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version : 3.0

calculation in accordance to EN 410

Vilandar 1

## Glazing from outside to inside

24.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 4.00 mm
<b>spacer/gas1</b>		16 mm / air 5%, argon 95%
<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 [%] (\*):  $q_i = 8.4$

total solar energy transmittance (solar factor) EN 410 [%] (\*):  $g = 62.8$

total solar energy transmittance (solar factor) DIN 67507 [%] (\*):  $g = 59.8$

shading coefficient (=g\_DIN/0,87) (\*):  $sc = 0.69$

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.**