

$XYZ_w = 97.45, 100.0, 95.98$

$A_1 = 2.5 (a_1 - a_{1,n}) Y$

$B_1 = 2.5 B_c (b_1 - b_{1,n}) Y$

$a_1 = a_{20} [(x - x_c) / y]$

$b_1 = b_{20} [z / y]$

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

$x_c = 0.110, B_c = 1.000$

$C_{AB1} = [A_1^2 + B_1^2]^{1/2}$

6 Ostwald colours (o)

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

Illumin. P55,  $Y_w = 100, Y_N = 0$

| Name           | Range   | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $60C_{cd}$ |
|----------------|---------|-------|-------|-------|--------|--------|-------------|------------|
| R <sub>d</sub> | 569_775 | 64.09 | 40.3  | 0.24  | 0.6124 | 0.3851 | 597         | 490        |
| Y <sub>d</sub> | 494_775 | 81.66 | 94.73 | 6.1   | 0.4474 | 0.519  | 572         | 464        |
| G <sub>d</sub> | 494_569 | 17.76 | 54.62 | 6.05  | 0.2264 | 0.6963 | 536         | 536c       |
| C <sub>d</sub> | 380_569 | 33.55 | 59.89 | 95.93 | 0.1771 | 0.3162 | 490         | 597        |
| B <sub>d</sub> | 380_494 | 15.98 | 5.46  | 90.06 | 0.1433 | 0.0489 | 464         | 572        |
| M <sub>d</sub> | 569_494 | 79.88 | 45.57 | 90.11 | 0.3705 | 0.2113 | 536c        | 536        |
| W <sub>d</sub> | 380_775 | 97.45 | 100.0 | 95.98 | 0.3321 | 0.3407 | 100%        |            |
| N <sub>d</sub> | 380_775 | 0.09  | 0.1   | 0.09  | 0.332  | 0.3406 | 0%          |            |
| Z <sub>d</sub> | 380_775 | 17.54 | 18.0  | 17.27 | 0.3321 | 0.3407 | 18%         |            |

Parameter:

Y & Name

Illuminant P55

$Y_w = 100, Y_N = 0$

