
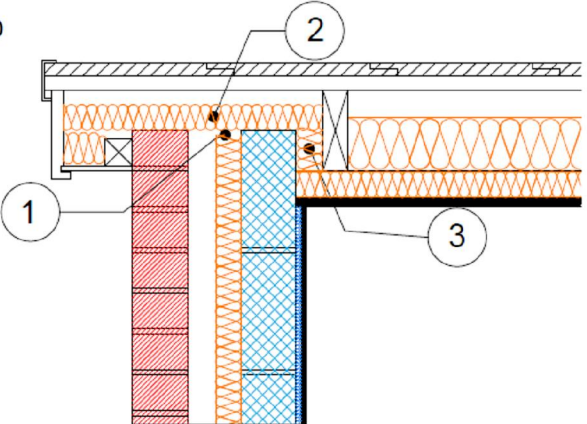
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
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Certificate No: CBA-211	Issued : November 2014
Issued by Concrete Block Association	

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	Partial 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 Ensure to fill the void in the wall head, pack insulation tightly

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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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
50mm =0.022	0.055	0.904	0.072	0.903	0.086	0.910
100mm =0.022	0.053	0.915	0.073	0.916	0.088	0.924

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, tightly

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....