

① 5 mm Planibel Clearlite Annealed

Glass performance data simulation

☀️ Light properties - EN 410

Light transmittance : τ_v [%]	90
External light reflection : ρ_v [%]	8
Internal light reflection : ρ_{vi} [%]	8
Colour rendering index : Ra [%]	99

🔥 Energy properties - EN 410

Total solar energy transmittance : g [%]	87
External energy reflection : ρ_e [%]	8
Internal energy reflection : ρ_{ei} [%]	8
Direct energy transmission : τ_e [%]	86
Total energy absorption : α_e [%]	6
Shading coefficient : SC	1.00
UV transmission : τ_{uv} [%]	67
Selectivity	1.03

🌡️ Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m ² .K)]	5.7
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🔊 Acoustic properties

Direct airborne sound reduction - EN 12758 : R_w (C;Ctr) [dB]	30 (-1;-2)
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🛡️ Safety properties

Resistance to fire - EN 13501-2	NPD
Reaction to fire - EN 13501-1	A1
Bullet resistance - EN 1063	NPD
Burglar resistance - EN 356	NPD
Pendulum body impact resistance - EN 12600	NPD
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	5.0
Weight : [kg/m ²]	13

1. 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.



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.

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