

calculation in accordance to EN 410

date : 17.02.2012  
database version : 10.03.2011 / K  
version : 3.0

048

## Glazing from outside to inside 38.00 mm

<b>pane1</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)
	coating on pos.2	Guardian ClimaGuard Premium
<b>spacer/gas1</b>		10 mm / air 10%, crypton 90%
<b>pane2</b>	substrate	Guardian Float Glass ExtraClear, 6.00 mm
<b>spacer/gas2</b>		10 mm / air 10%, crypton 90%
<b>pane3</b>	coating on pos.5	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

## Results

<b>UV :</b>		
transmittance [%] :		$\tau_{UV} = 18,8$
<b>light :</b>		
transmittance for standard illuminant D65 [%] :		$\tau_V = 69,7$
reflectance for standard illuminant D65 [%] (*):		$\rho_V = 15,1$
reflectance for standard illuminant D65 [%] (**):		$\rho_V = 15,1$
general colour rendering index [%] :		$R_a = 94,5$
<b>energy :</b>		
solar direct transmittance [%] :		$\tau_e = 39,8$
solar direct reflectance [%] (*):		$\rho_e = 30,0$
solar direct reflectance [%] (**):		$\rho_e = 30,0$
solar direct absorption [%] (*):		$a = 30,2$
secondary internal heat transfer factor [%] (*):		$q_i = 8,5$
total solar energy transmittance (solar factor) [%] (*):		$g = 48,3$
shading coefficient (=g/0,87) (*):		$sc = 0,56$
thermal conductance (U-value) [W/m <sup>2</sup> K] (EN 673):		$U_g = 0,6$
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.**