

**Certificate No: CBA-E20-C-B2**

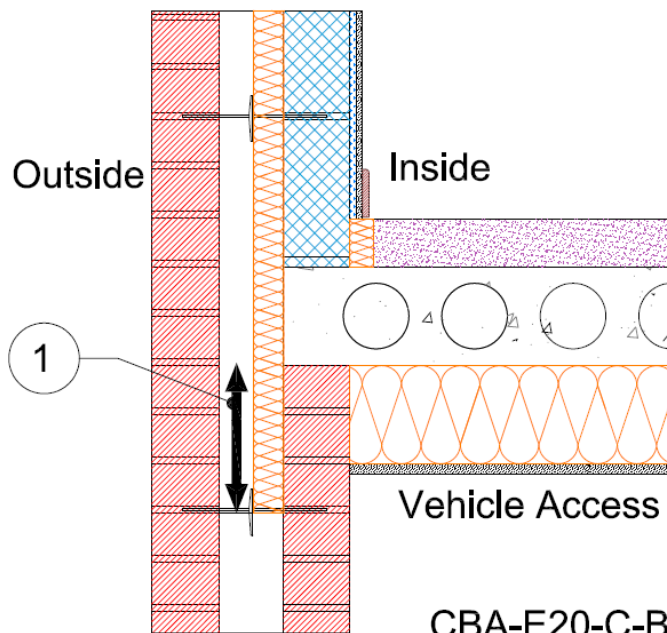
**Issued : January 2016**

**Issued by Concrete Block Association**

<b>Exposed Floor (normal)</b> Table K.1 Ref E20 Approved $\psi$ -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 $\lambda = 0.77$
	Exposed floor	Precast hollow core concrete floor with vehicle access below with 150mm of insulation, $\lambda = 0.037$ below the hollow core deck

**Key Point**

1. Continue the wall insulation at least 225 mm below base of the hollow core deck



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  $\psi$ -values and f-values exposed floor (normal) and **cavity insulation** as highlighted

Cavity Insulation	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value
50mm $\lambda=0.022$	0.238	0.868	0.244	0.871	0.252	0.876
100mm $\lambda=0.022$	0.223	0.880	0.230	0.883	0.239	0.889

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 base of the hollow core deck

**Signed:**

**Site manager/supervisor**.....

**Site name**.....

**Plot number**.....

**Date**.....