

① 6 mm ipasol neutral 70/37 pos.2 Thermally toughened ② 16 mm Argon 90% ③ 6 mm Planibel Clearlite Annealed ④ 16 mm Argon 90% ⑤ Stratobel 44.2 (4 mm iplus 1.1 pos.5 + 0.76 mm PVB Clear + 4 mm Planibel Clearlite) Annealed

## Glass performance data simulation

### ☀ Light properties - EN 410

Light transmittance : $\tau_v$ [%]	62
External light reflection : $\rho_v$ [%]	15
Internal light reflection : $\rho_{vi}$ [%]	17
Colour rendering index : $R_a$ [%]	94

### 🔥 Energy properties - EN 410

Solar factor : $g$ [%]	34
External energy reflection : $\rho_e$ [%]	37
Internal energy reflection : $\rho_{ei}$ [%]	29
Direct energy transmission : $\tau_e$ [%]	28
Energy absorption glass 1 : $\alpha_{e1}$ [%]	29
Energy absorption glass 2 : $\alpha_{e2}$ [%]	2
Energy absorption glass 3 : $\alpha_{e3}$ [%]	4
Total energy absorption : $\alpha_e$ [%]	35
Shading coefficient : $SC$	0.39
UV transmission : $\tau_{uv}$ [%]	0
Selectivity	1.82

### 🌡 Thermal properties - EN 673

Thermal transmittance (vertical glazing) : $U_g$ [W/(m <sup>2</sup> .K)]	0.5
--	-----

### 🔊 Acoustic properties

Direct airborne sound insulation - Interpolated : $R_w$ (C;Ctr) [dB] <sup>1</sup>	39 (-1;-6)
With acoustic PVB (Stratophone) - Interpolated : $R_w$ (C;Ctr) [dB] <sup>1</sup>	41 (-2;-7)

### 🛡 Safety properties

Resistance to fire - EN 13501-2	NPD
Reaction to fire - EN 13501-1	NPD
Bullet resistance - EN 1063	NPD
Burglar resistance - EN 356	P2A
Pendulum body impact resistance - EN 12600	1C2 / NPD / 1B1
Explosion resistance - EN 13541	NPD

### 📏 Thickness and weight

Nominal thickness : [mm]	52.8
Weight : [kg/m <sup>2</sup> ]	51

<sup>1</sup>. The sound reduction indexes are interpolated (no test available). They correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources etc. The accuracy of the given indexes is +/- 2 dB.

The AGC Glass Configurator is a simulation tool providing a performance analysis for the limited purpose of assisting the user in evaluating the performance of the glass configuration identified in this report. The interpolated performance is only applicable for glass products manufactured or processed by AGC. It does not replace an official Declaration of Performance and therefore may contain some variations, although AGC has made every effort to verify the reliability of this simulation tool. The user assumes any risk relating to the results provided by the tool and is solely responsible for the selection of the appropriate glass configuration for the user's application.

This document is for informative purposes only and in no way implies acceptance of any order by the AGC Group. Please consult the Specific Conditions of Use for the calculation standards that are used, the INISMA test report number and the accuracy of the values.

**AGC makes no express or implied warranty of any kind with respect to the Glass Configurator. There are no warranties of merchantability, non-infringement or fitness for any particular purpose and no warranty shall be implied by operation of law or otherwise. In no event shall AGC be liable for direct, indirect, consequential or incidental damages of any kind relating to or resulting from the use of the Glass Configurator.**