

**Certificate No: CBA-306**

**Issued : November 2014**

**Issued by Concrete Block Association**

**Separating wall and roof with insulation at ceiling level**  
Table K.1 Ref P4  
Default  
value =0.24 W/mK

Separating wall

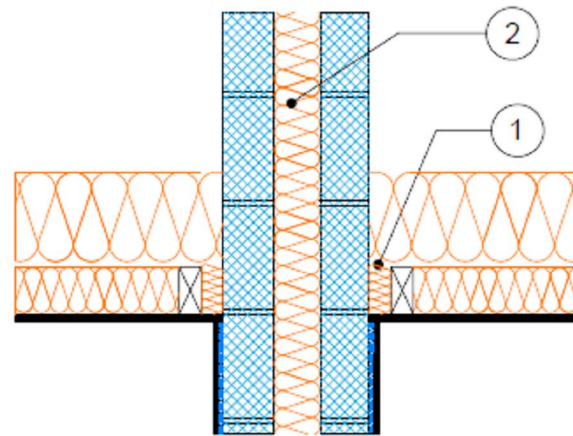
Two leaves of lightweight or dense blockwork with a fully filled cavity

Loft insulation

400mm of insulation with  $\psi = 0.044$

**Key Points**

- 1 Fill the space between the separating wall and last joist with insulation.
- 2 Ensure that the cavity insulation extends at least 200mm above the top of the loft insulation.



**Calculated  $\psi$ -values and f-values for separating wall / roof junction, insulated ceiling level**

Separating wall block	$\psi$ -value W/mK *	f-value
Lightweight	0.081	0.924
Dense	0.200	0.896

**\* Half the  $\psi$ -value shown should be applied to each dwelling**

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

Calculations have been performed in accordance with:  
BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

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## On-site Checklist

- Space between the separating wall and last joist filled with insulation
- Cavity insulation extends at least 200mm above the top of the loft insulation

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

**Site name**.....

**Plot number**.....

**Date**.....