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version : 3.0

calculation in accordance to EN 410

4-16-4-ARGON

Glazing from outside to inside 24.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
spacer/gas1		16 mm / air 10%, argon 90%
pane2	coating on pos.3	Guardian ClimaGuard N
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :		
transmittance [%] :		$\tau_{UV} = 35.0$
light :		
transmittance for standard illuminant D65 [%] :		$\tau_V = 80.1$
reflectance for standard illuminant D65 [%] (*) :		$\rho_V = 11.9$
reflectance for standard illuminant D65 [%] (**):		$\rho_V = 11.5$
general colour rendering index [%] :		$R_a = 98.2$
energy :		
solar direct transmittance [%] :		$\tau_e = 57.6$
solar direct reflectance [%] (*) :		$\rho_e = 25.5$
solar direct reflectance [%] (**):		$\rho_e = 25.1$
solar direct absorption [%] (*) :		$a = 16.9$
secondary internal heat transfer factor [%] (*) :		$q_i = 8.7$
total solar energy transmittance (solar factor) EN 410 [%] (*) :		$g = 66.3$
total solar energy transmittance (solar factor) DIN 67507 [%] (*) :		$g = 63.5$
shading coefficient (=g_DIN/0,87) (*) :		$sc = 0.73$
thermal conductance (U-value) [W/m ² 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.