

$XYZ_W=96.42, 100.0, 82.49$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

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

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o),  $C_{AB,2} = \text{const}$

colour space ( $C_{AB,2}, L_{CIE}^*$ )

$L_{CIE}^* = 116(Y/100)^{1/3} - 16$  ( $Y > 0,8856$ ) or

$L_{CIE}^* = 116[(841/108)(Y/100) + 4/29] - 16$

Illumin. D50,  $Y_W=54.0, Y_N=6.0$

| Name           | Range   | X     | Y     | Z     | x     | y        | $\lambda_d$ | $\lambda_c$ | $a_2$  | $b_2$  | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L_{CIE}^*$ | $L_{CIE}^*$ | $L_{Tur}^*$ | $L_{Tar}^*$ |
|----------------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|--------|-------|-------|-------|------------|------------|-------|-------------|-------------|-------------|-------------|
| R <sub>n</sub> | 570_775 | 33.24 | 22.67 | 4.47  | 0.55  | 0.375598 | 491         | 1.172       | -0.078 | 0.573  | 29.2  | 14.2  | 32.5  | 25         | 1.25       | 54.7  | 55.2        | 55.7        | 54.9        |             |
| Y <sub>n</sub> | 496_775 | 41.1  | 46.02 | 6.29  | 0.44  | 0.492573 | 468         | 0.669       | -0.054 | 0.275  | 1.4   | 31.6  | 31.7  | 87         | 2.55       | 73.5  | 74.3        | 73.3        | 69.3        |             |
| G <sub>n</sub> | 496_570 | 13.07 | 28.74 | 6.27  | 0.271 | 0.597538 | 538         | 0.27        | -0.087 | 0.456  | -27.7 | 17.4  | 32.8  | 147        | 1.59       | 60.5  | 61.1        | 61.6        | 60.0        |             |
| C <sub>n</sub> | 380_570 | 18.82 | 31.32 | 40.07 | 0.208 | 0.347491 | 598         | 0.284       | -0.511 | 0.415  | -29.2 | -14.2 | 32.5  | 205        | 1.74       | 62.7  | 63.4        | 63.7        | 61.8        |             |
| B <sub>n</sub> | 380_496 | 10.96 | 7.97  | 38.25 | 0.191 | 0.139468 | 573         | 0.585       | -1.917 | 1.589  | -1.4  | -31.6 | 31.7  | 267        | 0.44       | 33.9  | 34.2        | 29.7        | 33.0        |             |
| M <sub>n</sub> | 570_496 | 38.99 | 25.25 | 38.27 | 0.38  | 0.246538 | 538         | 1.097       | -0.606 | 0.519  | 27.7  | -17.4 | 32.8  | 327        | 1.4        | 57.3  | 57.9        | 58.4        | 57.3        |             |
| W <sub>n</sub> | 380_775 | 52.06 | 54.0  | 44.54 | 0.345 | 0.358    | 54%         |             | 0.657  | -0.329 | 0.01  | 0.0   | 0.0   | 0.0        | 0          | 3.0   | 78.4        | 79.2        | 77.3        | 72.1        |
| N <sub>n</sub> | 380_775 | 5.78  | 6.0   | 4.94  | 0.345 | 0.358    | 6%          |             | 0.657  | -0.329 | 0.01  | 0.0   | 0.0   | 0.0        | 181        | 0.33  | 29.4        | 29.7        | 22.6        | 27.8        |
| U <sub>n</sub> | 380_775 | 17.35 | 18.0  | 14.84 | 0.345 | 0.358    | 18%         |             | 0.657  | -0.329 | 0.01  | 0.0   | 0.0   | 0.0        | 201        | 1.0   | 49.5        | 50.0        | 50.0        | 50.0        |

