

Certificate No: CBA-309

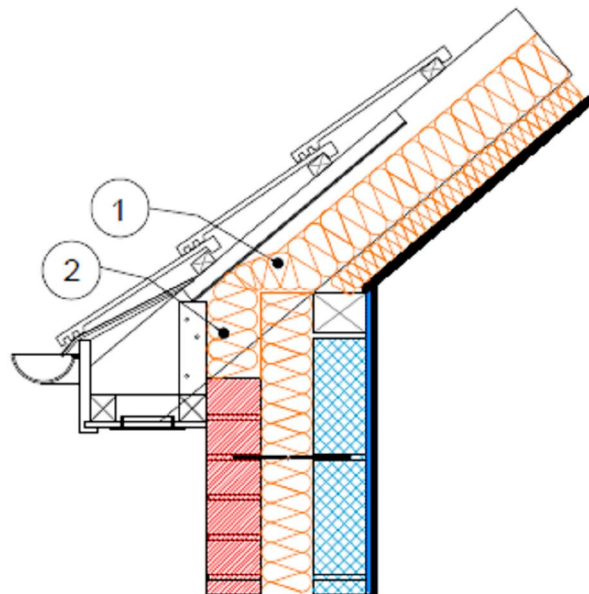
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<b>Pitched roof between and under rafter insulation - eaves</b> Table K.1 Ref E11 Approved $\psi$ -value = 0.04 W/mK	Inner leaf	100 mm blockwork
	Cavity	Full fill insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Roof	100 mm insulation between rafters and 50 mm of insulation below rafters, both = 0.022 value

### Key Points

- 1 Ensure continuity of insulation between the roof and 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 roof 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
<b>100mm</b> =0.037	<b>-0.005</b>	0.946	<b>-0.007</b>	0.948	<b>-0.006</b>	0.950
100mm =0.032	<b>-0.002</b>	0.947	<b>-0.002</b>	0.949	<b>-0.002</b>	0.951
<b>150mm</b> =0.037	<b>0.004</b>	0.948	<b>0.004</b>	0.951	<b>0.005</b>	0.953
150mm =0.032	<b>0.007</b>	0.949	<b>0.007</b>	0.952	<b>0.008</b>	0.954

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

### On-site Checklist

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

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

**Site name**.....

**Plot number**.....

**Date**.....