

calculation in accordance to EN 410

003

### Glazing from outside to inside

20.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm
<b>spacer/gas1</b>		12 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 [%] :  $\tau_{UV} = 35,0$

#### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 80,1$

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

reflectance for standard illuminant D65 [%] (\*\*):  $\rho_V = 12,3$

general colour rendering index [%] :  $R_a = 97,4$

#### **energy :**

solar direct transmittance [%] :  $\tau_e = 54,5$

solar direct reflectance [%] (\*):  $\rho_e = 28,8$

solar direct reflectance [%] (\*\*):  $\rho_e = 27,8$

solar direct absorption [%] (\*):  $a = 16,7$

secondary internal heat transfer factor [%] (\*):  $q_i = 8,2$

total solar energy transmittance (solar factor) [%] (\*):  $g = 62,7$

shading coefficient (=g/0,87) (\*):  $sc = 0,72$

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.**