

calculation in accordance to EN 410

## Glazing from outside to inside

24.00 mm

<b>pane1</b>	substrate	Float Glass GREEN, 6.00 mm (EN 410)
	coating on pos.2	Guardian SunGuard Solar Green 54
<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 [%] :  $\tau_{UV} = 8,6$

### light :

transmittance for standard illuminant D65 [%] :  $\tau_V = 47,6$

reflectance for standard illuminant D65 [%] (\*) :  $\rho_V = 13,7$

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 16,8$

general colour rendering index [%] :  $R_a = 87,3$

### energy :

solar direct transmittance [%] :  $\tau_e = 23,5$

solar direct reflectance [%] (\*) :  $\rho_e = 9,5$

solar direct reflectance [%] (\*\*):  $\rho_e = 30,2$

solar direct absorption [%] (\*) :  $a = 67,0$

secondary internal heat transfer factor [%] (\*) :  $q_i = 5,8$

total solar energy transmittance (solar factor) [%] (\*) :  $g = 29,3$

shading coefficient (=g/0,87) (\*) :  $sc = 0,34$

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.**