

Type A + B (AB)

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

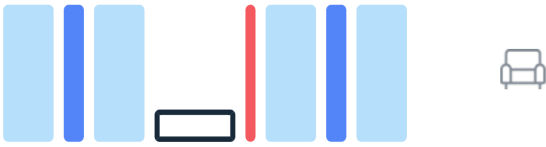
Computed by: **steve dixon**

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