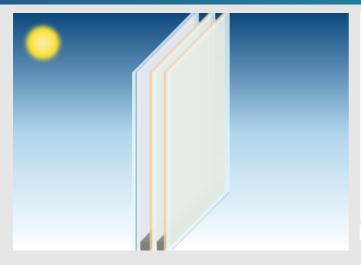


## regency glass

Calumen III 1.17 Thursday, February 25, 2021



Pane 1	PLANICLEAR (3 mm) PVB silence (2 x 0.38 mm) PLANICLEAR (3 mm)	
Cavity 1	ARGON (90%) / AIR (10%) / 8 mm	
Pane 2	PLANITHERM ONE T FG PLANICLEAR (4 mm)	
Cavity 2	ARGON (90%) / AIR (10%) / 6 mm	
Pane 3	PLANITHERM ONE T FG PLANICLEAR (4 mm)	

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<u>-ÿ</u> -	LUMINOUS FACTORS	CIE (15-2004)	4	ENERGY FACT Transmission (Te)
	Light transmission (TL %)	51 %		Reflection (Ree)
	Outdoor reflection (RLe %)	34 %		Indoor (Rei)
	Indoor (RLi %)	35 %		Absorption (AE1) Absorption (AE2)
-0-	SOLAR FACTORS	EN410 (2011-04)		Absorption (AE3)
11	Solar factor (g)	0.35	<b>N</b> =	THERMAL
	Shading Coefficient (SC)	0.40		TRANSMISSIO
	COLOR RENDERING	CIE (15-2004)		Ug
	Transmission (Ra)	94.5		0° related to vertical p
	Reflection (Ra)	95.6	EI	
	BURGLAR RESIST	EN356		MANUFACTUR SIZES
•	Result :	P1A/NPD/NPD		Nominal thickness Weight
				PENDULUM
				RESISTANCE

ENERGY FACTORS	EN410 (2011-04)
Transmission (Te)	27 %
Reflection (Ree)	41 %
Indoor (Rei)	47 %
Absorption (AE1)	21 %
Absorption (AE2)	8 %
Absorption (AE3)	4 %
THERMAL	EN673 (2011-04)
TRANSMISSION	
Ug	1.0 W/m².K
0° related to vertical position	
MANUFACTURING	
SIZES	
Nominal thickness	28.8 mm
Weight	36 kg/m²
PENDULUM	EN12600
RESISTANCE	
Result :	1B1/NPD/NPD
ACOUSTICS	EN12758



Acoustic simulated values v1.0 OITC (ASTM E1332) STC (ASTM E413)

Rw(C;Ctr) = 35(-1;-4) dB

35 29



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 11923R-11-33705). 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 105 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.