



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

This is to certify that

J L JOINERY LTD

Of

**Cockerton View, Grange Lane, Hutton, PRESTON,
Lancashire, PR4 5JE**

Has achieved a thermal transmittance U-value of

1.6 W/m²K

For

BR 443 Model Stormproof and Flush Casement Windows

*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/m³) >500

Frame thickness d₁ (mm): 86 Casement thickness d₂ (mm): 60

Thermal transmittance of glazing (W/m²K): 1.2

Double Glazing

Cavity Size (mm): 16

Gas Filling: Argon

Low Emissivity coat: 0.05 x 1

Linear thermal transmittance of spacer (W/mK): Warm edge 0.04

Certificate Number

ECWINS-BWF-061072-1

*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.*

Royal London House, 22-25 Finsbury Square, London EC2A 1DX

Tel: 0844 209 2610 • Fax 0844 209 2611

e-mail: bwf@bwf.org.uk • web: www.bwf.org.uk

A company limited by guarantee registered in England and Wales under number 5817473