



## British Woodworking Federation U-value Calculation Certificate

This is to certify that

**LOMAX + WOOD LTD**

of

**North Barn, Thoby Lane, Mountnessing,  
Essex CM15 0SY**

has achieved a thermal transmittance U-value of:

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

for: **Kensington and Chelsea French Doors**

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: >500 kg/m<sup>3</sup>

Frame thickness,  $d_1$ : 94 mm Door leaf thickness,  $d_2$ : 56 mm

Composite panel nominal thickness: N/A mm

Thermal conductivity of softwood: 0.13 W/mK

Thermal conductivity of hardwood: N/A W/mK

Insulation details: N/A, N/A mm thickness, N/A W/mK

Thermal transmittance of glazing: 1.0 W/m<sup>2</sup>K

Cavity size: 16 mm Gas filling: Argon Low Emissivity coat: 0.01 x 1

Type and linear thermal transmittance of spacer: Warm edge 0.032 W/mK

Certificate Number: **BBA-BWF-061534-7**

Notified Body Name and Number: N/A

Date of issue: **January 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.

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