

cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21



108

mm	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200									
inch	0	1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10									
Color Patches	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.79	97.06	92.02	87.34	82.74	78.12	73.49	68.88	64.26	59.64	55.03	50.42	45.80	41.19	36.57	31.96	27.34	22.73	18.12	13.51	8.89	4.28
a*	11.81	18.11	-4.34	13.80	9.82	-33.43	34.26	11.81	48.55	-0.41	-0.60	-0.74	-0.87	-1.02	-1.14	-1.28	-1.41	-1.54	-1.67	-1.80	-1.93	-2.06	-2.19	-2.32	-2.45	-2.58	-2.71	-2.84	-2.97	-3.10
b*	15.07	18.11	24.49	20.96	24.49	-0.35	59.60	54.91	-46.07	1.13	1.99	2.72	3.44	4.17	4.90	5.63	6.36	7.09	7.82	8.55	9.28	10.01	10.74	11.47	12.20	12.93	13.66	14.39	15.12	15.85
D50	1.998	2.294	2.000	1.969	2.029	2.396	2.310	1.998	2.294	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Munsell Color Services Laboratory