

calculation in accordance to EN 410

Glazing from outside to inside

24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas1		16 mm / air 10%, argon 90%
pane2	coating on pos.3	Guardian ClimaGuard 1.0
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 26,5$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 70,1$

reflectance for standard illuminant D65 [%] (*) : $\rho_V = 20,2$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 22,6$

general colour rendering index [%] : $R_a = 97,6$

energy :

solar direct transmittance [%] : $\tau_e = 44,7$

solar direct reflectance [%] (*) : $\rho_e = 38,4$

solar direct reflectance [%] (**): $\rho_e = 40,3$

solar direct absorption [%] (*) : $a = 16,9$

secondary internal heat transfer factor [%] (*) : $q_i = 8,1$

total solar energy transmittance (solar factor) [%] (*) : $g = 52,8$

shading coefficient (=g/0,87) (*) : $sc = 0,61$

thermal conductance (U-value) [W/m²K] (EN 673): $U_g = 1,0$
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.