

total thickness = 23 mm

Glazing from external to internal:

<b>Pane 1</b>		<b>Pane 2</b>
4 mm Float Glass ExtraClear		4 mm ClimaGuard Premium Float Glass ExtraClear
<b>Spacer 1 - 15 mm</b>		
10% Air		
90% Argon		

## Results

### Visible light (EN 410 - 2011)

transmittance [%]	$\tau_v = 80.1$
reflectance external [%]	$\rho_v = 12.2$
reflectance internal [%]	$\rho_{v,i} = 12.3$
general colour rendering index	$R_a = 97.3$

### Solar energy (EN 410 - 2011)

solar factor [%]	$g = 62.8$
shading coefficient [g/0.87]	$sc = 0.72$
direct transmittance [%]	$\tau_{B,d} = 54.5$
direct reflectance external [%]	$\rho_{e,d} = 28.8$
direct reflectance internal [%]	$\rho_{e,i,d} = 27.8$
direct absorption [%]	$a = 16.7$
UV transmittance [%]	$\tau_{UV} = 34.8$
secondary internal heat transfer factor [%]	$q_i = 8.3$

### Thermal properties (EN 673 - 2011)

U-value [W/(m <sup>2</sup> K)]	slope $\alpha = 90^\circ$
according to EN:	$U_g = 1.1$
3 decimal places:	$U_g = 1.113$

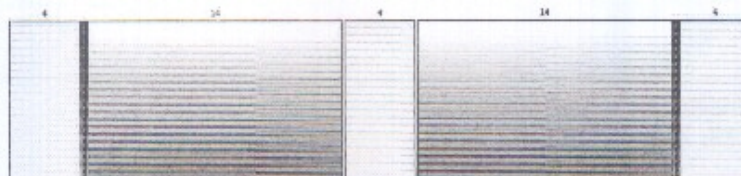
### Other data

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

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.

Product code

60 / 38 / 0.6



total thickness = 40 mm

Glazing from external to internal:

<b>Pane 1</b>	<b>Pane 2</b>	<b>Pane 3</b>
4 mm Float Glass ExtraClear ClimaGuard Solar	4 mm Float Glass ExtraClear	4 mm ClimaGuard Premium Float Glass ExtraClear
<b>Spacer 1 - 14 mm</b>	<b>Spacer 2 - 14 mm</b>	
10% Air 90% Argon	10% Air 90% Argon	

## Results

### Visible light (EN 410 - 2011)

transmittance [%]	$\tau_v = 59.6$
reflectance external [%]	$\rho_v = 28.6$
reflectance internal [%]	$\rho_{vi} = 24.7$
general colour rendering index	$R_a = 94.4$

### Solar energy (EN 410 - 2011)

solar factor [%]	$g = 38.2$
shading coefficient [g/0.87]	$sc = 0.44$
direct transmittance [%]	$\tau_{d,v} = 32.7$
direct reflectance external [%]	$\rho_{e,d} = 45.6$
direct reflectance internal [%]	$\rho_{e,i,d} = 39.6$
direct absorption [%]	$a = 21.7$
UV transmittance [%]	$\tau_{uv} = 14.8$
secondary internal heat transfer factor [%]	$q_i = 5.5$

### Thermal properties (EN 673 - 2011)

U-value [W/(m²K)]	slope $\alpha = 90^\circ$
according to EN:	$U_g = 0.6$
3 decimal places:	$U_g = 0.612$

### Other data

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

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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