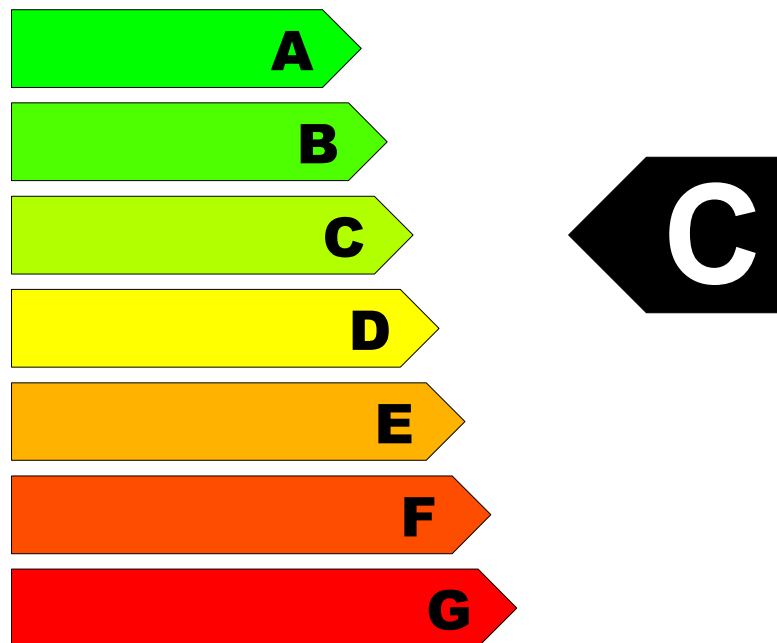


WER: Window Energy Performance Certificate

WER Window Energy Rating - In accordance with Approved Document L



Company

Swift

Project

J5646

Date

01 Apr 2021

WER:	Window Energy Rating: $196.74((1-f) \times \text{glass}) - 68.5 \times (U + (0.0165 \times \text{AL}))$	-15.0 kWh/m²/Year
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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: 0.721+0.930+0.194	1.8 W/m²K
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Frame:	Supplier: Smart Architectural Aluminium System: Alitherm 300 Outer Frame: ETC304 (3.127) Vent Frame: ETC321 (3.326) Transom Mullion: ETC333 (3.065) Heat Transfer: 3.200 W/m ² K x (22.5% Frame)	0.721 W/m²K
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Glazing:	Supplier: Swift Specification: 4mm Low Iron / 4mm Low-E Ecopane (Swift Spec) Centre Pane, g Value: 1.20 W/m ² K, 0.73 Heat Transfer: 1.20 W/m ² K x (77.5% Glass)	0.930 W/m²K
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Spacer:	Supplier: SwisSpacer Spacer Bar: SwisSpacer Advanced Heat Transfer: 0.047 W/mK x (4.127m/m ²)	0.194 W/m²K
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U Value:	Window U Value: Calculation to BS EN 14351-1	1.8 W/m²K
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