



***British Woodworking Federation  
U-value Calculation Certificate***

*This is to certify that*

**MH JOINERY PRODUCTS PLC**

*Of*

**Unit 11 Parrett Way, Colley Lane Industrial Estate,  
Bridgwater, Somerset, TA6 5LD**

*Has achieved a thermal transmittance U-value of*

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

*For a*

**BR 443 Model Sliding Sash with Weights and Pulleys Window  
Kensington**

*In accordance with calculations carried out on the ECWINS Software Tool, in  
compliance with BS EN ISO 10077-1:2006.*

Using the following criteria:

Timber Density (kg/m<sup>3</sup>) >500

Frame thickness d<sub>1</sub> (mm): 181 Casement thickness d<sub>2</sub> (mm): 58

Thermal transmittance of glazing (W/m<sup>2</sup>K): 1.2

Double Glazing

Cavity Size (mm): 14

Gas Filling: Argon

Low Emissivity coat: 0.05 x 1

Linear thermal transmittance of spacer (W/mK): Metal 0.06

*Certificate Number*

**ECWINS-BWF-060954-5**

*This U- value is not suitable to be used in 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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