

Thermobel Advanced:

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

Performance data

☀ Light properties - EN 410

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|---|----|
| Light transmission : τ_v [%] | 76 |
| External light reflection : ρ_v [%] | 15 |
| Internal light reflection : ρ_{vi} [%] | 16 |
| Colour rendering index : Ra [%] | 97 |

🔥 Energy properties - EN 410

| | |
|---|------|
| Solar factor : g [%] | 56 |
| External energy reflection : ρ_e [%] | 33 |
| Internal energy reflection : ρ_{ei} [%] | 35 |
| Direct energy transmission : τ_e [%] | 48 |
| Energy absorption glass 1 : α_{e1} [%] | 11 |
| Energy absorption glass 2 : α_{e2} [%] | 8 |
| Total energy absorption : α_e [%] | 19 |
| Shading coefficient : SC | 0.64 |
| UV transmission : τ_{uv} [%] | 24 |
| Selectivity | 1.37 |

🌡 Thermal properties - EN 673

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|--|-----|
| Thermal transmittance (vertical) : U_g (W/(m ² .K)) | 1.0 |
| Thermal transmittance (Roof, horizontal) : U_g [W/(m ² .K)] | 1.6 |

☀ Summer solar factor - RT 2012

| | |
|---------------|----|
| Sg1 : Sg1 [%] | 48 |
| Sg2 : Sg2 [%] | 8 |
| Sg3 : Sg3 [%] | 0 |

☀ Winter solar factor - RT 2012

| | |
|---------------|----|
| Sg1 : Sg1 [%] | 48 |
| Sg2 : Sg2 [%] | 8 |
| Sg3 : Sg3 [%] | 0 |

🔊 Acoustic properties

| | |
|--|------------|
| Direct airborne sound insulation - ESTIMATED : R_w (C;Ctr) [dB] ¹ | 36 (-1;-5) |
|--|------------|

🛡 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 |
| Explosion resistance - EN 13541 | NPD |

📏 Thickness and weight

| | |
|-------------------------------|------|
| Nominal thickness : [mm] | 26.0 |
| Weight : [kg/m ²] | 25 |

¹ The sound reduction indexes are estimated and neither tested, nor calculated. 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.