

Certificate No: CBA-E20-C-B1

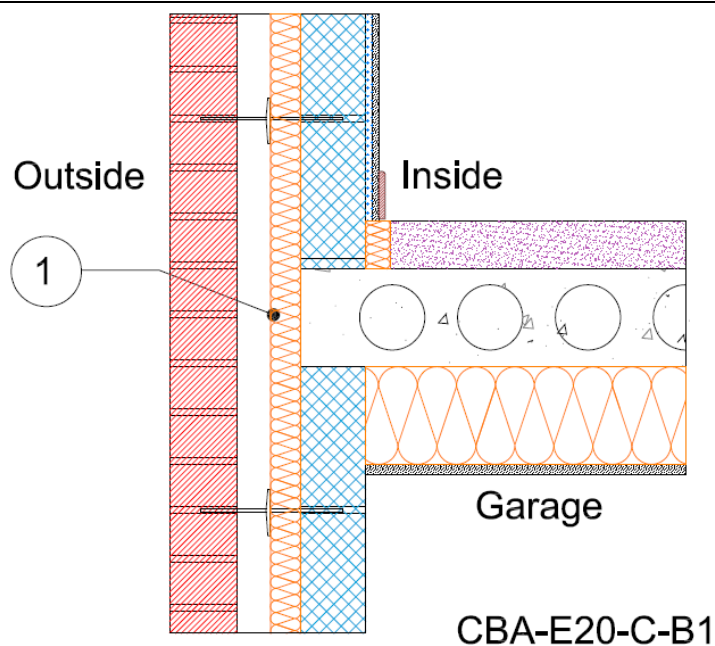
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Issued by Concrete Block Association

Exposed Floor (normal) Table K.1 Ref E20 Approved ψ -value = 0.32 W/mK	Inner leaf	100 mm blockwork
	Cavity	Partial cavity fill with low-e facing and 50mm cavity
	Outer leaf	102 mm brick $\lambda = 0.77$
	Semi-exposed floor	Precast hollow core concrete floor with garage below with 150mm of insulation, $\lambda = 0.037$ below the hollow core deck

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
50mm $\lambda=0.022$	0.158	0.897	0.219	0.879	0.318	0.857
100mm $\lambda=0.022$	0.135	0.911	0.201	0.892	0.307	0.868

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.....