

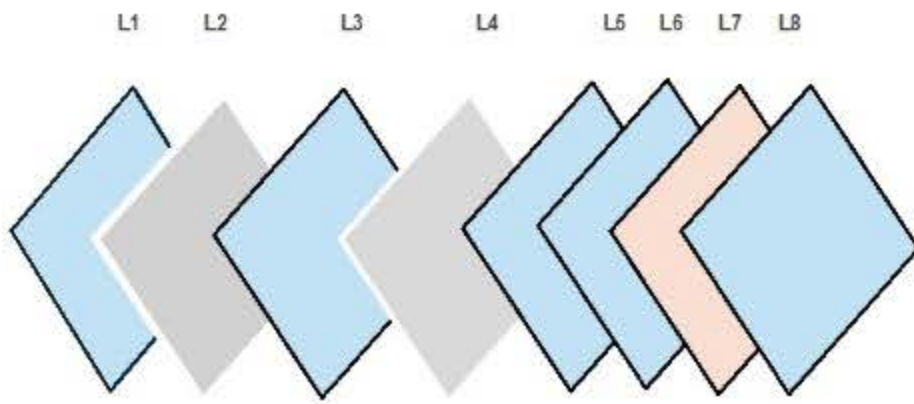
Performance Calculation Results



Outside



Inside



Layers – From Outside to Inside

Layer	Description	Thickness (mm)
L1	Clear Float Glass	6
L2	Cavity (90% Argon)	16
L3	Clear Float Glass	4
L4	Cavity (90% Argon)	16
L5	Low-E	-
L6	Clear Float Glass	4
L7	Clear PVB	0.76
L8	Clear Float Glass	4

Interior Angle



90°

Outer Pane : 6 mm HiSky Clear Float Glass :
Cavity : 16 mm 90% Argon
Mid Pane : 4 mm HiSky Clear Float Glass :
Cavity : 16 mm 90% Argon
 4 mm HiSky Low-E Glass (#5) + 0.76 mm :
Inner Pane : Clear PVB + 4 mm HiSky Clear Float Glass

Daylight Properties (EN 410)

Daylight Transmittance : 70%
Daylight Reflectance Outdoor : 17%
Daylight Reflectance Indoor : 16%
Color Rendering Index (Ra) : 94

Solar Energy Properties (EN 410)

Total Solar Energy Transmittance : 54%
 Solar Factor / g
Solar Energy Direct Transmittance : 41%
Solar Energy Reflectance Outdoor : 26%
Solar Energy Absorption : 32%
Shading Coefficient : 0.62
UV Transmission : 0%

Thermal Conductivity (EN 673)

U Value W/(m²K) : 0.8

Sound Insulation Values

Rw (C, Ctr) : 42 dB (-2, -6)

Daylight and *Solar Energy* properties are calculated using spectral measurements in compliance with EN 410:2011. *U-value* is calculated according to EN 673:2011.

The emissivity measurements used for calculations comply with EN 673:2011 (Annex A) and EN 12898:2019. Thermal stresses or building codes may require the use of heat-treated glass. This document is not an evaluation of the risk of glass breakage from thermal stresses. Please get in touch with Hisky Glazing to ensure the correct form of glass is supplied for the structure. Hisky Glazing cannot guarantee the applicability of the calculated combinations.

Data on acoustic parameters such as *Weighted Reduction (Rw)* and *Spectrum Adaption Terms C / Ctr* are specified based on estimations determined as the best result for this glazing composition and have not been tested. Performance on-site can be different, depending on the glazing sizes, frame design, noise sources, etc.

Technical and other data are based on information available at the time of preparation of this document and are subject to change by Hisky Glazing without notice.

This document is only for informational purposes. Hisky Glazing cannot be held responsible for any deviations between the presented data and the conditions on the site. Please contact your sales representative about whether the products you use in the calculation are available in our stock, whether they can be sold to your region, and the production time.

The calculation procedures and the technical results of GlassTool have been validated in accordance with standard prEN 17871.