

$L^*_{80}/L^*_{80,u}$   
 $L^*/L^*_{80,u}$

# HAULAB lightness $L^*_{80}$ normalized to the background lightness $L^*_{80,u}$

$L^* = s(Y/Y_n)^n - d$  ( $Y_n=100, Y_u=37, s=134,6, n=0,31, d=49,5$ ) [1a]

$L^* = r(Y/Y_u)^n - d$  ( $r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 29,5$ ) [1b]

$L^*/L^*_u = g(Y/Y_u)^n - h$  ( $g = r/(r-d) = 2,67, h = d/(r-d) = 1,67$ ) [1c]

