



**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

**MH JOINERY PRODUCTS PLC**

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

has achieved a thermal transmittance U-value of:

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

for: **Type 2 Partially Glazed Softwood Door with Insulated Panel**

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 <sup>3</sup>
Frame thickness, d <sub>1</sub> :	92 mm
Door leaf thickness, d <sub>2</sub> :	57 mm
Composite panel nominal thickness:	45 mm
Frame material:	Softwood
Thermal conductivity value:	0.13 W/mK
Insulation details:	PUR Foam, 15 mm thickness, 0.024 W/mK
Thermal transmittance of glazing:	1.3 W/m <sup>2</sup> K
Cavity size: 12 mm	Gas filling: Argon
Low Emissivity coat: 0.05 x 1	
Type and linear thermal transmittance of spacer: Warm edge 0.032 W/mK	

**Certificate Number:** **BBA-BWF-060954-15**

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

**Date of issue:** **May 2014**

The doorset dimensions are based on the test specimen size in accordance with BS EN 14351-1:2006+A1:2010 Table E.2. 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.

The Building Centre, 26 Store Street, London WC1E 7BT  
Tel: 0844 209 2610 • Fax 0844 209 2611  
e-mail: bwf@bwf.org.uk • web: www.bwf.org.uk