

Certificate No: CBA-E20-T-A2

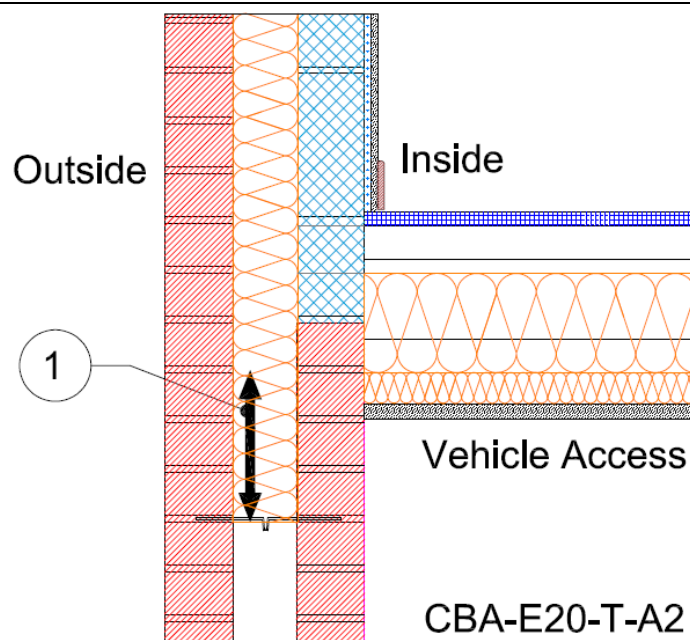
Issued : January 2016

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 $\lambda = 0.77$
	Exposed floor	Timber with 45mm wide joists on hangers with vehicle access 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 at least 225 mm below the base of the floor



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

	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 $\lambda=0.037$	0.101	0.835	0.142	0.830	0.190	0.837
100mm $\lambda=0.032$	0.102	0.838	0.144	0.833	0.192	0.840
150mm $\lambda=0.037$	0.106	0.842	0.149	0.837	0.198	0.845
150mm $\lambda=0.032$	0.108	0.843	0.150	0.839	0.200	0.847

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

On-site Checklist

1. Wall insulation continues at least 225 mm below the base of the floor

Signed:

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....