

$XYZ_w = 99.2, 100.0, 76.07$

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

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

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

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

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

$x_c = 0.110, B_c = 1.100$

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

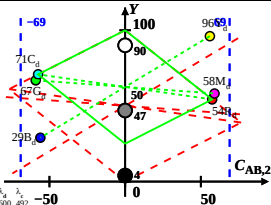
6 Ostwald colours (o)

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

linear colour space ( $C_{AB,2}, Y$ )

Illumin. P45,  $Y_w = 100, Y_N = 25$

| Name  | Range   | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|-------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 572_775 | 74.5  | 54.26 | 19.12 | 0.5037 | 0.3669 | 600         | 492         |
| $Y_d$ | 497_775 | 89.97 | 96.07 | 22.25 | 0.4319 | 0.4612 | 574         | 467         |
| $G_d$ | 497_572 | 40.37 | 66.9  | 22.21 | 0.3117 | 0.5166 | 541         | 541c        |
| $C_d$ | 380_572 | 49.63 | 70.85 | 76.05 | 0.2525 | 0.3605 | 492         | 600         |
| $B_d$ | 380_497 | 34.15 | 29.04 | 72.93 | 0.2508 | 0.2133 | 467         | 574         |
| $M_d$ | 572_497 | 83.75 | 58.21 | 72.96 | 0.3896 | 0.2708 | 541c        | 541         |
| $W_d$ | 380_775 | 99.2  | 100.0 | 76.07 | 0.3603 | 0.3632 | 100%        |             |
| $N_d$ | 380_775 | 24.8  | 25.0  | 19.01 | 0.3603 | 0.3632 | 25%         |             |
| $Z_d$ | 380_775 | 17.85 | 18.0  | 13.69 | 0.3603 | 0.3632 | 18%         |             |



Parameter:

Y & Name

Illuminant P45

$Y_w = 100, Y_N = 25$