
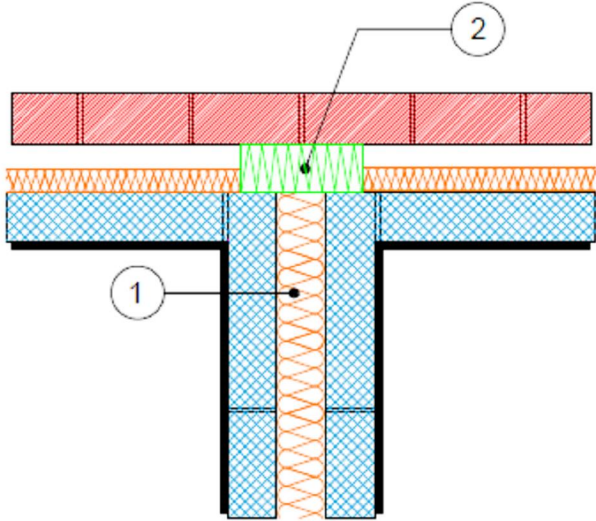
	<b>Linear Thermal Transmittance (<math>\psi</math>-value)</b> <b>Temperature Factor (f-value)</b>	
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<b>Certificate No: CBA-205</b>	<b>Issued : November 2014</b>
<b>Issued by Concrete Block Association</b>	

<b>Masonry separating wall – External wall</b>  Table K.1 Ref E18 Approved $\psi$ -value = 0.06 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Partial Fill Insulation, see table for options
	Outer leaf	102 mm Brick = 0.77
	Separating wall	Two leaves of lightweight or dense blockwork with fully filled cavity

**Key Points**

- 1 Fill the separating wall cavity with insulation.
- 2 Proprietary fire stop max. 0.044W/mK.



Blockwork Separating Wall

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

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Calculated  $\psi$ -values and f-values for separating wall / external wall junction, and **cavity Insulation** as highlighted (*separating wall insulated*)

**Lightweight separating wall block**

	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
<b>Cavity Insulation</b> ↓	$\psi$ -value W/mK *	f-value	$\psi$ -value W/mK *	f-value	$\psi$ -value W/mK *	f-value
50mm =0.022	<b>0.097</b>	0.948	<b>0.104</b>	0.945	<b>0.109</b>	0.945
100mm =0.022	<b>0.072</b>	0.964	<b>0.076</b>	0.964	<b>0.078</b>	0.964

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

**Dense separating wall block**

	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
<b>Cavity Insulation</b> ↓	$\psi$ -value W/mK *	f-value	$\psi$ -value W/mK *	f-value	$\psi$ -value W/mK *	f-value
50mm =0.022	<b>0.100</b>	0.956	<b>0.108</b>	0.953	<b>0.113</b>	0.952
100mm =0.022	<b>0.074</b>	0.970	<b>0.078</b>	0.969	<b>0.081</b>	0.969

*\* 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.

**On-site Checklist**

- Separating wall cavity filled with insulation
- Proprietary fire stop max 0.044W/mK

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

**Site name.....**

**Plot number.....**

**Date.....**