4-5
	Brown RD 100%	Brown 14	1.0	2	3-4	4-5	2-3	4	4
	Brown BRL 100%	Brown 21	1.0	6	4-5	4-5	4-5	3-4	3-4
	Brown M-RL 200%	Brown 28	1.0	6-7	4-5	4-5	4	4-5	4-5
	Brown 2R 100%	Brown 75	1.0	4-5	3-4	4	4-5	4-5	4-5
	Brown CG	Brown 83	1.2	4	4	4	3-4	5	4-5
	Brown MFR 100%	Brown 97	1.0	-	-	-	-	-	-
	Brown 5GL 100%	Brown 98	1.0	-	-	-	-	-	-
	Brown AFA 100%	Brown161	1.0	-	-	-	-	-	-

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	Brown NR 100%	Brown 163	1.0	4-5	3-4	4	4-5	4-5	3-4
	Brown NT 100%	Brown 165	1.0	4	3-4	4	4-5	4-5	3-4
	Brown DR 100%	Brown191	1.0	-	-	-	-	-	-
	Brown RT 100%	Brown 214	1.0	-	-	-	-	-	-
	Dark Brown S-GR 150%	Brown 282	1.0	6-7	4	4-5	4-5	4-5	4-5
	Brown S3R 150%	Brown 283	1.0	6-7	4	4-5	4-5	4-5	4-5
	Brown S-BL 100%	Brown 289	1.0	6-7	4	4	4-5	4-5	4-5
	Brown S-GL 200%	Brown 298	1.0	6-7	4	4	4-5	4-5	4-5
	Brown SCG	Brown 322	1.5	5-6	4	4	4-5	4-5	4-5
	Brown SR 100%	Brown 348	1.0	-	4-5	3-4	4-5	4-5	4
	Brown SG 100%	Brown 349	1.0	-	-	-	-	-	-
	Brown MBL 300%	Brown 355	2.0	6-7	4-5	4-5	4-5	4-5	4-5
	Brown P3R	Brown 360	2.1	5-6	4-5	4-5	4	4-5	4-5
	Brown M2RL	Brown 365	2.0	6	4-5	4	4-5	3-4	3-4
	Brown 2RL	Brown 425	1.4	4-5	4	3-4	4	3-4	3-4
	Brown WG	Brown 432	1.5	4-5	4	4	4-5	4	4
	Brown 5GX	Brown 452	1.2	4-5	4	4	4-5	4	4
	Sky blue A 100%	Blue 7	1.0	1	4	4-5	4-5	4-5	3
	Tur Blue AE FB 200%	Blue 9	1.0	3	2	4	3	4	3
	Blue FF	Blue 15	1.5	4	3-4	4	3-4	4	4
	Blue AS 100%	Blue 25	1.0	5-6	3	4	3-4	4	3
	Blue A2G 160%	Blue 40	1.0	4	4-5	4-5	4-5	4-5	4-5
	Blue AM 200%	Blue 41	1.0	5-6	3	4-5	3-4	5	5
	Blue E-BL 200%	Blue 45	1.0	5-6	2	4-5	2-3	4-5	4-5
	Blue 52	Blue 52	1.2	5	3	4-5	3-4	4	4-5
	Brill. Sky blue R 200%	Blue 62	1.0	4-5	4-5	4-5	4	4-5	4
	Brill. Blue RAW 150%	Blue 80	1.0	5-6	4-5	4-5	4-5	4-5	4-5

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	Brill. Blue 6B 350%	Blue 83	1.0	3	4-5	4	4-5	4-5	3
	Blue TB	Blue 86	2.0	2	3-4	4	3	4	4
	Brill. Blue G 360%	Blue 90	1.0	4-5	4-5	4-5	4-5	4-5	4-5
	Navy Blue R 100%	Blue 92	1.0	5	4-5	4	3-4	4-5	4-5
	Ink Blue G 100%	Blue 93	1.0	-	-	-	-	-	-
	Brill. Blue PI 100%	Blue 104	1.0	1	4	4	4	4-5	4-5
	Navy Blue 5R 120%	Blue 113	0.8	5-6	4-5	3	5	4	3-4
	Navy Blue GR 100%	Blue 120	1.0	4	4-5	4-5	4-5	4-5	4
	Milling Blue GW 180%	Blue 127:1	1.0	5	4-5	4	4-5	4-5	4
	Blue P-R 200%	Blue 129	1.0	5-6	4-5	4-5	4-5	4-5	4-5
	Milling Blue BW 200%	Blue 138	1.0	5	4-5	4-5	4-5	4-5	4-5
	Milling Blue 2RW 200%	Blue 140	0.8	6	5	5	5	4-5	4-5
	Blue CD-FG 250%	Blue 145	1.0	5-6	2-3	5	3-4	4-5	4-5
	Blue 2G 200%	Blue158	1.2	5-6	4-5	4	4-5	4-5	4-5
	Blue 3GL 200%	Blue 171	0.8	6-7	4	4-5	4-5	4	4
	Blue HRL 200%	Blue 182	1.0	5-6	3-4	4-5	3-4	4-5	4-5
	Blue 8G 100%	Blue185	1.5	2	4	4-5	4	4-5	4-5
	Blue 2R 100%	Blue193	1.5	6	4	4	4	4	4
	Turq Blue FBL	Blue 199	2.3	6-7	3	3	4	4-5	3
	Brill. Sky blue GLW 200%	Blue 221	1.0	6	4-5	4-5	3-4	4-5	4-5
	Blue 2R 200%	Blue 225	1.0	6	4-5	4-5	5	4-5	4-5
	Fast Blue G 200%	Blue 230	1.0	4	4	4	4	4	4-5
	Brill. Blue R 200%	Blue 260	1.0	6	3-4	4-5	4-5	4-5	4-5
	Blue AFN 200%	Blue 264	1.0	5	5	5	4	4-5	4-5
	Blue 4RL 200%	Blue 277	1.0	4-5	4-5	4-5	4-5	4-5	4
	Blue GLF 200%	Blue 281	1.0	5-6	4	4-5	4-5	4-5	4-5
	Navy Blue S2B 200%	Blue 284	2.0	6-7	4	4	4-5	4-5	4-5

