

$XYZ_w = 98.12, 100.0, 86.5$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [ (x - x_c) / y ]$

$b_2 = b_{20} [ z / y ]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.000$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o)

of maximum (m)  $C_{AB}$  in

chromatic value diagram ( $A_2, B_2$ )

Illumin. P50,  $Y_w = 100, Y_N = 25$

| Name  | Range   | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|-------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 570_775 | 71.2  | 52.15 | 21.74 | 0.4907 | 0.3594 | 601         | 491         |
| $Y_d$ | 495_775 | 87.5  | 95.47 | 24.74 | 0.4212 | 0.4596 | 573         | 467         |
| $G_d$ | 495_570 | 40.92 | 68.42 | 24.71 | 0.3052 | 0.5103 | 542         | 542c        |
| $C_d$ | 380_570 | 51.57 | 72.97 | 86.49 | 0.2443 | 0.3457 | 491         | 601         |
| $B_d$ | 380_495 | 35.27 | 29.64 | 83.49 | 0.2376 | 0.1997 | 467         | 573         |
| $M_d$ | 570_495 | 81.85 | 56.7  | 83.52 | 0.3685 | 0.2553 | 542c        | 542         |
| $W_d$ | 380_775 | 98.12 | 100.0 | 86.5  | 0.3447 | 0.3513 | 100%        |             |
| $N_d$ | 380_775 | 24.53 | 25.0  | 21.62 | 0.3447 | 0.3513 | 25%         |             |
| $Z_d$ | 380_775 | 17.66 | 18.0  | 15.57 | 0.3447 | 0.3513 | 18%         |             |

