

# SPECIFICATION DATABASE



GCP2 - 8/24 - V1.0  
**Royale**  
 Collection



## Centre Pane 'u' Value - Triple 4mm Annealed (1 x P1)



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

Coating: PLANITHERM ONE #5

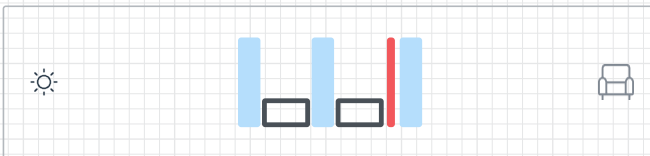
Computed by: Oli Pringle

Computed on: 13/08/2024

Product catalog: United Kingdom

Norms: EN410 (2011-04)

### Glazing type



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

### Simulated performance datas

	<b>Luminous Factors</b> Light Transmittance (TL) Outdoor Reflectance (RLe) Indoor Reflectance (RLi)	CIE (15-2004) 65% 27% 27%
	<b>Energy Factors</b> Transmittance (TE) Outdoor Reflectance (Ree) Indoor Reflectance (Rei) Absorptance A1 (AE1) Absorptance A2 (AE2) Absorptance A3 (AE3)	EN410 (2011-04) 41% 39% 43% 7% 6% 6%
	<b>Solar Factors</b> Solar Factor (g) Shading Coefficient (SC)	EN410 (2011-04) 0.48 0.56
	<b>Thermal Transmission</b> Ug Angle relative to the vertical	EN673-2011 0.9 W/(m2.K) 0°
	<b>Acoustics</b> <i>Acoustic measurement values according to EN 12758 and from notified body</i> Rw (C:Ctr) Ra Ra,tr STC (ASTM E413) OITC (ASTM E1332)	EN 12758 32 (-1; -4) dB 31 dB 28 dB N/A N/A
	<b>Color Rendering</b> Transmission (Ra) Reflection (Ra)	CIE (15-2004) 97.3 97.1
	<b>Safety Class</b> Pendulum Body Resistance	EN 12600 NPD
	<b>Anti-Burglary</b> Burglar Resistance	EN 356 NPD
	<b>Manufacturing Sizes</b> Nominal Thickness Weight	40.0 mm 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 (2019)</i> Global Warming Potential (GWP) – A1 – A3 (kg, CO <sub>2</sub> eq./m <sup>2</sup> ) European average	EN 15804+ A2 (2019) 51



Verified Results  
 EN 410  
 EN 673  
 www.tuv.com  
 ID: 0000036859

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.