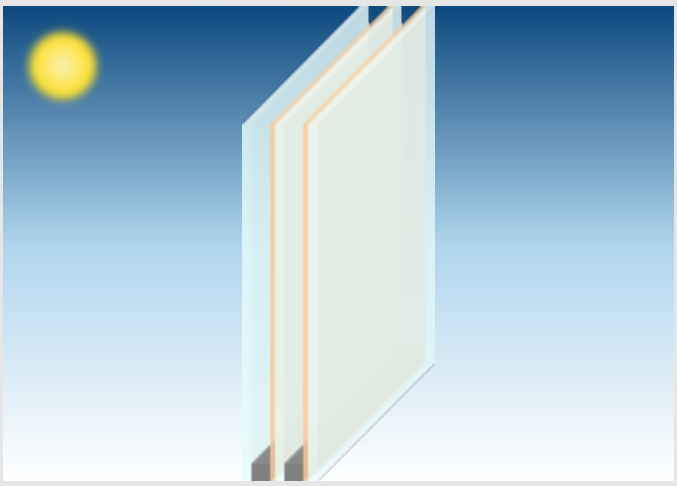
SAINT-GOBAIN

Calumen III 1.25

Tuesday, April 1, 2025



Pane 1	PLANICLEAR (4 mm)
Cavity 1	ARGON (90%) / AIR (10%) / 8 mm
Pane 2	PLANITHERM TOTAL+ FG PLANICLEAR (4 mm)
Cavity 2	ARGON (90%) / AIR (10%) / 8 mm
Pane 3	PLANITHERM TOTAL+ FG PLANICLEAR (4 mm)

4MM CLEAR - 8MM ARGON FILLED CAVITY - 4MM PLANITHERMTOTAL PLUS - 8MM ARGON FILLED CAVITY - 4MM PLANITHERM TOTAL PLUS

Glasscraft Decorative Ltd

Jonathan Hewitt

jonathan.hewitt@glasscraftglass.com

LUMINOUS FACTORS

CIE (15-2004)

Light transmission (TL %)	69.4 %
Outdoor reflection (RLe %)	16.9 %
Indoor (RLi %)	17.1 %

SOLAR FACTORS

EN410 (2011-04)

Solar factor (g)	0.6019
Shading Coefficient (SC)	0.6918

COLOR RENDERING

CIE (15-2004)

Transmission (Ra)	98.3
Reflection (Ra)	87.1

BURGLAR RESIST

EN356

Result : NPD

CARBON FOOTPRINT

EN15804+A2

Global warming potential 'GWP' 49 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410 (2011-04)

Transmission (Te)	48.7 %
Reflection (Ree)	26.4 %
Indoor (Rei)	25.6 %
Absorption (AE1)	6.5 %
Absorption (AE2)	11.6 %
Absorption (AE3)	6.9 %

THERMAL TRANSMISSION

EN673 (2011-04)

Ug	1.019 W/m².K
0° related to vertical position	

MANUFACTURING SIZES

Nominal thickness	28.0 mm
Weight	30.0 kg/m²

PENDULUM RESISTANCE

EN12600

Result : NPD

ACOUSTICS

EN12758

Acoustic simulated values - v1.0	Rw(C;Ctr) = 27(-1;-3) dB
OITC (ASTM E1332)	23
STC (ASTM E413)	27

Calumen III calculates the photometric characteristics and thermal transmission of glass using calculation algorithms which comply with the following standards: the European standards EN 410 and EN 673, the international standard ISO9050, the Japanese standard JIS R 3106/3107 and the Korean standard KS L 2514/2525. The functional output and calculation rules of Calumen for standards EN 410 and EN 673 have been validated by TÜV Rheinland (report 89212153-01). The technical performances obtained according to these standards are provided for information only and are subject to amendment.
Only the values entered in the performance declaration available on the CE marking site of Saint-Gobain Glass are official.
The sound attenuation indices are measured under laboratory conditions according to the standards EN ISO 10140 and EN 12758. The calculated indices are provided for information only. The accuracy for Rw index lies within a range of +/-2dB.The glass thickness calculations comply with the 2012 version of the DTU39-P4 description. The USER is responsible for ensuring that the correct calculation hypotheses are entered and the DTU39 is applied appropriately for the project concerned.