

Reactive Dyes Powder for Textiles

Apactive® VS

Color Shade	Apactive® VS	C.I.No.	1/ 1 Standard Depth	Migration Index (%)	Level Dyeing Factor (%)	Reactivity Index T50 (min)	Fixation Yield (%)	Process Suitability			Washing Fastness		Dischargeability	Light Fastness (AATCC/16E,20 AFU)					Crock Fastness		Solubility (G/L)			Post Fastness Properties						
								Exhaust	Cold Pad Bath	Continuous / e-Dyeing	CO6/C2S 60 °C	CO6/C2S 95 °C		1/25	1/12	1/6	1/3	1/1	Dry	Wet	30 °C	+ 60 gpl Salt	+ 60 gpl Soda	Water Fastness (ISO 105 E01) (C.C/S,C)	Chlorinated Water(ISO 105 Eo3) 20ppm	Oxaditave Bleach (M&S C10A)	Hydrolysis (C11)	Mercerizing (ISO 105 jx 04)	Perspiration Acid (Eo4)(C.C/S,C)	Perspiration Alkali (Eo4)(C.C/S,C)
	Yellow GR	Yellow 15	3.00	80	71	11	80	✓	✓	✓	4-5 4-5	4-5 4	✓	3	3	3	3-4	4	4-5	4	150	125	100	4-5 5	4	-	-	4-5 4	4-5 4-5	4-5 4-5
	Yellow GL	Yellow 37	5.0	86	78	13	85	✓	✓	✓	4-5	4-5	✓	3-4	4	5	5	5	5	4-5	200	100	154	4-5 5	4	4	4	4	4-5 4-5	4-5 4-5
	Yellow FG	Yellow 42	4.50	85	78	12	84	✓	✓	✓	4-5	4-5	✓	5	5	5	5	5	5	4	200	200	200	5 4-5	3-4	4OT	4	4	4-5	4-5
	Golden Yellow R	-	4.20	82	77	12	82	✓	✓	✓	4	4-5	✓	4	4	4	4	4-5	4-5	4	120	100	100	4-5 5	3-4	4OT	4	4	4-5	4-5
	Yellow 4GL	Yellow 160	6.00	92	86	14	86	✓	✓	✓	4	4	✓	3-4	4	4	4-5	5	4-5	4	160	120	100	5 4-5	4	4OT	3-4 4-5	3-4 4	4-5 4-5	4-5 4-5
	Orange 2R	Orange 7	5.60	80	80	12	80	✓	✓	✓	4-5 4	3-4 4	✓	4	4	4	4	4	4-5	4	150	130	100	4-5 5	4	4OT	4-5	4-5	4	4-5
	Orange 3R	Orange 16	6.00	90	88	12	86	✓	✓	✓	4-5	3-4 4	✓	3-4	4	4	4-5	4-5	5	4-5	60	100	80	5 4-5	4	4OT	3-4 4-5	3-4 4	4-5 4-5	4-5 4-5
	Golden Yellow RNL	Orange 107	6.00	89	86	14	85	✓	✓	✓	4-5	4-5 4	✓	3-4	4	4	4-5	5	5	4	200	200	200	4-5 5	3	4OT	3-4 4-5	3-4 4	4-5 4-5	4-5 4-5
	Red BB	Red 21	3.25	90	84	13	88	✓	✓	✓	4-5	4-5 4-5	✓	3	3-4	3-4	4	5	4-5	4	125	100	100	5 4-5	4	4OT	4 4-5	4 4-5	4-5 4-5	4-5 4-5
	Red 3B	Red 23	4.00	40	30	10	60	✓	✓	✓	4-5	4-5	✓	4	4	4	4	4	4-5	4-5	150	125	100	4-5 5	4	4OT	4 4-5	4 4-5	4-5 4-5	4-5 4-5
	Red 5B	Red 35	4.1	86	84	14	88	✓	✓	✓	4-5	4	✓	4	4	4	4	4-5	4-5	4	150	130	130	5 4-5	3-4	4OT	4	4-5	4	4-5
	Red BSID	Red 111	3.4	90	88	12	85	✓	✓	✓	4-5	4-5 4	✓	3	4	4-5	4-5	5	5	3-4	50	100	80	4-5 4-5	4	4OT	4 4-5	4-5	4-5 4-5	4-5 4-5
	Red F3B	Red 180	3.32	90	86	13	86	✓	✓	✓	4-5	4-5	✓	3-4	4	4	4	4-5	4-5	4	200	200	200	4-5 4-5	4-5	4OT	4 4-5	4 4-5	4-5 4-5	4-5 4-5
	Red RB	Red 198	3.25	92	80	12	85	✓	✓	✓	4-5	4-5 4-5	✗	2	2	2-3	3	3-4	4-5	3-4	100	70	80	5 4-5	4	4OT	3-4 4-5	4 4-5	4-5 4-5	4-5 4-5
	Red CD	Red 276	3.90	90	88	14	90	✓	✓	✓	5	5	✓	4	4	4	4	5	4-5	4	200	130	200	4 4-5	4-5	4OT	4	4	5	5

