

WER: Window Energy Performance Certificate

WER Window Energy Rating - In accordance with Approved Document L 2013

Company

Example Ali 300

Project

Date

25 Sep 2017

A

B

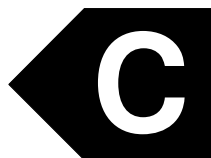
C

D

E

F

G



WER: Window Energy Rating:
 $196.7((1-f) \times g_{\text{glass}}) - 68.5 \times (U + (0.0165 \times AL))$ **-15.6 kWh/m²/Year**

Thermal Transmittance: 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: 0.721+0.926+0.161 **1.8 W/m²K**

Frame: Supplier: Smart Architectual Aluminium
System: Alitherm 300
Outer Frame: ETC304
Vent Frame: ETC321
Transom Mullion: ETC333
Heat Transfer: 3.200 W/m²K x (22.5% Frame) **0.721 W/m²K**

Glazing: Supplier: SaintGobain
Specification: 4/20/4 Planilux PlanithermTotal+ Argon
Centre Pane, g Value: 1.195 W/m²K, 0.71
Heat Transfer: 1.195 W/m²K x (77.5% Glass) **0.926 W/m²K**

Spacer: Supplier: Edgetech
Spacer Bar: Super-Spacer-Triseal
Heat Transfer: 0.039 W/mK x (4.127m/m²) **0.161 W/m²K**

U Value: Window U Value:
Calculation to BS EN14351-1 **1.7 W/m²K**