

$XYZ_w = 96.42, 100.0, 82.49$

$A = 2,5 (a - a_n) Y$

$B = 2,5 B_c (b - b_n) Y$

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

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

$a_{20} = 1, b_{20} = -0,4$

$x_c = 0,000, B_c = 1,000$

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

6 Ostwald colours (o)

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

Illumin. D50,  $Y_w = 100, Y_N = 50$

| Name  | Range   | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|-------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 570_775 | 80.72 | 70.07 | 41.35 | 0.42   | 0.3646 | 598         | 491         |
| $Y_d$ | 496_775 | 89.81 | 97.06 | 43.46 | 0.3899 | 0.4214 | 573         | 468         |
| $G_d$ | 496_570 | 57.4  | 77.09 | 43.43 | 0.3226 | 0.4332 | 538         | 538c        |
| $C_d$ | 380_570 | 64.05 | 80.07 | 82.51 | 0.2826 | 0.3532 | 491         | 598         |
| $B_d$ | 380_496 | 54.96 | 53.08 | 80.4  | 0.2916 | 0.2816 | 468         | 573         |
| $M_d$ | 570_496 | 87.37 | 73.05 | 80.43 | 0.3627 | 0.3033 | 538c        | 538         |
| $W_d$ | 380_775 | 96.42 | 100.0 | 82.49 | 0.3457 | 0.3585 | 100%        |             |
| $N_d$ | 380_775 | 48.21 | 50.0  | 41.24 | 0.3457 | 0.3585 | 50%         |             |
| $Z_d$ | 380_775 | 17.35 | 18.0  | 14.84 | 0.3457 | 0.3585 | 18%         |             |

Parameter:

Y & Name

Illuminant D50

$Y_w = 100, Y_N = 50$

