

calculation in accordance to EN 410

Glazing from outside to inside

24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 6.00 mm
	coating on pos.2	Guardian SunGuard Solar Light Blue 52
spacer/gas1		14 mm / air 10%, argon 90%
pane2	coating on pos.3	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 19,1$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 45,6$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 14,1$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 14,2$

general colour rendering index [%] : $R_a = 93,5$

energy :

solar direct transmittance [%] : $\tau_e = 29,1$

solar direct reflectance [%] (*): $\rho_e = 15,1$

solar direct reflectance [%] (**): $\rho_e = 29,5$

solar direct absorption [%] (*): $a = 55,8$

secondary internal heat transfer factor [%] (*): $q_i = 6,5$

total solar energy transmittance (solar factor) [%] (*): $g = 35,6$

shading coefficient (=g/0,87) (*): $sc = 0,41$

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