

16mm Slenderline Krypton



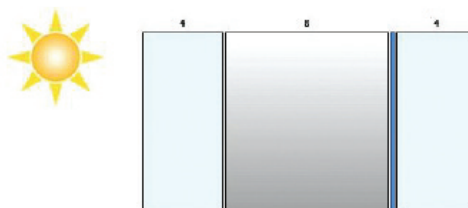
GLASS PERFORMANCE CALCULATOR

Supplied by



Product code

82 / 70 / 1.3



total thickness = 16 mm

Glazing from external to internal:

<p>Pane 1</p> <p>4 mm Float Glass ExtraClear</p>	<p>Pane 2</p> <p>4 mm ClimaGuard A+ Float Glass ExtraClear</p>
<p>Spacer 1 - 8 mm</p> <p>10% Air 90% Krypton</p>	

Results

Visible light (EN 410 - 2011)

transmittance [%]	$\tau_v = 81.7$
reflectance external [%]	$\rho_v = 12.9$
reflectance internal [%]	$\rho_{iv} = 12.9$
general colour rendering index [%]	$R_a = 97.6$

Thermal properties (EN 673 - 2011)

U-value [W/(m ² K)]	$U_g = 1.3$
slope $\alpha = 90^\circ$	

Solar energy (EN 410 - 2011)

solar factor [%]	$g = 70.5$
shading coefficient [g/0.87]	$sc = 0.81$
direct transmittance [%]	$\tau_e = 62.9$
direct reflectance external [%]	$\rho_e = 21.8$
direct reflectance internal [%]	$\rho_{ie} = 20.5$
direct absorption [%]	$a = 15.3$
UV transmittance [%]	$\tau_{uv} = 28.8$
secondary internal heat transfer factor [%]	$q_i = 7.6$

Other data

estimated sound reduction index [dB] (EN 717-1)	$R_w = \text{NPD}$ $C = \text{NPD}$ $C_{tr} = \text{NPD}$
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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.



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