

Certificate No: CBA-215

Issued : August 2014

Issued by Concrete Block Association

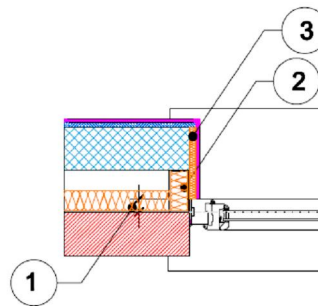
Window Jamb

Table K.1 Ref E4
Approved ψ -value
= 0.05 W/mK

Inner leaf	100 mm blockwork
Cavity	Partial 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 $0.5 \text{ m}^2\text{K/W}$ to the reveal.



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

Calculation prepared by: Chris Sanders B.Sc, M.Sc, GCU, Cowcaddens Rd, Glasgow G4 0BA.
For more information contact **0116 232 5165** (C.B.A)

Calculated ψ -values and f-values for different blockwork and **cavity insulation as highlighted**

	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
Cavity Insulation ↓	ψ -value W/mK	f-value	ψ -value W/mK	f-value	ψ -value W/mK	f-value
50mm =0.022	0.055	0.921	0.013	0.922	0.013	0.922
100mm =0.022	0.041	0.916	0.021	0.916	0.021	0.916

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 ψ -value and f-value.

On-site Checklist

- Frame overlap at least 30mm
- Cavity closed with insulation with ψ 0.026
- Insulation with an R-value of at least 0.5 m²K/W applied to the reveal

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....