

Your composition:

Thermobel TG Top: 33.1 Stratobel 2x Planibel Clearlite - 16 mm Argon 90% - 6 mm Matelux Clear pos.3 - 16 mm Argon 90% - 33.1 Stratobel iplus Top 1.1 on Clearlite + Planibel Clearlite pos.5

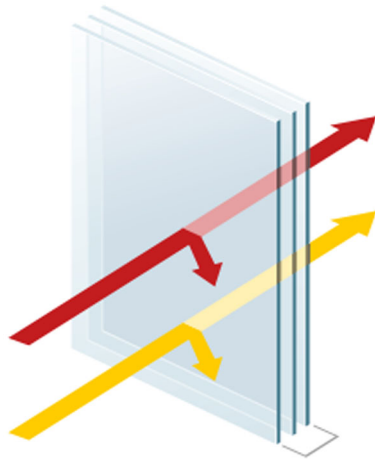
Personal notes:

LIGHT

| | |
|--------------|----|
| Transmission | 72 |
| Reflection | 18 |

ENERGY

| | |
|--------------|----|
| Solar factor | 53 |
| Reflection | 24 |



LIGHT PROPERTIES

EN 410

| | |
|---|----|
| Light Transmission - τ_v (%) | 72 |
| Light Reflection - ρ_v (%) | 18 |
| Internal light reflection - ρ_{vi} (%) | 16 |
| Colour Rendering - RD65 - Ra (%) | 96 |

ENERGY PROPERTIES

EN 410 ISO 9050

| | | |
|---|------|------|
| Solar factor - g (%) | 53 | 51 |
| Energy Reflection - ρ_e (%) | 24 | 24 |
| Direct Energy Transmission - τ_e (%) | 45 | 43 |
| Solar abs. Glass 1 - α_e (%) | 16 | 18 |
| Solar abs. Glass 2 - α_e (%) | 9 | 9 |
| Solar abs. Glass 3 - α_e (%) | 6 | 6 |
| Total Energy absorption - α_e (%) | 31 | 33 |
| Shading coefficient - SC | 0.61 | 0.58 |
| UV Transmission - UV (%) | 0 | |
| Selectivity | 1.36 | 1.41 |

OTHER 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 | 2B2 / NPD / 2B2 |

ACOUSTIC PROPERTIES

| | |
|---------------------------------------|-----|
| Direct airborne sound insulation - dB | NPD |
|---------------------------------------|-----|

THICKNESS AND WEIGHT

| | |
|-----------------------------|-------|
| Nominal thickness (mm) | 50.76 |
| Weight (kg/m ²) | 46 |

THERMAL PROPERTIES

EN 673

| | |
|----------------------------------|-----|
| Ug-Value - W/(m ² .K) | 0.9 |
|----------------------------------|-----|

The data are calculated using spectral measurements that are conform to standards EN 410, ISO 9050 (1990) and WIS/WINDAT. The Ug-value (formerly k-value) is calculated according to standard EN 673. The emissivity measurement complies with standards EN 673 (Annex A) and EN 12898.

This document is no evaluation of the risk of glass breakage due to thermal stress. For tempered glass: the risk of spontaneous breakage due to Nickel-Sulfide is not covered by AGC Glass Europe. The Heat Soak Test is available on request.

Specifications, technical and other data are based on information available at the time of preparation of this document and are subject to change without notice. AGC Glass Europe can not be held responsible for any deviation between the data introduced and the conditions on site. This document is only informative, in no way it implies an acceptance of the order by AGC Glass Europe.

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⁽¹⁾These sound reduction indexes correspond to glazings which are 1,23 by 1,48m according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, frame system, noise sources etc. The accuracy of the given indexes is not better than +/- 1dB.

⁽²⁾These sound reduction indexes are estimated (no test). They correspond to glazings which are 1,23m. by 1,48 m. In-situ performances may vary according to the effective glazing dimensions, frame system, noise sources etc. The accuracy of the given indexes is +/- 2dB.