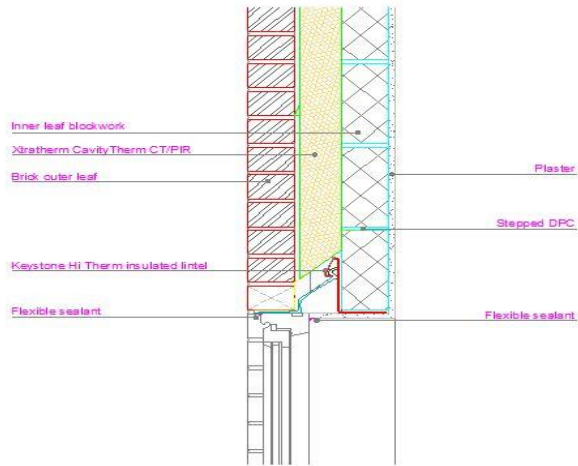
 C B A CONCRETE BLOCK ASSOCIATION	Linear Thermal Transmittance (ψ-value) PSI Value Temperature Factor (f-value)	Technical Services from Xtratherm
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Certificate No: CBA-XT- CT -002	Issued : August 2014
Issued by Concrete Block Association	

Insulated Composite Lintel Table K.1 Ref E2 Approved ψ -value = 0.30 W/mK	Inner leaf	100 mm blockwork
	Cavity	CavityTherm by Xtratherm, see table for options
	Outer leaf	102 mm Brick = 0.77

<p>Key Points</p> <ol style="list-style-type: none"> 1. Minimum frame overlap to be 30mm 2. Close the cavity with Keystone Hi-Therm Lintel 	
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Calculations have been performed in accordance with:
 BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

Calculation prepared by : Xtratherm UK Limited

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 +44 (0) 371 2221033 email: info@xtratherm.com

Calculated ψ -values and f-values for **Keystone Hi-Therm Lintel,
blockwork and cavity insulation as highlighted**

Cavity Insulation ↓	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
	ψ -value W/mK	f-value	ψ -value W/mK	f-value	ψ -value W/mK	f-value
100mm CT-PIR	0.043	0.941	0.042	0.941	0.041	0.942
125mm CT-PIR	0.053	0.941	0.052	0.941	0.051	0.942
150mm CT-PIR	0.058	0.941	0.058	0.941	0.058	0.942

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

- Frame overlap at least 30mm
- Cavity closed with insulated proprietary lintel

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....