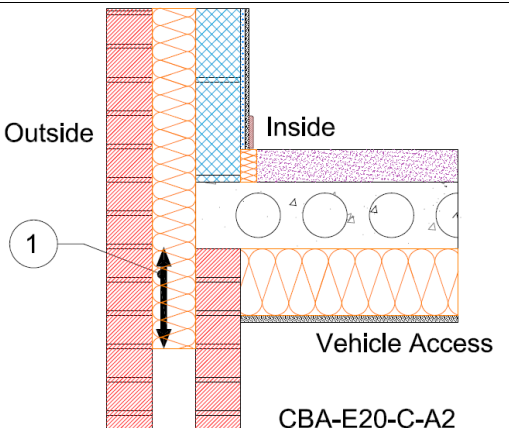


| | |
|---|------------------------------|
| Certificate No: CBA-E20-C-A2 | Issued : January 2016 |
| Issued by Concrete Block Association | |

| | | |
|---|---------------|--|
| 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 | Precast hollow core concrete floor over vehicle access, with 150mm of insulation, $\lambda = 0.037$ below the hollow core deck |

| | |
|---|--|
| <p>Key Point</p> <p>1. Continue the wall insulation at least 225 mm below base of the hollow core deck</p> |  |
|---|--|

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).

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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 $\lambda=0.037$ | 0.239 | 0.868 | 0.245 | 0.870 | 0.254 | 0.875 |
| 100mm $\lambda=0.032$ | 0.234 | 0.871 | 0.241 | 0.874 | 0.249 | 0.879 |
| 150mm $\lambda=0.037$ | 0.229 | 0.876 | 0.235 | 0.879 | 0.244 | 0.884 |
| 150mm $\lambda=0.032$ | 0.226 | 0.879 | 0.233 | 0.881 | 0.241 | 0.887 |

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 hollow core floor deck

Signed:

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....

