Summary of U Value Calculation

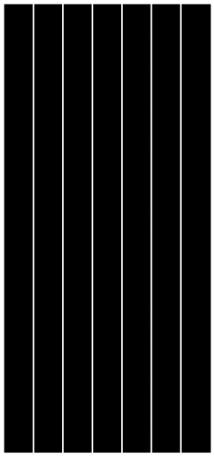
Undertaken by User, of Englex Ltd
Reference Number: Distinction Door demo
Uvalue override reference:
Distinction door, Renown RE01, Frame (Hardwood)
Calculation Date: 02/02/2011 Calculated following the principles of EN ISO 10077-1:2006

Basic Dimensions

Width of Opening: 1000 mm
Height of Opening: 2000 mm

Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.



This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd / Build Check Publications Ltd. For verification contact publications@buildcheck.co.uk.

Summary of U Value Calculation (ctd)

Distinction door, Renown RE01, Frame (Hardwood)

Calculation Date: 02/02/2011

Door Frame

Side	$A_{f,i}$	$A_{f,e}$	A_{frame}	Thickness
1	0.135 m²	0.135 m²	0.135 m²	4.0 mm
2	0.065 m²	0.065 m²	0.065 m²	4.0 mm
3	0.135 m²	0.135 m²	0.135 m²	4.0 mm
4	0.065 m²	0.065 m²	0.065 m²	4.0 mm

U_{frame}
3.14 W/m².K
3.14 W/m².K
3.14 W/m².K
3.14 W/m².K

$\sum A_{frame}$: 0.400 m²

$\sum A_{frame} . U_{frame}$: 1.259 W/K

Door Panes

Pane	Type	A_{panel}	U_{panel}	Perimeter	Spacer	ψ_{panel}
1	Panel	1.600 m²	0.534 W/m².K	5.440 m	None	0.000 W/m.K

$\sum A_{panel}$: 1.600 m²

$\sum A_{panel} . U_{panel}$: 0.854 W/K

$\sum l_{panel} . \psi_{panel}$: 0.000 W/K

Final U Value for Unit: 1.1 W/m².K

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Software Version: 1.02