

calculation in accordance to EN 410

015

## Glazing from outside to inside

28.00 mm

|                    |                  |                                          |
|--------------------|------------------|------------------------------------------|
| <b>pane1</b>       | substrate        | Guardian Float Glass ExtraClear, 6.00 mm |
| <b>spacer/gas1</b> |                  | 18 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 [%] :  $\tau_{UV} = 34,0$

### **light :**

transmittance for standard illuminant D65 [%] :  $\tau_V = 79,7$

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

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

general colour rendering index [%] :  $R_a = 97,0$

### **energy :**

solar direct transmittance [%] :  $\tau_e = 53,4$

solar direct reflectance [%] (\*):  $\rho_e = 27,0$

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

solar direct absorption [%] (\*):  $a = 19,6$

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

total solar energy transmittance (solar factor) [%] (\*):  $g = 61,7$

shading coefficient (=g/0,87) (\*):  $sc = 0,71$

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.**