

new ireland

Product code

79 / 71 / 1.2



total thickness = 28 mm

Glazing from external to internal:

Pane 1		Pane 2	
6 mm	Float Glass ExtraClear	6 mm	ClimaGuard A+ Float Glass ExtraClear
Spacer 1 - 16 mm			
10%	Air		
90%	Argon		

Results

Visible light (EN 410 - 2011)

transmittance [%]	$\tau_v = 78.7$
reflectance external [%]	$\rho_v = 13.3$
reflectance internal [%]	$\rho_v = 13.3$
general colour rendering index [%]	$R_a = 97.7$

Solar energy (EN 410 - 2011)

solar factor [%]	$g = 71.0$
shading coefficient [g/0.87]	$sc = 0.82$
direct transmittance [%]	$\tau_e = 61.0$
direct reflectance external [%]	$\rho_e = 18.5$
direct reflectance internal [%]	$\rho_e = 17.4$
direct absorption [%]	$a = 20.5$
UV transmittance [%]	$\tau_{uv} = 33.6$
secondary internal heat transfer factor [%]	$q_i = 10.0$

Thermal properties (EN 673 - 2011)

U-value [W/(m ² K)]	$U_g = 1.2$
slope $\alpha = 90^\circ$	

Other data

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

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.