

Your composition:

6 mm Stopsol Classic Grey pos.1 - 12 mm Air 100% - 6 mm Planibel Clearlite

Personal notes:

LIGHT

Transmission	17
Reflection	34

ENERGY

Solar factor	29
Reflection	29



LIGHT PROPERTIES (EN 410)

	EN 410
Light Transmission - $\tau_v$ (%)	17
Light Reflection - $\rho_v$ (%)	34
Internal light reflection - $\rho_{vi}$ (%)	16
Colour Rendering - RD65 - Ra (%)	92

ENERGY PROPERTIES

	EN 410	ISO 9050
Solar factor - g (%)	29	31
Energy Reflection - $\rho_{e}$ (%)	29	28
Direct Energy Transmission - $\tau_e$ (%)	23	24
Solar abs. Glass 1 - $\alpha_e$ (%)	47	46
Solar abs. Glass 2 - $\alpha_e$ (%)	1	2
Total Energy absorption - $\alpha_e$ (%)	48	48
Shading coefficient - SC	0.33	0.36
UV Transmission - UV (%)	5	
Selectivity	0.59	0.55

OTHER PROPERTIES

Resistance to fire - EN 13501-2	NPD
Reaction to fire - EN 13501-1	NPD
Bullet Resistance - EN 1063	NPD
Burglar Resistance - EN 356	NPD
Pendulum body impact resistance - EN 12600	NPD / NPD

ACOUSTIC PROPERTIES

Direct airborne sound insulation( $R_w$ (C;Ctr) - EN 12758) - dB	31 (-1; -3) <sup>(1)</sup>
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THICKNESS AND WEIGHT

Nominal thickness (mm)	24
Weight (kg/m <sup>2</sup> )	30

THERMAL PROPERTIES (EN 673)	EN 673
Ug-Value - W/(m <sup>2</sup> .K)	2.8

The data are calculated using spectral measurements that 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 AGC Glass Europe. The Heat Soak Test is available on request.

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<sup>(1)</sup>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.

<sup>(2)</sup>These sound reduction indexes are estimated (no test). They correspond to glazings which are 1,23m. by 1,48 m. In-situ performances may vary according to the effective glazing dimensions, frame system, noise sources etc. The accuracy of the given indexes is +/- 2dB.