

calculation in accordance to EN 410

## Glazing from outside to inside

24.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm
	coating on pos.2	Guardian SunGuard Solar Silver Grey 32
<b>spacer/gas1</b>		14 mm / air 10%, argon 90%
<b>pane2</b>	coating on pos.3	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

## Results

### UV :

transmittance [%] :  $\tau_{UV} = 13,9$

### light :

transmittance for standard illuminant D65 [%] :  $\tau_V = 28,5$

reflectance for standard illuminant D65 [%] (\*):  $\rho_V = 22,3$

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 18,1$

general colour rendering index [%] :  $R_a = 89,7$

### energy :

solar direct transmittance [%] :  $\tau_e = 18,2$

solar direct reflectance [%] (\*):  $\rho_e = 20,7$

solar direct reflectance [%] (\*\*):  $\rho_e = 32,2$

solar direct absorption [%] (\*):  $a = 61,1$

secondary internal heat transfer factor [%] (\*):  $q_i = 5,4$

total solar energy transmittance (solar factor) [%] (\*):  $g = 23,5$

shading coefficient (=g/0,87) (\*):  $sc = 0,27$

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