

calculation in accordance to EN 410

date : 13.09.2012
database version : 08.12.2011 / K
version : 3.0

Glazing from outside to inside

24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 6.00 mm
	coating on pos.2	Guardian SunGuard Solar Neutral 67
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 [%] : $\tau_{UV} = 23,9$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 59,2$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 18,6$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 17,4$

general colour rendering index [%] : $R_a = 97,3$

energy :

solar direct transmittance [%] : $\tau_e = 39,6$

solar direct reflectance [%] (*): $\rho_e = 22,6$

solar direct reflectance [%] (**): $\rho_e = 30,7$

solar direct absorption [%] (*): $a = 37,8$

secondary internal heat transfer factor [%] (*): $q_i = 7,2$

total solar energy transmittance (solar factor) [%] (*): $g = 46,8$

shading coefficient (=g/0,87) (*): $sc = 0,54$

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.