

Certificate No: CBA-2126

Issued: December 2017

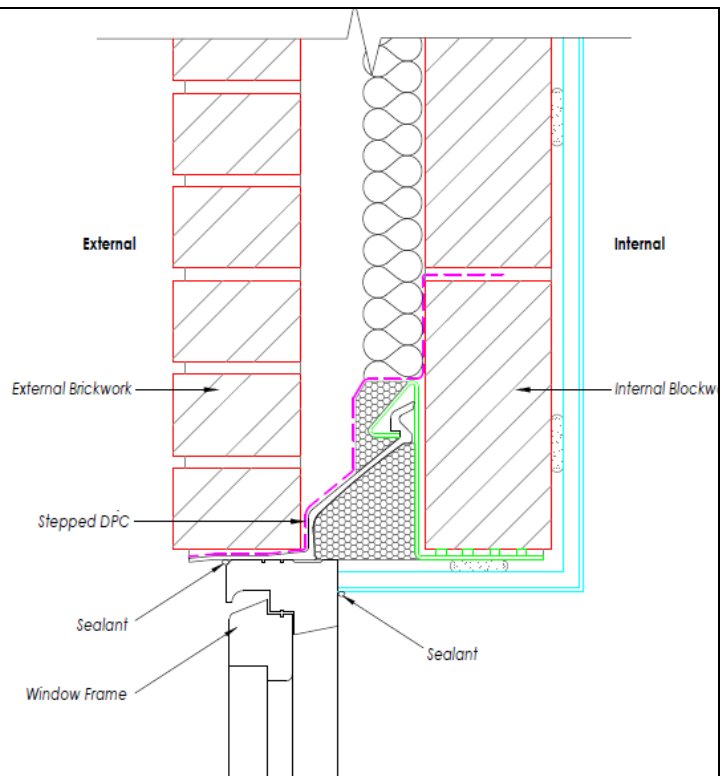
Issued by Concrete Block Association

**Insulated Steel
Lintel**
Table K.1 Ref E1
Approved ψ -value
= 0.50 W/mK

Inner leaf	100 mm Blockwork
Cavity	Partial fill insulation, see table for options
Outer leaf	102 mm Brick $\lambda = 0.77$
Lintel	Keystone Hi Therm HTS 100 & HTS 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

Calculation prepared by: Barry Quinn, Keystone Lintels, 028 8676 2184
For more information contact **0116 232 5165** (C.B.A)

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 $\lambda=0.022$	0.050	0.95	0.048	0.95	0.048	0.95
100mm $\lambda=0.022$	0.064	0.96	0.064	0.96	0.064	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.....