

① Stratobel Clearlite 44.1 Annealed

Glass performance data simulation

☀️ Light properties - EN 410

Light transmittance : τ_v [%]	89
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 [%]	81
External energy reflection : ρ_e [%]	7
Internal energy reflection : ρ_{ei} [%]	7
Direct energy transmission : τ_e [%]	77
Total energy absorption : α_e [%]	16
Shading coefficient : SC	0.93
UV transmission : τ_{UV} [%]	1
Selectivity	1.10

🌡️ Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m ² .K)]	5.6
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🔊 Acoustic properties

Direct airborne sound reduction - EN 12758 : R_w (C;Ctr) [dB]	34 (-1;-2)
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🛡️ 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	2B2
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	8.4
Weight : [kg/m ²]	20

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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