

Your composition:

8 mm Sunergy Clear pos.2 - 18 mm Argon 90% - 4 mm iplus Top 1.1T on Clearlite pos.3 - 18 mm Argon 90% - 4 mm iplus Top 1.1T on Clearlite pos.5

Personal notes:

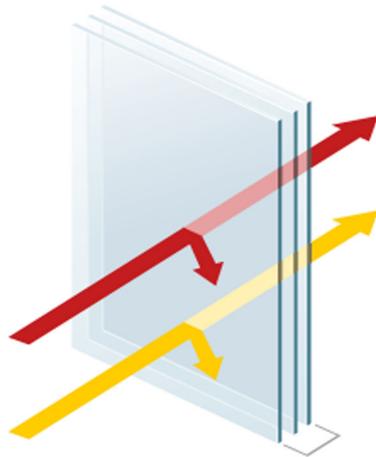
I2

LIGHT

Transmission	56
Reflection	13

ENERGY

Solar factor	39
Reflection	15



LIGHT PROPERTIES

EN 410

Light Transmission - $\tau_v$ (%)	56
Light Reflection - $\rho_v$ (%)	13
Internal light reflection - $\rho_{vi}$ (%)	17
Colour Rendering - RD65 - Ra (%)	95

ENERGY PROPERTIES

EN 410 ISO 9050

Solar factor - g (%)	39	37
Energy Reflection - $\rho_e$ (%)	15	16
Direct Energy Transmission - $\tau_e$ (%)	33	31
Solar abs. Glass 1 - $\alpha_e$ (%)	45	46
Solar abs. Glass 2 - $\alpha_e$ (%)	4	4
Solar abs. Glass 3 - $\alpha_e$ (%)	3	3
Total Energy absorption - $\alpha_e$ (%)	52	53
Shading coefficient - SC	0.45	0.42
UV Transmission - UV (%)	19	
Selectivity	1.44	1.51

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 / NPD

ACOUSTIC PROPERTIES

Direct airborne sound insulation ( $R_w$ (C;Ctr) - ESTIMATED) - dB	37 (-1; -6) <sup>(2)</sup>
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THICKNESS AND WEIGHT

Nominal thickness (mm)	52
Weight (kg/m <sup>2</sup> )	40

THERMAL PROPERTIES

EN 673

$U_g$ [W/(m <sup>2</sup> .K)] - Vertical	0.5
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The data are calculated using spectral measurements that conform to standards EN 410, ISO 9050 (1990) and WIS/WINDAT. The  $U_g$ -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. 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. AGC Glass Europe can not be held responsible for any deviation between the data introduced and the conditions on site. This document is only informative, in no way it implies an acceptance of the order by AGC Glass Europe. While the AGC Glass Configurator allows for accurate measurement of the above performances, the AGC Glass Configurator does not create any supplementary liability on the part of AGC with regard to the AGC products delivered to customers. AGC's liability remains limited to the AGC products manufactured and delivered by AGC only. The user of the AGC Glass Configurator undertakes to provide clear and comprehensive information and to refrain from any misleading commercial practice which would be likely to deceive the customers as to the manufacturer of the products it purchases. The user of the AGC Glass Configurator undertakes to indemnify and hold harmless AGC from and against any and all claims, costs and damages arising out of, or relating to improper / misleading use of the AGC Glass Configurator. See also conditions of use. (1) 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. (2) 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.