

$XYZ_w = 98.07, 100.0, 118.22$

$A_1 = 2,5 (a_1 - a_{1,n}) Y$

$B_1 = 2,5 B_c (b_1 - b_{1,n}) Y$

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

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

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

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald colours (o)

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

Illumin. C00,  $Y_w = 100, Y_N = 10$

| Name           | Range   | $X_d$ | $Y_d$ | $Z_d$  | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_{sc}$ |
|----------------|---------|-------|-------|--------|--------|--------|-------------|----------------|
| R <sub>d</sub> | 567_775 | 64.91 | 45.36 | 11.98  | 0.5309 | 0.371  | 596         | 487            |
| Y <sub>d</sub> | 492_775 | 80.42 | 94.63 | 18.17  | 0.4162 | 0.4897 | 571         | 463            |
| G <sub>d</sub> | 492_567 | 25.41 | 59.36 | 18.12  | 0.2469 | 0.5768 | 535         | 535c           |
| C <sub>d</sub> | 380_567 | 43.07 | 64.74 | 118.19 | 0.1905 | 0.2864 | 487         | 596            |
| B <sub>d</sub> | 380_492 | 27.56 | 15.47 | 112.0  | 0.1777 | 0.0998 | 463         | 571            |
| M <sub>d</sub> | 567_492 | 82.57 | 50.74 | 112.04 | 0.3365 | 0.2068 | 535c        | 535            |
| W <sub>d</sub> | 380_775 | 98.07 | 100.0 | 118.22 | 0.31   | 0.3161 | 100%        |                |
| N <sub>d</sub> | 380_775 | 9.8   | 10.0  | 11.82  | 0.31   | 0.3161 | 10%         |                |
| Z <sub>d</sub> | 380_775 | 17.65 | 18.0  | 21.28  | 0.31   | 0.3161 | 18%         |                |

Parameter:

Y & Name

Illuminant C00

$Y_w = 100, Y_N = 10$

