

Certificate No: CBA-210

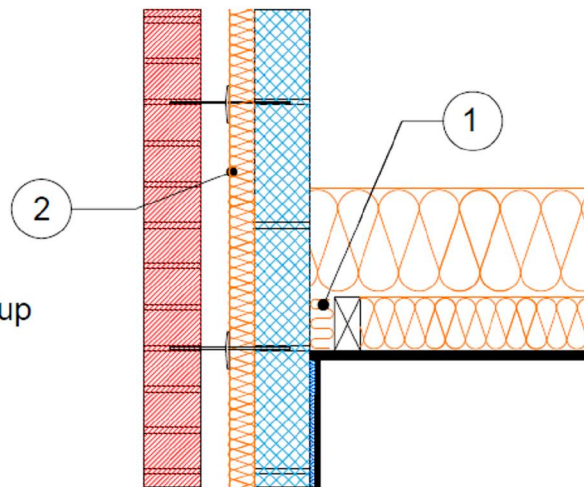
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<b>Pitched roof gable - ventilated loft</b>  Table K.1 Ref E12 Approved $\psi$ -value = 0.24 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Partial Fill Insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Roof	400mm of insulation = 0.044

### Key Points

- ① Pack insulation between the final truss and the wall.
- ② Continue the cavity insulation up at least 200mm above the top of the loft 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 pitched roof gable / loft 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>0.057</b>	0.910	<b>0.087</b>	0.898	<b>0.131</b>	0.888
100mm =0.022	<b>0.049</b>	0.928	<b>0.076</b>	0.918	<b>0.114</b>	0.912

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

### On-site Checklist

- Insulation packed between the final truss and the wall
- Cavity insulation continued at least 200mm above the top of the loft insulation

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

**Site name**.....

**Plot number**.....

**Date**.....