

Centre Pane 'u' Value - 6.8/6/4 Toughened (2 x P1)



33.2 (12 Argon 90) 6 FT (12 Argon 90) 4 FT

Coating: PLANITHERM ONE II #5 / PLANITHERM ONE II #7

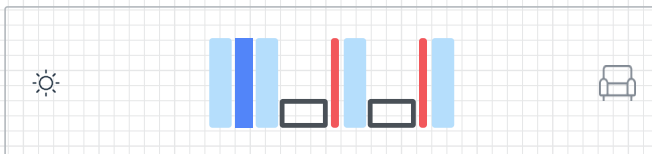
Computed by: Oli Pringle






Computed on: 13/08/2024

Product catalog: United Kingdom











Norms: EN410 (2011-04)

Glazing type



	Glazing 1 PLANICLEAR (3mm) - Annealed PVB STANDARD (0.76mm) PLANICLEAR (3mm) - Annealed
	Cavity 1 Argon 90% 12 mm
	Glazing 2 PLANITHERM ONE II PLANICLEAR (6mm) - Tempered
	Cavity 2 Argon 90% 12 mm
	Glazing 3 PLANITHERM ONE II PLANICLEAR (4mm) - Tempered

Simulated performance datas

	Luminous Factors Light Transmittance (TL) Outdoor Reflectance (RLe) Indoor Reflectance (RLi)	CIE (15-2004) 56% 30% 32%
	Energy Factors Transmittance (TE) Outdoor Reflectance (Ree) Indoor Reflectance (Rei) Absorptance A1 (AE1) Absorptance A2 (AE2) Absorptance A3 (AE3)	EN410 (2011-04) 30% 39% 45% 19% 9% 3%
	Solar Factors Solar Factor (g) Shading Coefficient (SC)	EN410 (2011-04) 0.38 0.44
	Thermal Transmission Ug Angle relative to the vertical	EN673-2011 0.7 W/(m2.K) 0°
	Acoustics Rw (C;Ctr) Ra Ra,tr STC (ASTM E413) OITC (ASTM E1332)	N/A N/A N/A N/A N/A
	Color Rendering Transmission (Ra) Reflection (Ra)	CIE (15-2004) 95.5 94.2
	Safety Class Pendulum Body Resistance	EN 12600 1 B1/1 C2/1 C3
	Anti-Burglary Burglar Resistance	EN 356 P1A/NPD/NPD
	Manufacturing Sizes Nominal Thickness Weight	40.8 mm 41 kg/m ²
	Sustainability Carbon footprint	
The value is calculated regarding the composition computed based on the standard EN 15804+ A2 (2019)		
	Global Warming Potential (GWP) – A1-A3 (kg. CO ₂ eq./m ²) European average	EN 15804+ A2 (2019) 78



Verified Results
EN 410
EN 673
www.tuv.com
ID: 000036859

Calumen® 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 ±1-2dB. 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.