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	Navy S-G 150%	Blue 317	1.0	6-7	4	4	4	4-5	4-5
	Blue BRLL 200%	Blue 324	1.2	4	4-5	4-5	4-5	4-5	4
	Navy S-NL 200%	Blue 348	1.0	6-7	4-5	4	5	5	5
	Blue MF-8LN 200%	Blue 350	1.5	4-5	5	4-5	5	4-5	4
	Black 10B 120%	Black 1	3.0	5-6	4-5	4-5	4	4	2-3
	Nigrosine B/Black NG 100%	Black 2	4.0	5	4	4-5	4	3-4	2-3
	Black BR 150%	Black 24	3.0	6-7	4-5	4	4-5	4-5	3-4
	Black VL 200%	Black 26	3.0	6	4	4-5	4	4-5	4
	Fast Black M-B 100%	Black 29	3.0	4-5	3-4	4-5	4-5	-	-
	Black WA 150%	Black 52	4.0	7	4-5	4-5	4-5	4	4
	Grey BL 150%	Black 60	2.0	6	4-5	4-5	4-5	4	4
	Black RB 100%	Black 63	3.0	7	4	4-5	5	5	5
	Grey AWW	Black 71	4.0	5-6	4-5	4	4	4	4
	Grey GC	Black 84	3.5	6	6	4	5	4	4
	Black BGL 200%	Black 107	3.0	5	4-5	4-5	4-5	4	4
	Black 132 100%	Black 132	3.0	5-6	4-5	3	4-5	4-5	4-5
	Black BL 100%	Black168	3.0	7-8	4-5	4-5	4-5	4	4
	Black LD 140%	Black 172	3.0	4-5	4	4-5	4-5	4-5	4
	Black BGF 100%	Black 188	3.0	-	-	-	-	-	-
	Black MSRL 140%	Black 194	3.0	4-5	4-5	4-5	4-5	4-5	4-5
	Grey S-B 100%	Black 207	3.0	6-7	4	4	4	4	4-5
	Black NT 180%	Black 210	4.0	3	2-3	4	4-5	4-5	4-5
	Black NB 175%	Black 234	2.5	-	-	-	-	-	-
	Black ATT 130%	Black mix	4.0	6-7	4-5	4-5	4	4-5	3
	Green B 100%	Green 1	1.0	5	4	3-4	3-4	4	4
	Brill. Green V	Green 16	1.3	4	4-5	4	4-5	4	4
	Dark Green GB 100%	Green 20	1.0	3-4	3	4	4-5	4-5	4

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	Green GS 160%	Green 25	1.0	5-6	5	4-5	4-5	4-5	4-5
	Neutral Green GS 130%	Green 25	1.0	5-6	4	4	4	4-5	4
	Green GLW 120%	Green 27	1.0	6	3-4	4	4-5	4-5	4-5
	Green 5GW 200%	Green 28	1.2	6	4	3-4	4-5	5	4
	Dark Green N	Green 68	1.3	5	4	3-4	4	4	4
	Green S-G 100%	Green 73	2.0	6-7	4	4-5	4-5	4-5	4-5
	Olive MB GL 100%	Green 104	2.0	6	4-5	4-5	5	4	4
	Green BS 200%	Green 111	2	4-5	4-5	4-5	5	5	5
	Violet 5BN 180%	Violet 17	1.0	1	3-4	4	4-5	4-5	4-5
	Brill. Violet R 233%	Violet 43	1.0	5	1-2	3	3-4	3-4	3
	Violet FBL 180%	Violet 48	1.2	5-6	4-5	4-5	4-5	4-5	4-5
	Brill.Violet 10B 140%	Violet 54	1.0	4-5	4-5	4-5	4-5	4-5	4-5
	Violet M-BL 200%	Violet 68	1.0	6-7	4-5	4-5	4-5	4-5	4-5
	Bordeaux MB 100%	Violet 90	1.2	6	4-5	4-5	4-5	4-5	4-5