

Certificate No: CBA-317

Issued : August 2014

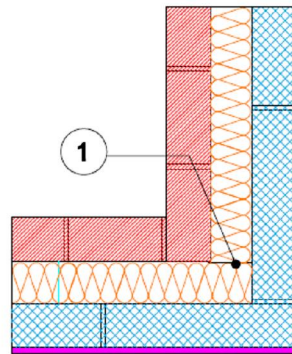
Issued by Concrete Block Association

**Inverted corner**  
Table K.1 Ref E17  
Approved  $\psi$ -value  
= -0.09 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 Ensure continuity of insulation at the corner.



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

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**Calculated  $\psi$ -values and f-values for Inverted corner detail, 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>-0.111</b>	0.964	<b>-0.119</b>	0.961	<b>-0.122</b>	0.960
100mm =0.032	<b>-0.100</b>	0.967	<b>-0.106</b>	0.966	<b>-0.107</b>	0.965
<b>150mm</b> =0.037	<b>-0.076</b>	0.974	<b>-0.079</b>	0.972	<b>-0.079</b>	0.972
150mm =0.032	<b>-0.067</b>	0.977	<b>-0.070</b>	0.976	<b>-0.070</b>	0.975

The f-value should be above 0.75 to minimise the risk of mould in dwellings.

### On-site Checklist

- Continuity of insulation at the corner

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

**Site name**.....

**Plot number**.....

**Date**.....