

PORFYRIOS

CHAP GLASS



GLAZING NAME	PG_		
GLAZING DESIGN	PANE 1	SPACER	PANE 2
	4mm Clear	16mm Air 100%	6 mm Planibel Low-e G pos.3

THERMAL PROPERTIES (EN 673)

Ug-Value	1.7
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LIGHT PROPERTIES (EN 410)

Light Transmission - τ_v (%)	74
Light Reflection - ρ_v (%)	15
Internal light reflection - ρ_{vi} (%)	17
Color Rendering - RD65 - R_a (%)	99

ENERGY PROPERTIES (EN 410)

Solar factor - g (%)	73
Energy Reflection - ρ_e (%)	16
Shading coefficient – SC	0.84
Total Energy absorption - α_e (%)	24

OTHER PROPERTIES

Direct airborne sound insulation (Rw (C;Ctr) - EN 12758) – dB (EN 12758)	34(-1 -4)
Burglar Resistance - EN 356	NPD
Pendulum body impact resistance - EN 12600	NPD
Resistance to fire - EN 13501-2	NPD

MANUFACTURING PROPERTIES (EN 410)

Nominal thickness – (mm)	26
Weight - (Kg/m ²)	25

Remarks

The data are calculated using spectral measurements that are conform to standards EN 410, ISO 9050 (1990) and WIS/WINDAT. The Ug-value (formerly k-value) is calculated according to standard EN 673. The emissivity measurement complies with standards EN 673 (Annex A) and EN 12898. This document is no evaluation of the risk of glass breakage due to thermal stress. For tempered glass: the risk of spontaneous breakage due to Nickel-Sulfide is not covered by PorfyriosGlass. The Heat Soak Test is available on request. Specifications, technical and other data are based on information available at the time of preparation of this document and are subject to change without notice. Porfyrios Glass cannot be held responsible for any deviation between the data introduced and the conditions on site. These sound reduction indexes correspond to glazings which are 1,23 by 1,48m according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, frame system, noise sources etc. The accuracy of the given indexes is not better than +/- 1dB.