

calculation in accordance to EN 410

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## Glazing from outside to inside

44.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm
	coating on pos.2	Guardian ClimaGuard 1.0
<b>spacer/gas1</b>		16 mm / air 10%, argon 90%
<b>pane2</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm
<b>spacer/gas2</b>		16 mm / air 10%, argon 90%
<b>pane3</b>	coating on pos.5	Guardian ClimaGuard 1.0
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

## Results

### **UV :**

transmittance [%] :  $\tau_{UV} = 12,3$

### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 55,2$

reflectance for standard illuminant D65 [%] (\*):  $\rho_V = 29,8$

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 29,8$

general colour rendering index [%] :  $R_a = 95,8$

### **energy :**

solar direct transmittance [%] :  $\tau_e = 30,5$

solar direct reflectance [%] (\*):  $\rho_e = 46,4$

solar direct reflectance [%] (\*\*):  $\rho_e = 46,4$

solar direct absorption [%] (\*):  $a = 23,1$

secondary internal heat transfer factor [%] (\*):  $q_i = 6,8$

total solar energy transmittance (solar factor) [%] (\*):  $g = 37,3$

shading coefficient (=g/0,87) (\*):  $sc = 0,43$

thermal conductance (U-value) [W/m<sup>2</sup>K] (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.**