

calculation in accordance to EN 410

Glazing from outside to inside

46.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 6.00 mm
	coating on pos.2	Guardian SunGuard HS SuperNeutral 70/37
spacer/gas1		14 mm / air 10%, argon 90%
pane2	substrate	Guardian Float Glass ExtraClear, 6.00 mm
spacer/gas2		14 mm / air 10%, argon 90%
pane3	coating on pos.5	Guardian ClimaGuard N
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

Results

UV :

transmittance [%] : $\tau_{UV} = 6,2$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 61,4$

reflectance for standard illuminant D65 [%] (*) : $\rho_V = 13,2$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 14,3$

general colour rendering index [%] : $R_a = 91,7$

energy :

solar direct transmittance [%] : $\tau_e = 28,9$

solar direct reflectance [%] (*) : $\rho_e = 39,8$

solar direct reflectance [%] (**): $\rho_e = 33,1$

solar direct absorption [%] (*) : $a = 31,3$

secondary internal heat transfer factor [%] (*) : $q_i = 5,0$

total solar energy transmittance (solar factor) [%] (*) : $g = 33,9$

shading coefficient (=g/0,87) (*) : $sc = 0,39$

thermal conductance (U-value) [W/m K] (EN 673): $U_g = 0,6$

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.