

Certificate No: CBA-303

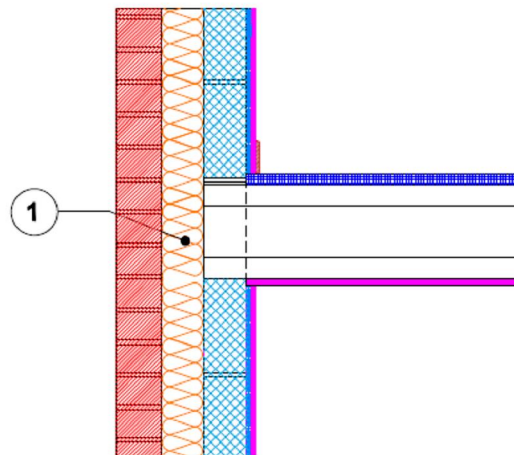
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Issued by Concrete Block Association

Intermediate floor within a dwelling – External wall Table K.1 Ref E6 Approved ψ -value = 0.07 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Full fill insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Intermediate floor	Timber joists

Key Points

- 1 Insulation to be continuous across floor abutment zone.



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 intermediate timber floors, and
cavity Insulation as highlighted

Cavity Insulation ↓	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
	ψ -value W/mK	f-value	ψ -value W/mK	f-value	ψ -value W/mK	f-value
100mm =0.037	0.001	0.960	0.000	0.957	0.002	0.954
100mm =0.032	0.000	0.964	0.000	0.962	0.000	0.959
150mm =0.037	0.001	0.971	0.000	0.969	0.000	0.967
150mm =0.032	0.000	0.974	0.000	0.973	0.000	0.971

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

On-site Checklist

- Wall insulation continuous across the floor zone

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....