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								Exhaust	Cold Pad Bath	Continuous / e-Dyeing	CO6/C2S 60 °C	CO6/C2S 95 °C		1/25	1/12	1/6	1/3	1/1	Dry	Wet	30 °C	+ 60 gpl Salt	+ 60 gpl Soda	Water Fastness (ISO 105 E01) (C.C/S,C)	Chlorinated Water(ISO 105 Eo3) 20ppm	Oxaditave Bleach (M&S C10A)	Hydrolysis (C11)	Mercerizing (ISO 105 jx 04)	Perspiration Acid (Eo4)(C.C/S,C)	Perspiration Alkali (Eo4)(C.C/S,C)
	RED TF-DB	-	1.60	-	-	-	-	✓	✓	✓	4-5	3-4	-	3	3	3-4	4	4-5	4	4	200	200	200	4-5 4-5	4	-	-	-	4-5	4
	Brown GR	Brown 18	6.50	80	77	12	84	✓	✓	✓	4-5	4-5 4	✓	4	4	4	4	4-5	4-5	4	120	100	80	4-5 4-5	4	4OT	3-4 4	4-5	4-5 4-5	4-5 4-5
	Blue R Spl AS	Blue 19	6.70	88	80	12	85		✓	✓	4-5	4-5 4-5	✗	4	4	4	4	4	4-5	4-5	200	80	70	4 4-5	4	4OT	4 4-5	3-4 4-5	4-5 4-5	4-5 4-5
	Blue R 150%	Blue 19	6.50	88	80	12	85	✓	✗	✗	4-5	4-5 4-5	✗	4	4	4	4	4-5	4-5	4-5	200	125	154	4-5 4-5	4	4OT	4 4-5	4 4-5	4-5 4-5	4-5 4-5
	Turquoise Blue G	Blue 21	3.30	85	80	12	85	✓	✓	✓	5	4-5	✗	3-4	4	4	4-5	5	4-5	3	154	125	200	4-5 4-5	3-4	-	5	4 4-5	4-5	5
	Blue 3R	Blue 28	6.50	88	80	12	82	✓	✓	✓	4-5	4-5 4	✗	4	4	4	4	4	4-5	4	120	100	80	4 4-5	4-5	4OT	4 4-5	4 4	4	4-5
	Turquoise Green 6B	Blue 38	5.50	89	80	13	85	✓	✓	✓	4-5 4-5	4-5 4	✗	3-4	4	4	4-5	5	4-5	3	200	200	200	4 4-5	3-4	-	-	3-4 4	4-5 4-5	4-5 4-5
	Blue HR	Blue 89	6.0	90	85	14	90	✓	✓	✓	4 4	4 4	✓	4-5	4-5	4-5	4-5	4	4-5	4	200	200	200	5 4-5	5	4OT	3	4-5 4-5	4-5 4-5	4-5 4-5
	Navy Blue GG	Blue 203	6.00	90	80	12	85	✓	✓	✓	4-5 4-5	4-5	✓	2-3	2-3	3	4	4	4-5	4	175	80	70	4-5 5	3-4	4OT	4 4-5	4	4-5 4-5	4-5 4-5
	Blue BB	Blue 220	8.00	82	87	13	85	✓	✓	✓	4-5 4-5	4-5 4	✓	4	4	4	4	4-5	4-5	4-5	200	200	200	4-5 4-5	4	4OT	4-5	4 4	4-5	4-5
	Navy Blue RGB	Blue 250	3.63	94	85	14	87	✓	✓	✓	4-5 4-5	4-5	✓	-	3	3-4	3-4	4	4-5	4	175	125	100	5 4-5	4	4OT	4 4-5	4	4-5 4-5	4-5 4-5
	Black B	Black 5	6.0	90	85	14	90	✓	✓	✓	4-5 4-5	4-5	✓	3-4	3-4	3-4	3-4	4	4-5	4	200	200	200	5 4-5	5	4OT	4	4-5 4-5	5	4-5
	Black RL	Black 31	5.00	95	81	12	80	✓	✓	✓	4-5 4-5	4-5	✓	3-4	4	4	4	4	4-5	4	150	75	70	4-5 4-5	4	4OT	4-5	4-5 4	4-5 4-5	4-5 4-5
	Super Black G	-	6.00	-	-	-	-	✓	✓	✓	4-5	4-5	-	3	3	3-4	3-4	4	4-5	3-4	200	200	200	4-5 5	3-4	-	-	-	4-5	5
	Super Black R	-	6.00	-	-	-	-	✓	✓	✓	4-5	4	-	3	3	3-4	3-4	4	4-5	3-4	200	200	200	4-5 4-5	3-4	-	-	-	4-5	5

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								Exhaust	Cold Pad Bath	Continuous / e-Dyeing	CO6/C2S 60 °C	CO6/C2S 95 °C		1/25	1/12	1/6	1/3	1/1	Dry	Wet	30 °C	+ 60 gpl Salt	+ 60 gpl Soda	Water Fastness (ISO 105 E01) (C.C/S,C)	Chlorinated Water(ISO 105 Eo3) 20ppm	Oxaditave Bleach (M&S C10A)	Hydrolysis (C11)	Mercerizing (ISO 105 jx 04)	Perspiration Acid (Eo4)(C.C/S, C)	Perspiration Alkali (Eo4)(C.C/S,C)
	Violet 5R	Violet 5	2.00	-	-	-	-	✓	✓	✓	4-5	4-5	-	-	-	-	-	-	-	-	100	100	200	4-5 4-5	4	-	-	-	4 4-5	4-5
	Violet BS	-	2.50	-	-	-	-	✓	✓	✓	4-5	4-5	-	3	3	3-4	3-4	3-4	4-5	3-4	40	40	40	5 4-5	3-4	-	-	-	4-5	4-5

✓	Recommended
✗	Not Recommended
∅	Limited Interest