



**B R I T I S H
W O O D W O R K I N G
F E D E R A T I O N**

U-value Calculation Certificate

This is to certify that

RJR

of

**153 Windermere Way, Stourport-on-Severn,
Worcestershire DY13 8QH**

has achieved a thermal transmittance U-value of:

1.1 W/m²K

for: **BR 443 Model Sliding Sash Spiral Balance Window**

In accordance with calculations carried out on the BBA software tool, in compliance with BS EN ISO 10077-1:2006 using the following criteria:

Timber density:	510 kg/m ³
Frame thickness, d ₁ :	149 mm
Casement thickness, d ₂ :	57 mm
Thermal transmittance of glazing:	1.0 W/m ² K
Double glazing cavity size:	16 mm
Gas filling:	Argon
Low Emissivity coat:	0.05 x 1
Type & linear thermal transmittance of spacer:	Warm edge 0.027 W/mK

Certificate Number: **061804-1**

Notified Body Name and Number: **N/A**

Date of issue: **January 2016**

The window dimensions are based on the test specimen size in accordance with BS EN 14351-1:2006+A1:2010 Table E.1. This U-value is not suitable to be used in window energy ratings calculations or U-value simulations according to BS EN ISO 10077-2. This certificate remains the property of BWF and shall be returned upon request.

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