

calculation in accordance to EN 410

GLASS 5-16-4

## Glazing from outside to inside

25.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 5.00 mm (EN 410)
<b>spacer/gas1</b>		16 mm / air 100%
<b>pane2</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm

## Results

### UV :

transmittance [%] :  $\tau_{UV} = 57,8$

### light :

transmittance for standard illuminant D65 [%] :  $\tau_V = 82,5$

reflectance for standard illuminant D65 [%] (\*) :  $\rho_V = 15,1$

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

general colour rendering index [%] :  $R_a = 98,3$

### energy :

solar direct transmittance [%] :  $\tau_e = 74,9$

solar direct reflectance [%] (\*):  $\rho_e = 13,6$

solar direct reflectance [%] (\*\*):  $\rho_e = 13,8$

solar direct absorption [%] (\*):  $a = 11,5$

secondary internal heat transfer factor [%] (\*):  $q_i = 3,6$

total solar energy transmittance (solar factor) [%] (\*):  $g = 78,6$

shading coefficient (=g/0,87) (\*):  $sc = 0,90$

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

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.**