

Certificate No: CBA-304

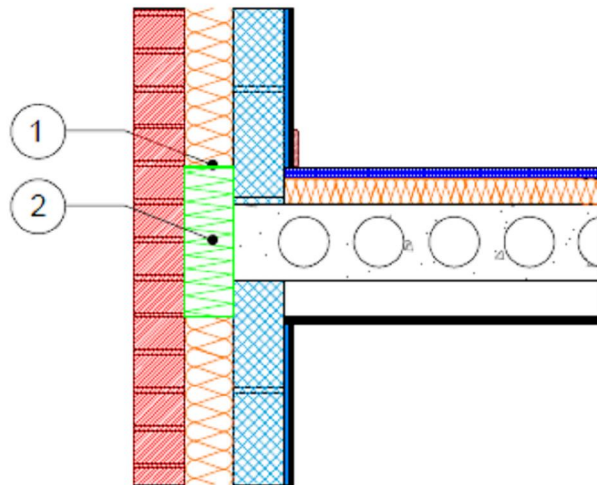
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Issued by Concrete Block Association

Concrete intermediate floor between dwellings - External wall Table K.1 Ref E7 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
	Separating floor	Precast concrete floor

Key Points

- 1 Continue the insulation to abut the proprietary fire stop, where used.
- 2 Proprietary fire stop to be the same W/mK as filled cavity insulation, where used.



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 precast concrete floors, 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	0.104	0.958	0.105	0.954	0.108	0.951
100mm =0.032	0.092	0.962	0.093	0.959	0.094	0.957
150mm =0.037	0.074	0.970	0.074	0.968	0.075	0.966
150mm =0.032	0.065	0.973	0.065	0.971	0.066	0.970

** Half the ψ -value shown should be applied to each dwelling*

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

On-site Checklist

- Continue the wall insulation to abut the fire stop, where used
- Proprietary fire stop to be the same W/mK as external wall insulation, where used

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....