

① Stratobel 55.2 (5 mm Planibel Clearlite + 0.38 mm PVB Light Bronze 5538 (0.38 mm) + 0.38 mm PVB Clear + 5 mm Planibel Clearlite) Annealed

Glass performance data simulation

☀ Light properties - EN 410

Light transmittance : τ_v [%]	57
External light reflection : ρ_v [%]	6
Internal light reflection : ρ_{vi} [%]	6
Colour rendering index : Ra [%]	94

🔥 Energy properties - EN 410

Total solar energy transmittance : g [%]	66
External energy reflection : ρ_e [%]	6
Internal energy reflection : ρ_{ei} [%]	6
Direct energy transmission : τ_e [%]	58
Total energy absorption : α_e [%]	36
Shading coefficient : SC	0.76
UV transmission : τ_{uv} [%]	0
Selectivity	0.86

🌡 Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m ² .K)]	5.5
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🔊 Acoustic properties

Direct airborne sound reduction - EN 12758 : Rw (C;Ctr) [dB] ¹	36 (-1;-3)
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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	P2A
Pendulum body impact resistance - EN 12600	1B1
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	10.8
Weight : [kg/m ²]	26

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

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