

Type C + D (CD)

55.2 SI(16 Argon 90) 44.2 SI / PLANITHERM ONE #5

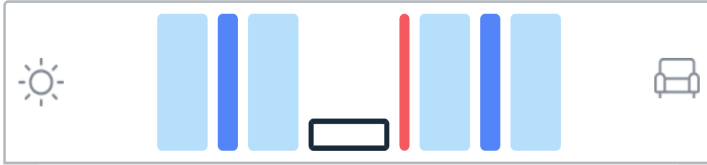
Computed by: **steve dixon**

Computed on: **29/11/2023**

Location: **United Kingdom**

Norms: **EN410 (2011-04)**

Glazing type



-  **Glazing 1**
PLANICLEAR (5mm) - Annealed
PVB SILENCE (0.76mm)
PLANICLEAR (5mm) - Annealed
-  **Cavity 1**
Argon 90% 16 mm
-  **Glazing 2**
PLANITHERM ONE
PLANICLEAR (4mm) - Annealed
PVB SILENCE (0.76mm)
PLANICLEAR (4mm) - Annealed

Simulated performance datas

 Luminous Factors	CIE (15-2004)
Light Transmittance (TL)	68%
Outdoor Reflectance (RLe)	21%
Indoor Reflectance (RLi)	22%
 Energy Factors	EN410 (2011-04)
Transmittance (TE)	39%
Outdoor Reflectance (Ree)	30%
Indoor Reflectance (Rei)	31%
Absorptance A1 (AE1)	23%
Absorptance A2 (AE2)	8%
 Solar Factors	EN410 (2011-04)
Solar Factor (g)	0.47
Shading Coefficient (SC)	0.54
 Thermal Transmission (Ug)	EN673-2011
Ug	1.0 W/(m2.K)
Angle relative to the vertical	0°
 Acoustics	EN 12758
<i>Acoustic simulated values</i>	
Rw	48 (-3; -8) dB
Ra	45 dB
Ra,tr	40 dB
STC (ASTM E413)	48
OITC (ASTM E1332)	37
 Color Rendering	CIE (15-2004)
Transmission (Ra)	96.3
Reflection (Ra)	96.1
 Safety Class	EN 12600
Pendulum Body Resistance	1B1/1B1
 Anti-Burglary	EN 356
Burglar Resistance	P2A/P2A
 Manufacturing Sizes	
Nominal Thickness	35.5 mm
Weight	47 kg/m²
 Sustainability	
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	78
(kg, CO ₂ eq./m²) European average	