

① Stratophone Clearlite 44.2 Annealed

Performance data

☀️ Light properties - EN 410

Light transmission : τ_v [%]	89
External light reflection : ρ_v [%]	8
Internal light reflection : ρ_{vi} [%]	8
Colour rendering index : Ra [%]	99

🔥 Energy properties - EN 410

Solar factor : g [%]	80
External energy reflection : ρ_e [%]	7
Internal energy reflection : ρ_{ei} [%]	7
Direct energy transmission : τ_e [%]	76
Energy absorption glass 1 : α_{e1} [%]	17
Total energy absorption : α_e [%]	17
Shading coefficient : SC	0.92
UV transmission : τ_{uv} [%]	0
Selectivity	1.11

🌡️ Thermal properties - EN 673

Thermal transmittance (vertical) : U_g (W/(m ² .K))	5.5
Thermal transmittance (Roof, horizontal) : U_g [W/(m ² .K)]	5.5

☀️ Summer solar factor - RT 2012

Sg1 : Sg1 [%]	76
Sg2 : Sg2 [%]	6
Sg3 : Sg3 [%]	0

☀️ Winter solar factor - RT 2012

Sg1 : Sg1 [%]	76
Sg2 : Sg2 [%]	4
Sg3 : Sg3 [%]	0

🔊 Acoustic properties

Direct airborne sound insulation - EN 12758 : R_w (C;Ctr) [dB] ¹	37 (0;-2)
With acoustic PVB (Stratophone) - EN 12758 : R_w (C;Ctr) [dB] ¹	37 (0;-2)

🛡️ 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]	8.8
Weight : [kg/m ²]	21

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.

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