

**Certificate No: CBA-208**

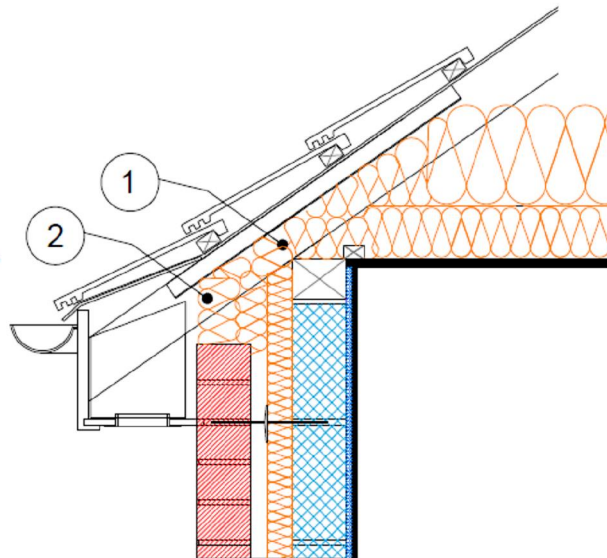
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**Issued by Concrete Block Association**

<b>Pitched roof eaves - ventilated loft</b> Table K.1 Ref E10 Approved $\psi$ -value = 0.06 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Partial Fill Insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Roof	400mm of insulation = 0.044

### Key Points

- 1 Ensure continuity of insulation between the loft and the external wall.
- 2 Fully fill the void with insulation.



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 external wall / eaves junction, insulated at ceiling level, 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
50mm =0.022	<b>0.080</b>	0.906	<b>0.086</b>	0.907	<b>0.090</b>	0.912
100mm =0.022	<b>0.097</b>	0.908	<b>0.105</b>	0.912	<b>0.111</b>	0.918

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

### On-site Checklist

- Continuity of insulation between the loft and the external wall
- Fully fill the void with insulation

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....