

Thermobel TG Advanced:

① 4 mm iplus 1.0 pos.2 Annealed ② 16 mm Argon 90% ③ 4 mm Planibel Clearlite Annealed ④ 16 mm Argon 90% ⑤ 4 mm iplus 1.0 pos.5 Annealed

Performance data

☀️ Light properties - EN 410

Light transmission : τ_v [%]	65
External light reflection : ρ_v [%]	21
Internal light reflection : ρ_{vi} [%]	21
Colour rendering index : Ra [%]	96

🔋 Energy properties - EN 410

Solar factor : g [%]	43
External energy reflection : ρ_e [%]	41
Internal energy reflection : ρ_{ei} [%]	41
Direct energy transmission : τ_e [%]	36
Energy absorption glass 1 : α_{e1} [%]	15
Energy absorption glass 2 : α_{e2} [%]	3
Energy absorption glass 3 : α_{e3} [%]	5
Total energy absorption : α_e [%]	23
Shading coefficient : SC	0.49
UV transmission : τ_{uv} [%]	12
Selectivity	1.53

🌡️ Thermal properties - EN 673

Thermal transmittance (vertical) : U_g (W/(m ² .K))	0.5
Thermal transmittance (Roof, horizontal) : U_g [W/(m ² .K)]	0.8

☀️ Summer solar factor - RT 2012

Sg1 : Sg1 [%]	36
Sg2 : Sg2 [%]	7
Sg3 : Sg3 [%]	0

☀️ Winter solar factor - RT 2012

Sg1 : Sg1 [%]	36
Sg2 : Sg2 [%]	7
Sg3 : Sg3 [%]	0

🔊 Acoustic properties

Direct airborne sound insulation - EN 12758 : R_w (C;Ctr) (dB) ¹	NPD
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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	NPD / NPD / NPD
Explosion resistance - EN 13541	NPD

📏 Thickness and weight

Nominal thickness : [mm]	44.0
Weight : [kg/m ²]	30

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.

The AGC Glass Configurator is a simulation tool providing a performance analysis for the limited purpose of assisting the user in evaluating the performance of the glass configuration identified in this report. Although AGC has made every effort to verify the reliability of this simulation tool, it may contain unknown programming errors that could result in incorrect results. The user assumes any risk relating to the results provided by the tool and is solely responsible for the selection of the appropriate glass configuration for the user's application.

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