

$XYZ_w = 97.45, 100.0, 95.98$

$A = 2.5 (a - a_n) Y$

$B = 2.5 B_c (b - b_n) Y$

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

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

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

$x_c = 0.000, B_c = 1.000$

$C_{AB} = [A^2 + B^2]^{1/2}$

6 Ostwald colours (o)

of maximum (m)  $C_{AB}$  in  
chromatic value diagram (A, B)<sup>100</sup>

Illumin. P55,  $Y_w = 100, Y_N = 4$

| Name  | Range   | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $61C_d$ |
|-------|---------|-------|-------|-------|--------|--------|-------------|---------|
| $R_d$ | 569_775 | 65.4  | 42.64 | 3.98  | 0.5837 | 0.3806 | 597 490     |         |
| $Y_d$ | 494_775 | 82.28 | 94.94 | 9.62  | 0.4403 | 0.5081 | 572 464     |         |
| $G_d$ | 494_569 | 20.87 | 56.4  | 9.57  | 0.2403 | 0.6493 | 536 536c    |         |
| $C_d$ | 380_569 | 36.05 | 61.46 | 95.94 | 0.1863 | 0.3176 | 490 597     |         |
| $B_d$ | 380_494 | 19.17 | 9.15  | 90.3  | 0.1616 | 0.0771 | 464 572     |         |
| $M_d$ | 569_494 | 80.57 | 47.69 | 90.35 | 0.3685 | 0.2181 | 536c 536    |         |
| $W_d$ | 380_775 | 97.45 | 100.0 | 95.98 | 0.3321 | 0.3407 | 100%        |         |
| $N_d$ | 380_775 | 3.89  | 4.0   | 3.83  | 0.3321 | 0.3407 | 4%          |         |
| $Z_d$ | 380_775 | 17.54 | 18.0  | 17.27 | 0.3321 | 0.3407 | 18%         |         |

Parameter:

Y & Name

Illuminant P55

$Y_w = 100, Y_N = 4$

