
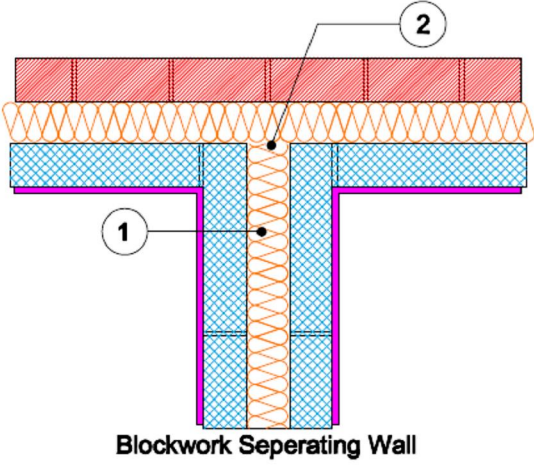
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
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Certificate No: CBA-305	Issued : August 2014
Issued by Concrete Block Association	

Masonry separating wall – External wall Table K.1 Ref E18 Approved ψ -value = 0.06 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Full fill insulation, see tables for options
	Outer leaf	102 mm Brick = 0.77
	Separating wall	Two leaves of lightweight or dense blockwork with fully filled cavity

<p>Key Points</p> <ol style="list-style-type: none"> 1 Fill the separating wall cavity with insulation. 2 Ensure continuity of insulation between external and separating wall. 	 <p style="text-align: center;">Blockwork Separating Wall</p>
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Calculations have been performed in accordance with:
 BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

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Calculated ψ -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	
Cavity Insulation ↓	ψ -value W/mK *	f-value	ψ -value W/mK *	f-value	ψ -value W/mK *	f-value
100mm =0.037	0.084	0.952	0.088	0.950	0.092	0.949
100mm =0.032	0.075	0.957	0.079	0.955	0.081	0.955
150mm =0.037	0.062	0.965	0.064	0.964	0.065	0.964
150mm =0.032	0.055	0.969	0.056	0.968	0.058	0.968

** Half the ψ -value shown should be applied to each dwelling*

Dense separating wall block

	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 =0.037	0.087	0.959	0.092	0.957	0.096	0.955
100mm =0.032	0.077	0.964	0.082	0.962	0.084	0.960
150mm =0.037	0.064	0.970	0.066	0.969	0.067	0.968
150mm =0.032	0.056	0.974	0.058	0.973	0.060	0.972

** Half the ψ -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
- Continuity of insulation between the external and separating walls

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....