

calculation in accordance to EN 410

GLASS4-16-4

Glazing from outside to inside 24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas1		16 mm / air 100%
pane2	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 59,4$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 82,8$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 15,3$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 15,3$

general colour rendering index [%] : $R_a = 98,5$

energy :

solar direct transmittance [%] : $\tau_e = 75,9$

solar direct reflectance [%] (*): $\rho_e = 14,0$

solar direct reflectance [%] (**): $\rho_e = 14,0$

solar direct absorption [%] (*): $a = 10,1$

secondary internal heat transfer factor [%] (*): $q_i = 3,5$

total solar energy transmittance (solar factor) [%] (*): $g = 79,5$

shading coefficient (=g/0,87) (*): $sc = 0,91$

thermal conductance (U-value) [W/m²K] (EN 673): $U_g = 2,7$

slope [°] : $\alpha = 90,0$

(*) incident radiation from the outside

(**) incident radiation from the inside

The calculated values are for orientation only and do not offer any guarantee regarding the fabrication of the un- intended end- product.

Glass configurations do not amount to a guarantee of product availability.