

calculation in accordance to EN 410

date : 14/04/2011
database version : 10.03.2011 / K
version : 3.0

Cylite TRIPLE - 4/15/4/15/4

Glazing from outside to inside

42.00 mm

pane1	substrate	Guardian Float Glass ExtraClear, 4.00 mm
	coating on pos.2	Guardian ClimaGuard Premium
spacer/gas1		15 mm / air 10%, argon 90%
pane2	substrate	Guardian Float Glass Clear, 4.00 mm
spacer/gas2		15 mm / air 10%, argon 90%
pane3	coating on pos.5	Guardian ClimaGuard Premium
	substrate	Guardian Float Glass ExtraClear, 4.00 mm

Results

UV :

transmittance [%] : $\tau_{UV} = 19,5$

light :

transmittance for standard illuminant D65 [%] : $\tau_V = 70,1$

reflectance for standard illuminant D65 [%] (*) : $\rho_V = 15,0$

reflectance for standard illuminant D65 [%] (**): $\rho_V = 15,0$

general colour rendering index [%] : $R_a = 95,3$

energy :

solar direct transmittance [%] : $\tau_e = 40,9$

solar direct reflectance [%] (*) : $\rho_e = 31,9$

solar direct reflectance [%] (**): $\rho_e = 31,9$

solar direct absorption [%] (*) : $a = 27,2$

secondary internal heat transfer factor [%] (*) : $q_i = 8,2$

total solar energy transmittance (solar factor) [%] (*) : $g = 49,1$

shading coefficient (=g/0,87) (*) : $sc = 0,56$

thermal conductance (U-value) [W/m²K] (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.