

Certificate No: CBA-E20-T-A1

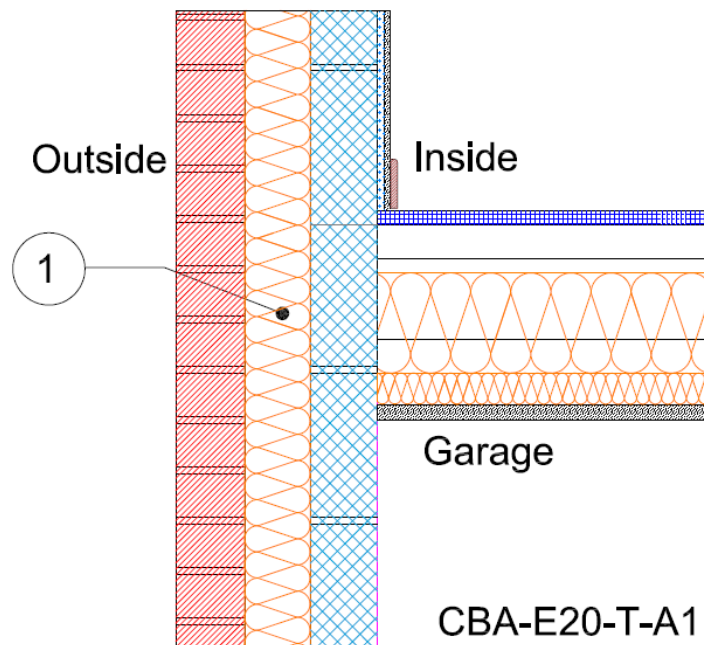
Issued : January 2016

Issued by Concrete Block Association

Exposed Floor (normal) Table K.1 Ref E20 Approved ψ -value = 0.32 W/mK	Inner leaf	100 mm blockwork
	Cavity	Full fill insulation
	Outer leaf	102 mm brick $\lambda = 0.77$
	Semi-exposed floor	Timber with 45mm wide joists on hangers with garage below 150mm of insulation, $\lambda = 0.037$ between the joists and 25mm of insulation, $\lambda = 0.022$ below the joists

Key Point

1. Continue the wall insulation across the floor zone



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 (CBA).

Calculated ψ -values and f-values exposed floor (normal) 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 $\lambda=0.037$	0.076	0.859	0.129	0.838	0.225	0.815
100mm $\lambda=0.032$	0.079	0.862	0.134	0.841	0.232	0.817
150mm $\lambda=0.037$	0.082	0.867	0.138	0.845	0.239	0.821
150mm $\lambda=0.032$	0.082	0.870	0.140	0.848	0.243	0.823

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

On-site Checklist

1. Wall insulation continuous across the floor zone

Signed:

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....