

## Centre Pane 'u' Value - 4/4/4 Toughened (1 x P1)



4 FT (1 4 Argon 90) 4 FT (1 4 Argon 90) 4 FT

Coating: PLANITHERM ONE II #5

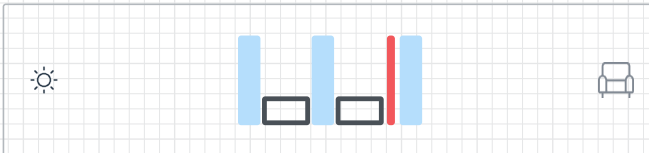
Computed by: Oli Pringle






Computed on: 13/08/2024

Product catalog: United Kingdom











Norms: EN41 0 (201 1-04)

### Glazing type



	Glazing 1 PLANICLEAR (4mm) - Tempered
	Cavity 1 Argon 90% 14 mm
	Glazing 2 PLANICLEAR (4mm) - Tempered
	Cavity 2 Argon 90% 14 mm
	Glazing 3 PLANITHERM ONE II PLANICLEAR (4mm) - Tempered

### Simulated performance datas

	<b>Luminous Factors</b>	CIE (15-2004)
	Light Transmittance (TL)	65%
	Outdoor Reflectance (RLe)	27%
	Indoor Reflectance (RLi)	27%
	<b>Energy Factors</b>	EN41 0 (201 1-04)
	Transmittance (TE)	43%
	Outdoor Reflectance (Ree)	38%
	Indoor Reflectance (Rei)	40%
	Absorptance A1 (AE1)	7%
	Absorptance A2 (AE2)	6%
	Absorptance A3 (AE3)	6%
	<b>Solar Factors</b>	EN41 0 (201 1-04)
	Solar Factor (g)	0.50
	Shading Coefficient (SC)	0.57
	<b>Thermal Transmission</b>	EN673-201 1
	Ug	0.9 W/(m2.K)
	Angle relative to the vertical	0°
	<b>Acoustics</b>	EN 1 275 8
	<i>Acoustic measurement values according to EN 12758 and from notified body</i>	
	Rw (C;Ctr)	32 (-1; -4) dB
	Ra	31 dB
	Ra,tr	28 dB
	STC (ASTM E41 3)	N/A
	OITC (ASTM E1 332)	N/A
	<b>Color Rendering</b>	CIE (15-2004)
	Transmission (Ra)	97.2
	Reflection (Ra)	95.5
	<b>Safety Class</b>	EN 1 260 0
	Pendulum Body Resistance	1 C3/1 C3/1 C3
	<b>Anti-Burglary</b>	EN 356
	Burglar Resistance	NPD
	<b>Manufacturing Sizes</b>	
	Nominal Thickness	40.0 mm
	Weight	30 kg/m <sup>2</sup>
	<b>Sustainability</b>	
	Carbon footprint	
	<i>The value is calculated regarding the composition computed based on the standard EN 15804+ A2 (201 9)</i>	
	Global Warming Potential (GWP) – A1 - A3	EN 1 580 4+ A2 (201 9)
	(kg, CO <sub>2</sub> eq./m <sup>2</sup> ) European average	62



Calumen® calculates the photometric characteristics and thermal transmission of glass using calculation algorithms which comply with the following standards: the European standards EN 41 0 and EN 673, the international standard ISO9050, the Japanese standard JIS R 31 06/31 07 and the Korean standard KS L 251 4/2525. The functional output and calculation rules of Calumen® for standards EN 41 0 and EN 673 have been validated by TÜV Rheinland (report 8921 2153-01). 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 101 40 and EN 1 275 8. The calculated indices are provided for information only. The accuracy for Rw index lies within a range of +1-2dB. The glass thickness calculations comply with the 201 2 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.