

① Stratobel 55.2 (5 mm Planibel Clearlite + 0.76 mm PVB Bronze 6452 + 5 mm Planibel Clearlite) Annealed

## Glass performance data simulation

### ☀ Light properties - EN 410

Light transmittance : $\tau_v$ [%]	<b>33</b>
External light reflection : $\rho_v$ [%]	<b>5</b>
Internal light reflection : $\rho_{vi}$ [%]	<b>5</b>
Colour rendering index : $R_a$ [%]	<b>86</b>

### 🔥 Energy properties - EN 410

Total solar energy transmittance : $g$ [%]	<b>54</b>
External energy reflection : $\rho_e$ [%]	<b>5</b>
Internal energy reflection : $\rho_{ei}$ [%]	<b>5</b>
Direct energy transmission : $\tau_e$ [%]	<b>41</b>
Total energy absorption : $a_e$ [%]	<b>54</b>
Shading coefficient : $SC$	<b>0.62</b>
UV transmission : $\tau_{uv}$ [%]	<b>0</b>
Selectivity	<b>0.61</b>

### 🌡 Thermal properties - EN 673

Thermal transmittance (vertical glazing) : $U$ value [W/(m <sup>2</sup> .K)]	<b>5.5</b>
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### 🔊 Acoustic properties

Direct airborne sound reduction - EN 12758 : $R_w$ (C;Ctr) [dB] <sup>1</sup>	<b>36 (-1;-3)</b>
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### 🛡 Safety properties

Resistance to fire - EN 13501-2	<b>NPD</b>
Reaction to fire - EN 13501-1	<b>NPD</b>
Bullet resistance - EN 1063	<b>NPD</b>
Burglar resistance - EN 356	<b>P2A</b>
Pendulum body impact resistance - EN 12600	<b>1B1</b>
Explosion resistance - EN 13541	<b>NPD</b>

### ≡ Thickness and weight

Nominal thickness : [mm]	<b>10.8</b>
Weight : [kg/m <sup>2</sup> ]	<b>26</b>

<sup>1</sup> 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.



Glass Configurator  
 Calculation software verified by INISMa  
 EN 410 and EN 673  
 Report n° 2018B COU 35741

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