
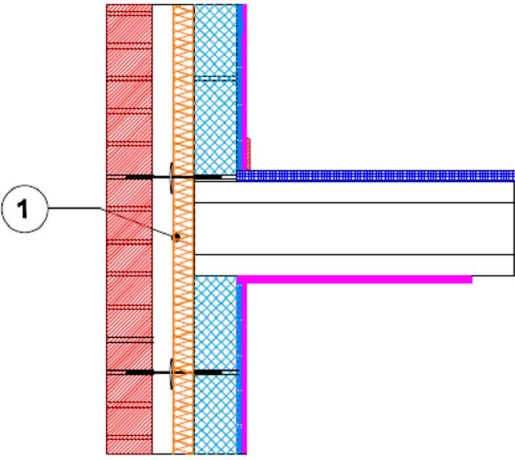
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
---	--	---

Certificate No: CBA-203	Issued : August 2014
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	Partial Fill Insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Intermediate floor	Timber joists

<p>Key Points</p> <p>① Insulation to be continuous across floor abutment zone.</p>	
---	---

Calculations have been performed in accordance with:
 BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

Calculation prepared by: Chris Sanders B.Sc, M.Sc, GCU, Cowcaddens Rd, Glasgow G4 0BA.
 For more information contact **0116 232 5165** (C.B.A)

Calculated ψ -values and f-values for intermediate timber 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
50mm $\lambda=0.022$	0.000	0.960	0.001	0.957	0.002	0.954
100mm $\lambda=0.022$	0.000	0.976	0.000	0.974	0.001	0.973

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.....