

calculation in accordance to EN 410

## Glazing from outside to inside 38.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)
	coating on pos.2	Guardian ClimaGuard Premium
<b>spacer/gas1</b>		12 mm / air 10%, argon 90%
<b>pane2</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm
<b>spacer/gas2</b>		12 mm / air 10%, argon 90%
<b>pane3</b>	coating on pos.5	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

## Results

### **UV :**

transmittance [%] :  $\tau_{UV} = 19,6$

### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 70,5$

reflectance for standard illuminant D65 [%] (\*):  $\rho_V = 15,2$

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

general colour rendering index [%] :  $R_a = 95,3$

### **energy :**

solar direct transmittance [%] :  $\tau_e = 41,2$

solar direct reflectance [%] (\*):  $\rho_e = 30,3$

solar direct reflectance [%] (\*\*):  $\rho_e = 32,3$

solar direct absorption [%] (\*):  $a = 28,5$

secondary internal heat transfer factor [%] (\*):  $q_i = 7,4$

total solar energy transmittance (solar factor) [%] (\*):  $g = 48,6$

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

thermal conductance (U-value) [W/m<sup>2</sup>K] (EN 673):  $U_g = 0,7$   
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.**