

calculation in accordance to EN 410

049

Glazing from outside to inside 42.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)
	coating on pos.2	Guardian KlimaGuard Premium
spacer/gas1		12 mm / air 10%, crypton 90%
pane2	substrate	Guardian Float Glass ExtraClear, 6.00 mm
spacer/gas2		12 mm / air 10%, crypton 90%
pane3	coating on pos.5	Guardian KlimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

Results

UV :

transmittance [%] : $\tau_{UV} = 18,8$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 69,7$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 15,1$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 15,1$

general colour rendering index [%] : $R_a = 94,5$

energy :

solar direct transmittance [%] : $\tau_e = 39,8$

solar direct reflectance [%] (*): $\rho_e = 30,0$

solar direct reflectance [%] (**): $\rho_e = 30,0$

solar direct absorption [%] (*): $a = 30,2$

secondary internal heat transfer factor [%] (*): $q_i = 8,5$

total solar energy transmittance (solar factor) [%] (*): $g = 48,3$

shading coefficient (=g/0,87) (*): $sc = 0,56$

thermal conductance (U-value) [W/m²K] (EN 673): $U_g = 0,5$
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.