



**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

**PERFORMANCE DOORSET SOLUTIONS LTD**

of

**Greenvale Business Park, Todmorden Road, Littleborough  
Lancashire OL15 9AZ**

has achieved a thermal transmittance U-value of:

**1.3 W/m<sup>2</sup>K**

for: **BR 443 Model Stormproof Casement Softwood 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:

<b>Timber density:</b>	510 kg/m <sup>3</sup>
<b>Frame thickness, d<sub>1</sub>:</b>	69 mm
<b>Casement thickness, d<sub>2</sub>:</b>	57 mm
<b>Thermal transmittance of glazing:</b>	1.0 W/m <sup>2</sup> K
<b>Double glazing cavity size:</b>	14 (SBD) mm
<b>Gas filling:</b>	Argon
<b>Low Emissivity coat:</b>	0.03 x 1
<b>Type &amp; linear thermal transmittance of spacer:</b>	Warm edge 0.027 W/mK

**Certificate Number:** **061756-5**

**Notified Body Name and Number:** **British Board of Agrément NB 0836**

**Date of issue:** **May 2015**

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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