

**Certificate No: CBA-315**

**Issued : August 2014**

**Issued by Concrete Block Association**

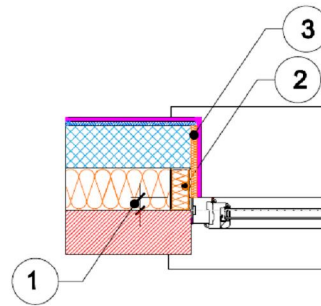
**Window Jamb**

Table K.1 Ref E4  
Approved  $\psi$ -value  
= 0.05 W/mK

Inner leaf	100 mm blockwork
Cavity	Full fill insulation, see table for options
Outer leaf	102 mm Brick = 0.77

**Key Points**

- 1 Minimum frame overlap to be 30mm.
- 2 Close the cavity with insulation with  $\lambda \leq 0.026$
- 3 Apply insulation with an R-value of at least 0.5 m<sup>2</sup>K/W to the reveal.



Calculations have been performed in accordance with:  
BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

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For more information contact **0116 232 5165** (C.B.A)

**Calculated  $\psi$ -values and f-values for different blockwork and **cavity insulation** as highlighted**

	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
<b>Cavity Insulation</b> ↓	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value
<b>100mm</b> =0.037	<b>0.010</b>	0.927	<b>0.009</b>	0.928	<b>0.008</b>	0.928
100mm =0.032	<b>0.011</b>	0.927	<b>0.010</b>	0.928	<b>0.011</b>	0.929
<b>150mm</b> =0.037	<b>0.016</b>	0.922	<b>0.015</b>	0.922	<b>0.015</b>	0.922
150mm =0.032	<b>0.017</b>	0.922	<b>0.016</b>	0.923	<b>0.016</b>	0.923

The f-value should be above 0.75 to minimise the risk of mould in dwellings.  
 NOTE: Because heat loss through windows and their frames is assessed separately, heat loss through the frame is not taken into account in the calculation of the  $\psi$ -value and f-value.

### On-site Checklist

- Frame overlap at least 30mm
- Cavity closed with insulation with  $\psi$  0.026
- Insulation with an R-value of at least 0.5 m<sup>2</sup>K/W applied to the reveal

**Site manager/supervisor**.....

**Site name**.....

**Plot number**.....

**Date**.....