

calculation in accordance to EN 410

Cylite ONE - 4/15/44.2

Glazing from outside to inside 27.76 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
	coating on pos.2	Guardian ClimaGuard 1.0
spacer/gas1		15 mm / air 10%, argon 90%
pane2	substrate	Guardian LamiGlass Clear 4(0.76)4, 8.76 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 0,8$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 68,3$

reflectance for standard illuminant D65 [%] (*): $\rho_V = 22,4$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 19,2$

general colour rendering index [%] : $R_a = 96,6$

energy :

solar direct transmittance [%] : $\tau_e = 40,1$

solar direct reflectance [%] (*): $\rho_e = 40,1$

solar direct reflectance [%] (**): $\rho_e = 27,4$

solar direct absorption [%] (*): $a = 19,8$

secondary internal heat transfer factor [%] (*): $q_i = 6,3$

total solar energy transmittance (solar factor) [%] (*): $g = 46,4$

shading coefficient (=g/0,87) (*): $sc = 0,53$

thermal conductance (U-value) [W/m²K] (EN 673): $U_g = 1,0$
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.