

calculation in accordance to EN 410

019

Glazing from outside to inside 20.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 6.00 mm
spacer/gas1		8 mm / air 10%, argon 90%
pane2	coating on pos.3	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 6.00 mm (EN 410)

Results

UV :		
transmittance [%] :		$\tau_{UV} = 33,0$
light :		
transmittance for standard illuminant D65 [%] :		$\tau_V = 79,2$
reflectance for standard illuminant D65 [%] (*):		$\rho_V = 12,1$
reflectance for standard illuminant D65 [%] (**):		$\rho_{V'} = 12,2$
general colour rendering index [%] :		$R_a = 96,6$
energy :		
solar direct transmittance [%] :		$\tau_e = 52,4$
solar direct reflectance [%] (*):		$\rho_e = 26,9$
solar direct reflectance [%] (**):		$\rho_{e'} = 26,0$
solar direct absorption [%] (*):		$a = 20,7$
secondary internal heat transfer factor [%] (*):		$q_i = 8,7$
total solar energy transmittance (solar factor) [%] (*):		$g = 61,1$
shading coefficient (=g/0,87) (*):		$sc = 0,70$
thermal conductance (U-value) [W/m ² K] (EN 673):		$U_g = 1,7$
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.