

calculation in accordance to EN 410

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Glazing from outside to inside

44.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
	coating on pos.2	Guardian ClimaGuard Premium
spacer/gas1		16 mm / air 10%, argon 90%
pane2	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas2		16 mm / air 10%, argon 90%
pane3	coating on pos.5	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :		
transmittance [%] :	τ_{UV}	= 20,0
light :		
transmittance for standard illuminant D65 [%] :	τ_V	= 70,9
reflectance for standard illuminant D65 [%] (*):	ρ_V	= 15,3
reflectance for standard illuminant D65 [%] (**):	ρ_V	= 15,3
general colour rendering index [%] :	R_a	= 95,7
energy :		
solar direct transmittance [%] :	τ_e	= 41,8
solar direct reflectance [%] (*):	ρ_e	= 32,4
solar direct reflectance [%] (**):	ρ_e	= 32,4
solar direct absorption [%] (*):	a	= 25,8
secondary internal heat transfer factor [%] (*):	q_i	= 7,5
total solar energy transmittance (solar factor) [%] (*):	g	= 49,4
shading coefficient (=g/0,87) (*):	sc	= 0,57
thermal conductance (U-value) [W/m ² 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.