

# U Value: Certificate

Window U Value - In accordance with Approved Document L 2013

Company

Slide and Fold Limited

Project

Date

30 Jul 2015

# U Value

# 1.5 W/m<sup>2</sup>K

<b>WER:</b>	Window Energy Rating: 196.7((1-f)xglass) - 68.5 x (U + (0.0165 xAL))	<b>-42.8 kWhr/m<sup>2</sup>/Year</b>
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<b>Thermal Transmittance:</b>	WER U Value of window calculated using the methods and conventions set out in BR 443 Whole window U Value with frame, glazing and glass spacer bar combined. Standard window configuration set out in BR 443. U Window: 0.570+0.896+0.165	<b>1.6 W/m<sup>2</sup>K</b>
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<b>Frame:</b>	Supplier: Smart Architectual Aluminium System: Alitherm 300 Outer Frame: ETC313 Vent Frame: ETC327 Transom Mullion: ETC333 Heat Transfer: 3.069 W/m <sup>2</sup> K x (18.6% Frame)	<b>0.570 W/m<sup>2</sup>K</b>
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<b>Glazing:</b>	Supplier: Saint Gobain Specification: 4 Float/20/4 Seasons WE ARG Centre Pane, g Value: 1.10 W/m <sup>2</sup> K, 0.43 Heat Transfer: 1.10 W/m <sup>2</sup> K x (81.4% Glass)	<b>0.896 W/m<sup>2</sup>K</b>
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<b>Spacer:</b>	Supplier: Edgetech Spacer Bar: Super-Spacer-Triseal Heat Transfer: 0.039 W/mK x (4.224m/m <sup>2</sup> )	<b>0.165 W/m<sup>2</sup>K</b>
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<b>U Value:</b>	Window U Value: Calculation to BS EN14351-1	<b>1.5 W/m<sup>2</sup>K</b>
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