
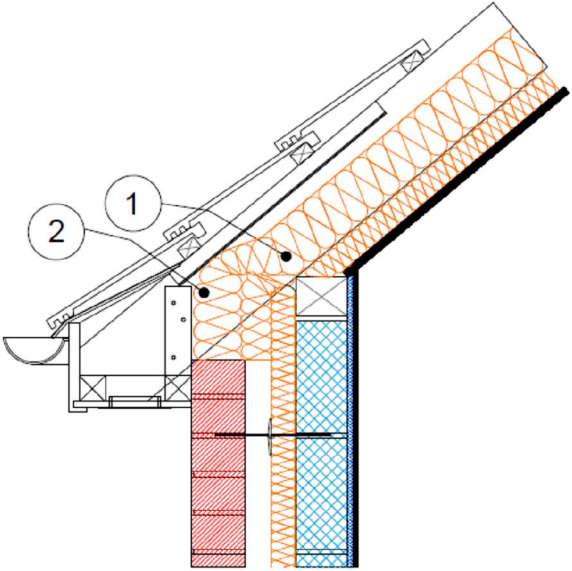
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
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Certificate No: CBA-209	Issued : November 2014
Issued by Concrete Block Association	

Pitched roof between and under rafter insulation - eaves Table K.1 Ref E11 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 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 ψ -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	
Cavity Insulation ↓	ψ -value W/mK	f-value	ψ -value W/mK	f-value	ψ -value W/mK	f-value
50mm =0.022	-0.008	0.946	-0.009	0.948	-0.009	0.950
100mm =0.022	0.007	0.949	0.007	0.952	0.008	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.....