

Certificate No: CBA-311

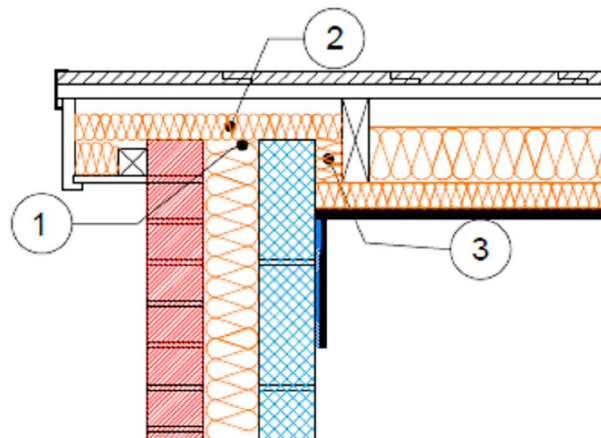
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Issued by Concrete Block Association

Pitched roof between and under rafter insulation - gable Table K.1 Ref E13 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
	Roof	100 mm insulation between rafters and 50 mm of insulation below rafters both = 0.022

Key Points

- ① Continue cavity insulation up to the wall head.
- ② Fill the void above the wall head with insulation.
- ③ Pack insulation between the final rafter and the wall.



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

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For more information contact **0116 232 5165** (C.B.A)

Calculated ψ -values and f-values for pitched roof gable / roof junction insulated at roof level, 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	0.055	0.903	0.073	0.902	0.088	0.909
100mm =0.032	0.056	0.906	0.073	0.906	0.088	0.913
150mm =0.037	0.059	0.910	0.076	0.911	0.091	0.919
150mm =0.032	0.058	0.913	0.075	0.914	0.090	0.922

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

On-site Checklist

- Cavity insulation continued up to the wall head
- Void above the wall head filled with insulation.
- Insulation packed between the final rafter and the wall

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....