

Thermobel Advanced:

① Stratobel Clearlite 44.2 Annealed ② 16 mm Argon 90% ③ Stratobel 44.2 (4 mm iplus 1.0 pos.3 + 0.76 mm PVB Clear + 4 mm Planibel Clearlite) Annealed

## Performance data

### ☀ Light properties - EN 410

Light transmission : $\tau_v$ [%]	74
External light reflection : $\rho_v$ [%]	15
Internal light reflection : $\rho_{vi}$ [%]	16
Colour rendering index : Ra [%]	96

### 🔥 Energy properties - EN 410

Solar factor : g [%]	51
External energy reflection : $\rho_e$ [%]	27
Internal energy reflection : $\rho_{ei}$ [%]	27
Direct energy transmission : $\tau_e$ [%]	42
Energy absorption glass 1 : $\alpha_{e1}$ [%]	22
Energy absorption glass 2 : $\alpha_{e2}$ [%]	9
Total energy absorption : $\alpha_e$ [%]	31
Shading coefficient : SC	0.59
UV transmission : $\tau_{uv}$ [%]	0
Selectivity	1.44

### 🌡 Thermal properties - EN 673

Thermal transmittance (vertical) : $U_g$ (W/(m <sup>2</sup> .K))	1.0
Thermal transmittance (Roof, horizontal) : $U_g$ [W/(m <sup>2</sup> .K)]	1.6

### ☀ Summer solar factor - RT 2012

Sg1 : Sg1 [%]	43
Sg2 : Sg2 [%]	10
Sg3 : Sg3 [%]	0

### ☀ Winter solar factor - RT 2012

Sg1 : Sg1 [%]	43
Sg2 : Sg2 [%]	9
Sg3 : Sg3 [%]	0

### 🔊 Acoustic properties

Direct airborne sound insulation - ESTIMATED : $R_w$ (C;Ctr) [dB] <sup>1</sup>	39 (-1;-5)
With acoustic PVB (Stratophone) - ESTIMATED : $R_w$ (C;Ctr) [dB] <sup>1</sup>	45 (-2;-7)

### 🛡 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]	33.8
Weight : [kg/m <sup>2</sup> ]	43

<sup>1</sup> 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.

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