

$XYZ_W = 108.04, 100.0, 39.55$

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

Illumin. P30,  $Y_W = 100, Y_N = 50$

| Name  | Range   | $X_d$  | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|--------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 578_775 | 93.17  | 71.4  | 19.83 | 0.5052 | 0.3871 | 604         | 498         |
| $Y_d$ | 503_775 | 105.07 | 98.0  | 21.09 | 0.4687 | 0.4371 | 580         | 473         |
| $G_d$ | 503_578 | 66.03  | 76.7  | 21.07 | 0.4031 | 0.4682 | 546         | 546c        |
| $C_d$ | 380_578 | 69.05  | 78.74 | 39.54 | 0.3685 | 0.4203 | 498         | 604         |
| $B_d$ | 380_503 | 57.14  | 52.14 | 38.28 | 0.3872 | 0.3533 | 473         | 580         |
| $M_d$ | 578_503 | 96.19  | 73.44 | 38.3  | 0.4625 | 0.3531 | 546c        | 546         |
| $W_d$ | 380_775 | 108.04 | 100.0 | 39.55 | 0.4363 | 0.4038 | 100%        |             |
| $N_d$ | 380_775 | 54.02  | 50.0  | 19.77 | 0.4363 | 0.4038 | 50%         |             |
| $Z_d$ | 380_775 | 19.44  | 18.0  | 7.11  | 0.4363 | 0.4038 | 18%         |             |

Parameter:

Y & Name

Illuminant P30

$Y_W = 100, Y_N = 50$

