
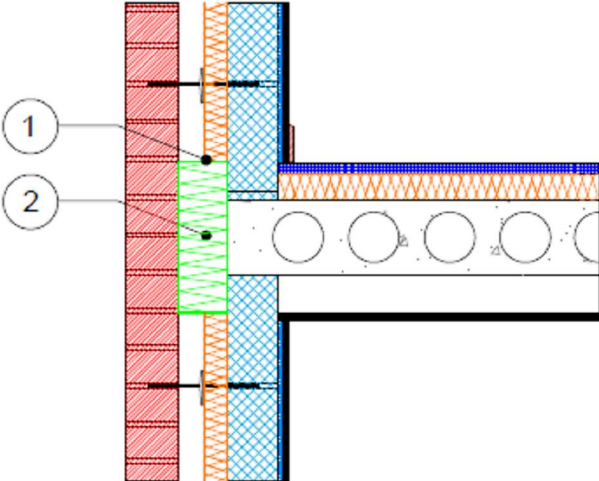
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
---	--	---

Certificate No: CBA-204	Issued : November 2014
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	Partial 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.
- 2 Proprietary fire stop max. 0.044W/mK.



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 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
50mm $\lambda=0.022$	0.121	0.954	0.124	0.950	0.126	0.950
100mm $\lambda=0.022$	0.085	0.969	0.086	0.968	0.088	0.967

**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

- Wall insulation to abut the proprietary fire stop
- Proprietary fire stop max 0.044W/mK

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....