

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

Glass performance data simulation

☀ Light properties - EN 410

Light transmittance : τ_v [%]	80
External light reflection : ρ_v [%]	12
Internal light reflection : ρ_{vi} [%]	12
Colour rendering index : Ra [%]	97

🔥 Energy properties - EN 410

Solar factor : g [%]	62
External energy reflection : ρ_e [%]	26
Internal energy reflection : ρ_{ei} [%]	21
Direct energy transmission : τ_e [%]	50
Energy absorption glass 1 : α_{e1} [%]	10
Energy absorption glass 2 : α_{e2} [%]	14
Total energy absorption : α_e [%]	24
Shading coefficient : SC	0.71
UV transmission : τ_{uv} [%]	0
Selectivity	1.29

🌡 Thermal properties - EN 673

Thermal transmittance (vertical glazing) : Ug [W/(m ² .K)]	1.1
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🔊 Acoustic properties

Direct airborne sound insulation - Interpolated : Rw (C;Ctr) [dB] ¹	37 (-1;-3)
With acoustic PVB (Stratophone) - EN 12758 : Rw (C;Ctr) [dB] ²	41 (-2;-6)

🛡 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 / 1B1
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	30.8
Weight : [kg/m ²]	36

¹. 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.

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.

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