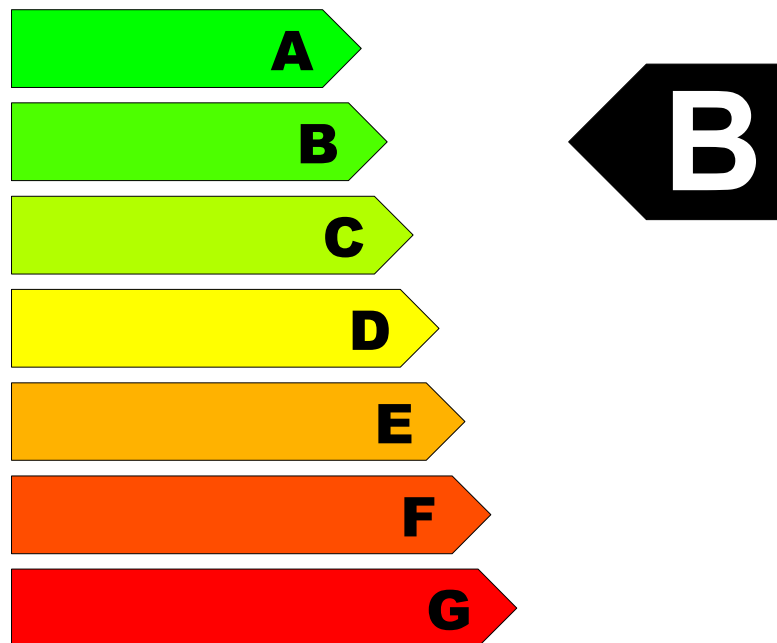


WER: Window Energy Performance Certificate

WER Window Energy Rating - In accordance with Approved Document L



Company

Swift

Project

J5646

Date

01 Apr 2021

WER: Window Energy Rating:
 $196.74((1-f) \times g_{\text{glass}}) - 68.5 \times (U + (0.0165 \times AL))$ **-10.1 kWh/m²/Year**

Thermal Transmittance: WER U Value of window calculated using the methods and conventions set out in BR443
Whole window U Value with frame, glazing and glass spacer bar combined.
Standard window configuration set out by BR443
U Window: **0.660+0.935+0.179** **1.8 W/m²K**

Frame: Supplier: Smart Architectural Aluminium
System: Vertical Slider
Cill: VS010 (2.685)
Head: VS011 (2.775)
Jamb: VS112 (2.810)
Heat Transfer: **2.988 W/m²K x (22.1% Frame)** **0.660 W/m²K**

Glazing: Supplier: Swift
Specification: 4mm Low Iron / 4mm Low-E Ecopane (Swift Spec)
Centre Pane, g Value: **1.20 W/m²K, 0.73**
Heat Transfer: **1.20 W/m²K x (77.9% Glass)** **0.935 W/m²K**

Spacer: Supplier: SwisSpacer
Spacer Bar: SwisSpacer Advanced
Heat Transfer: **0.047 W/mK x (3.814m/m²)** **0.179 W/m²K**

U Value: Window U Value:
Calculation to BS EN 14351-1 **1.8 W/m²K**