

calculation in accordance to EN 410

040

Glazing from outside to inside 48.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
	coating on pos.2	Guardian ClimaGuard Premium
spacer/gas1		18 mm / air 10%, argon 90%
pane2	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas2		18 mm / air 10%, argon 90%
pane3	coating on pos.5	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 20,0$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 70,9$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 15,3$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 15,3$

general colour rendering index [%] : $R_a = 95,7$

energy :

solar direct transmittance [%] : $\tau_e = 41,8$

solar direct reflectance [%] (*): $\rho_e = 32,4$

solar direct reflectance [%] (**): $\rho_e = 32,4$

solar direct absorption [%] (*): $a = 25,8$

secondary internal heat transfer factor [%] (*): $q_i = 7,5$

total solar energy transmittance (solar factor) [%] (*): $g = 49,4$

shading coefficient (=g/0,87) (*): $sc = 0,57$

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.