

Certificate No: CBA-310

Issued : November 2014

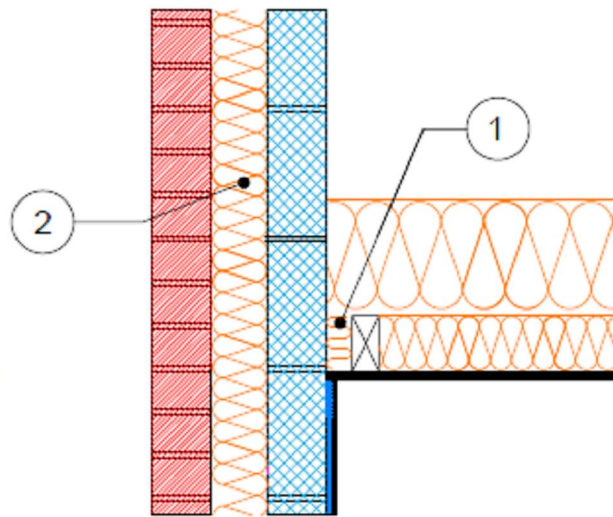
Issued by Concrete Block Association

Pitched roof gable - ventilated loft Table K.1 Ref E12 Approved ψ -value = 0.24 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Full 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 ψ -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	
Cavity Insulation ↓	ψ -value W/mK	f-value	ψ -value W/mK	f-value	ψ -value W/mK	f-value
100mm =0.037	0.058	0.910	0.087	0.897	0.132	0.888
100mm =0.032	0.055	0.915	0.084	0.903	0.127	0.894
150mm =0.037	0.052	0.922	0.080	0.912	0.120	0.904
150mm =0.032	0.050	0.926	0.077	0.916	0.116	0.910

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.....