



**Linear Thermal Transmittance (ψ -value)
Temperature Factor (f-value)**

Certificate No: CBA-312B

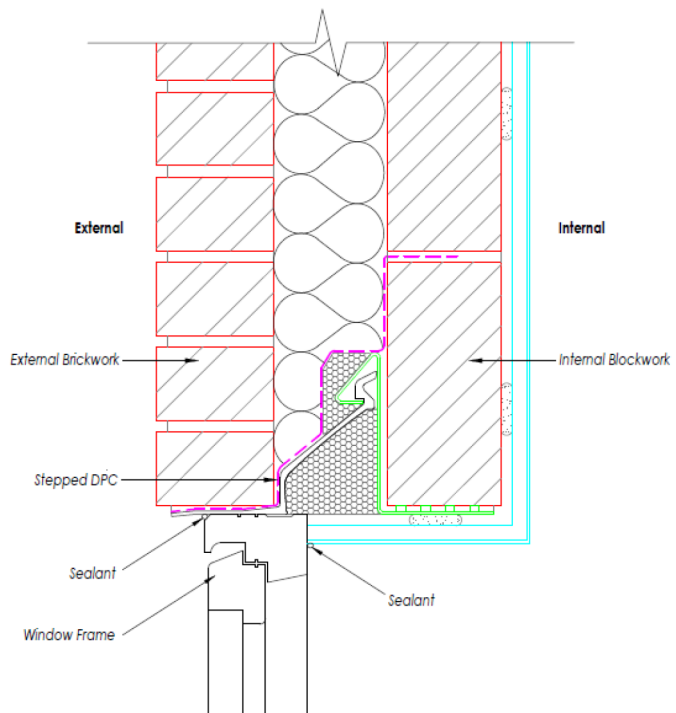
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Insulated Steel Lintel Table K.1 Ref E1 Approved ψ -value = 0.50 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Full fill insulation, see table for options
	Outer leaf	102 mm Brick $\lambda = 0.77$
	Lintel	Keystone HiTherm Lintel (HTS 100 & 150)

KEY Points

Minimum Frame overlap of 30mm



Calculations based upon the HTS 100 & HTS 150 ONLY

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 Keystone HTS 100 & HTS 150 lintel, and **cavity insulation as highlighted**

	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
50mm $\lambda=0.022$	0.030	0.96	0.028	0.95	0.027	0.95
100mm $\lambda=0.022$	0.030	0.96	0.028	0.96	0.028	0.95
150mm $\lambda=0.037$	0.050	0.96	0.049	0.96	0.049	0.96
150mm $\lambda=0.032$	0.050	0.96	0.049	0.96	0.049	0.96

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

NOTE: Because heat loss through windows and their frames is assessed separately, heat loss through the frame is not taken into account in the calculation of the ψ -value and f-value.

On-site Checklist

- Minimum frame overlap of 30mm



Site manager/supervisor.....

Site name.....

Plot number.....

Date.....