

Type A + B Solar Control (ABSC)

55.2 SI(16 Argon 90) 44.2 SI / COOL-LITE SKN 183 #4

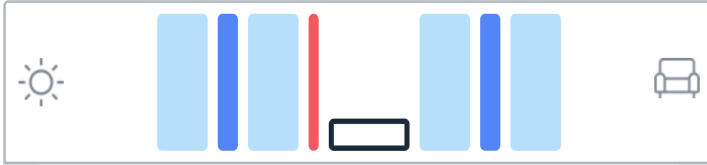
Computed by: **steve dixon**

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
COOL-LITE SKN 183



Cavity 1

Argon 90% 16 mm



Glazing 2

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)

73%
12%
13%



Energy Factors

Transmittance (TE)
Outdoor Reflectance (Ree)
Indoor Reflectance (Rei)
Absorptance A1 (AE1)
Absorptance A2 (AE2)

EN410 (2011-04)

35%
27%
30%
36%
2%



Solar Factors

Solar Factor (g)
Shading Coefficient (SC)

EN410 (2011-04)

0.38
0.44



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)

93.4
83.6



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, CO₂ eq./m²) European average

78