

Certificate No: CBA-314

Issued : August 2014

Issued by Concrete Block Association

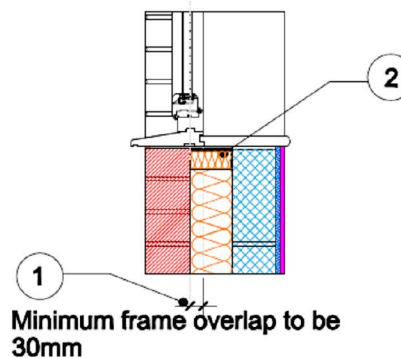
Window sill

Table K.1 Ref E3
Approved ψ -value
= 0.04 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 $\lambda \leq 0.026$



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

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Calculated ψ -values and f-values for window sill detail, 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
100mm =0.037	0.015	0.895	0.013	0.896	0.013	0.896
100mm =0.032	0.016	0.896	0.015	0.897	0.015	0.897
150mm =0.037	0.021	0.890	0.019	0.890	0.020	0.891
150mm =0.032	0.021	0.891	0.020	0.891	0.021	0.891

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

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....