



**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

of

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

has achieved a thermal transmittance U-value of:

1.3 W/m²K

for: **Blenheim - Sliding Sash Window - Spiral Balance**

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 : | 181 mm |
| Casement thickness, d ₂ : | 57 mm |
| Thermal transmittance of glazing: | 1.3 W/m ² K |
| Double glazing cavity size: | 12 mm |
| Gas filling: | Argon |
| Low Emissivity coat: | 0.05 x 1 |
| Type & linear thermal transmittance of spacer: | Warm edge 0.032 W/mK |

Certificate Number: **BBA-BWF-060954-9**

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

Date of issue: **May 2014**

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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