

calculation in accordance to EN 410

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## Glazing from outside to inside

24.76 mm

<b>pane1</b>	substrate	Guardian LamiGlass ExtraClear 3(0.38)3, 6.38 mm
<b>spacer/gas1</b>		12 mm / air 10%, argon 90%
<b>pane2</b>	coating on pos.3	Guardian ClimaGuard Premium
	substrate	Guardian LamiGlass ExtraClear 3(0.38)3, 6.38 mm (EN 410)

## Results

### UV :

transmittance [%] :  $\tau_{UV} = 1,0$

### light :

transmittance for standard illuminant D65 [%] :  $\tau_V = 78,8$

reflectance for standard illuminant D65 [%] (\*) :  $\rho_V = 12,0$

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

general colour rendering index [%] :  $R_a = 96,8$

### energy :

solar direct transmittance [%] :  $\tau_e = 49,9$

solar direct reflectance [%] (\*) :  $\rho_e = 24,3$

solar direct reflectance [%] (\*\*):  $\rho_e = 23,7$

solar direct absorption [%] (\*) :  $a = 25,8$

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

total solar energy transmittance (solar factor) [%] (\*) :  $g = 58,7$

shading coefficient (=g/0,87) (\*) :  $sc = 0,68$

thermal conductance (U-value) [W/m<sup>2</sup>K] (EN 673):  $U_g = 1,3$   
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.**