

calculation in accordance to EN 410

4 - 16 - 4 Argon

Glazing from outside to inside 24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas1		16 mm / air 5%, argon 95%
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 [%] (*): $q_i = 3.6$

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): $U_g = 2.6$
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.