

calculation in accordance to EN 410

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## Glazing from outside to inside

37.14 mm

<b>pane1</b>	substrate	Guardian LamiGlass ExtraClear 4(0.76)4, 8.76 mm
<b>spacer/gas1</b>		20 mm / air 10%, argon 90%
<b>pane2</b>	coating on pos.3	Guardian ClimaGuard N
	substrate	Guardian LamiGlass ExtraClear 4(0.38)4, 8.38 mm (EN 410)

## Results

<b>UV :</b>		
transmittance [%] :		$\tau_{UV} = 0,3$
<b>light :</b>		
transmittance for standard illuminant D65 [%] :		$\tau_V = 78,2$
reflectance for standard illuminant D65 [%] (*):		$\rho_V = 11,6$
reflectance for standard illuminant D65 [%] (**):		$\rho_V = 11,2$
general colour rendering index [%] :		$R_a = 96,7$
<b>energy :</b>		
solar direct transmittance [%] :		$\tau_e = 50,5$
solar direct reflectance [%] (*):		$\rho_e = 19,5$
solar direct reflectance [%] (**):		$\rho_e = 20,0$
solar direct absorption [%] (*):		$a = 30,0$
secondary internal heat transfer factor [%] (*):		$q_i = 9,7$
total solar energy transmittance (solar factor) [%] (*):		$g = 60,2$
shading coefficient (=g/0,87) (*):		$sc = 0,69$
thermal conductance (U-value) [W/m <sup>2</sup> K] (EN 673):		$U_g = 1,2$
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.**