

calculation in accordance to EN 410

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## Glazing from outside to inside

46.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)
	coating on pos.2	Guardian ClimaGuard Solar
<b>spacer/gas1</b>		14 mm / air 10%, argon 90%
<b>pane2</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm
<b>spacer/gas2</b>		14 mm / air 10%, argon 90%
<b>pane3</b>	coating on pos.5	Guardian ClimaGuard N
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

## Results

### **UV :**

transmittance [%] :  $\tau_{UV} = 13,6$

### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 58,5$

reflectance for standard illuminant D65 [%] (\*):  $\rho_V = 28,1$

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 23,5$

general colour rendering index [%] :  $R_a = 93,9$

### **energy :**

solar direct transmittance [%] :  $\tau_e = 31,8$

solar direct reflectance [%] (\*):  $\rho_e = 42,3$

solar direct reflectance [%] (\*\*):  $\rho_e = 35,4$

solar direct absorption [%] (\*):  $a = 25,9$

secondary internal heat transfer factor [%] (\*):  $q_i = 6,3$

total solar energy transmittance (solar factor) [%] (\*):  $g = 38,1$

shading coefficient (=g/0,87) (\*):  $sc = 0,44$

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.**