

Thermobel Advanced:

① Stratophone Clearlite 44.2 Annealed ② 16 mm Argon 90% ③ 4 mm iplus 1.0 pos.3 Annealed

## Performance data

### ☀ Light properties - EN 410

Light transmission : $\tau_v$ [%]	75
External light reflection : $\rho_v$ [%]	15
Internal light reflection : $\rho_{vi}$ [%]	16
Colour rendering index : $R_a$ [%]	97

### 🔥 Energy properties - EN 410

Solar factor : $g$ [%]	52
External energy reflection : $\rho_e$ [%]	27
Internal energy reflection : $\rho_{ei}$ [%]	35
Direct energy transmission : $\tau_e$ [%]	44
Energy absorption glass 1 : $\alpha_{e1}$ [%]	22
Energy absorption glass 2 : $\alpha_{e2}$ [%]	7
Total energy absorption : $\alpha_e$ [%]	29
Shading coefficient : SC	0.59
UV transmission : $\tau_{uv}$ [%]	0
Selectivity	1.46

### 🌡 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 [%]	45
Sg2 : Sg2 [%]	8
Sg3 : Sg3 [%]	0

### ☀ Winter solar factor - RT 2012

Sg1 : Sg1 [%]	45
Sg2 : Sg2 [%]	7
Sg3 : Sg3 [%]	0

### 🔊 Acoustic properties

Direct airborne sound insulation - ESTIMATED : $R_w$ (C;Ctr) [dB] <sup>1</sup>	39 (-2;-6)
With acoustic PVB (Stratophone) - ESTIMATED : $R_w$ (C;Ctr) [dB] <sup>1</sup>	39 (-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	1B1 / NPD
Explosion resistance - EN 13541	NPD

### 📏 Thickness and weight

Nominal thickness : [mm]	28.8
Weight : [kg/m <sup>2</sup> ]	31

<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.