

① Stratophone 66.2 (6 mm Planibel Clearvision + 0.76 mm Acoustic PVB clear + 6 mm Stopray Ultraselect 70/33 on Clearvision pos.2) Heat strengthened ② 16 mm Argon 90% ③ Stratophone 66.2 (6 mm Planibel Clearvision + 0.76 mm Acoustic PVB clear + 6 mm Planibel Clearvision) Heat strengthened

Glass performance data simulation

Declaration of Performance (DoP)

Direct airborne sound reduction : R_w (C;Ctr) [dB]	50 (-2;-7)
CE_HARMONIZED_STANDARD	EN 1279-5:2018
Resistance against sudden temperature changes and temperature differentials : [K]	NPD / NPD
Wind, snow, permanent and imposed load resistance	70/70 - 70/70
DECLARED_EMISSIVITY	NPD
DECLARED_EMISSIVITY_PRIME	NPD
External fire performance	NPD
External light reflection : ρ_v	0.10
Light transmittance : τ_v	0.69
External energy reflection : ρ_e	0.36
Total solar energy transmittance : g	0.32
Internal energy reflection : ρ'_e	0.38
Internal light reflection : ρ'_v	0.11
Solar factor prime : g'	NPD
Solar direct transmittance : τ_e	0.30

☀ Light properties - EN 410

Light transmittance : τ_v [%]	69
External light reflection : ρ_v [%]	10
Internal light reflection : ρ_{vi} [%]	11
Colour rendering index : R_a [%]	95

🔥 Energy properties - EN 410

Total solar energy transmittance : g [%]	32
External energy reflection : ρ_e [%]	36
Internal energy reflection : ρ_{ei} [%]	38
Direct energy transmission : τ_e [%]	30
Energy absorption glass 1 : α_{e1} [%]	33
Energy absorption glass 2 : α_{e2} [%]	1
Total energy absorption : α_e [%]	34
Shading coefficient : SC	0.37
UV transmission : τ_{uv} [%]	0
Selectivity	2.16

🌱 Environmental properties

Cradle to Gate – Global warming potential: Module A1-A3 : [kg CO2 eq. /m²] ¹	134.8
---	--------------

🌡 Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m².K)]	1.0
---	------------

🔊 Acoustic properties

Direct airborne sound reduction - EN 12758 : R_w (C;Ctr) [dB] ²	50 (-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	NPD
Pendulum body impact resistance - EN 12600	NPD / NPD
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	41.5
Weight : [kg/m²]	62

¹ This value represents the global warming potential (GWP) associated with the production of the configured glass product. This value covers the entire production phase (module A1 to A3); no other stage in the product's life cycle is included in this value. This GWP value is calculated according to the modelling principles defined in EN 15804+A2:2019. A comparison of the environmental performance of construction products using EPD information must be based on the use of the products and their impact on the building, and must consider the entire life cycle (all information modules), which can be obtained via the full EPD.

² The sound reduction indexes correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3 and are tested in laboratory conditions. 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 +/- 1 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 <https://www.agc-yourglass.com/configurator/en/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.



Glass Configurator
Calculation software verified by INISMa
EN 410 and EN 673
Report n° 2018B COU 35741



Several AGC products are now available in Low-Carbon Glass version. The Low-Carbon Glass version does not affect the properties of the above glass configuration. For more info about the AGC Low-Carbon Glass range, please visit our YourGlass page.

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 <https://www.agc-yourglass.com/configurator/en/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.