

calculation in accordance to EN 410

027

## Glazing from outside to inside

36.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm
<b>spacer/gas1</b>		24 mm / air 10%, argon 90%
<b>pane2</b>	coating on pos.3	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

## Results

### **UV :**

transmittance [%] :  $\tau_{UV} = 33,0$

### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 79,2$

reflectance for standard illuminant D65 [%] (\*):  $\rho_V = 12,1$

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 12,2$

general colour rendering index [%] :  $R_a = 96,6$

### **energy :**

solar direct transmittance [%] :  $\tau_e = 52,4$

solar direct reflectance [%] (\*):  $\rho_e = 26,9$

solar direct reflectance [%] (\*\*):  $\rho_e = 26,0$

solar direct absorption [%] (\*):  $a = 20,7$

secondary internal heat transfer factor [%] (\*):  $q_i = 9,1$

total solar energy transmittance (solar factor) [%] (\*):  $g = 61,5$

shading coefficient (=g/0,87) (\*):  $sc = 0,71$

thermal conductance (U-value) [W/m<sup>2</sup>K] (EN 673):  $U_g = 1,2$

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.**