CONCRETE BLOCK ASSOCIATION	**Linear Thermal Transmittance (ψ-value)** **Temperature Factor (f-value)**	Technical Services from Xtratherm

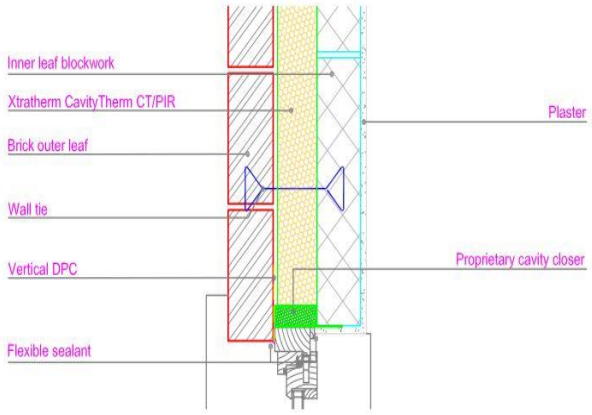
Certificate No: CBA-XT-CT-005	**Issued : August 2014**
Issued by Concrete Block Association	

Window Jamb Table K.1 Ref E4 Approved ɣ -value = 0.05 W/mK	Inner leaf	100 mm blockwork
	Cavity	CavityTherm by Xtratherm, see table for options
	Outer leaf	102 mm Brick ə= 0.77

Key Points

1. **Frame overlapping the cavity closure**

2. **Close the cavity with insulation with λ ≤ 0.026**



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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Calculated ψ-values and f-values for Window Jamb with 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
100mm CT-PIR	**0.000**	0.966	**0.000**	0.968	**0.000**	0.972
125mm CT-PIR	**0.000**	0.966	**0.000**	0.967	**0.000**	0.968
150mm CT-PIR	**0.001**	0.965	**0.000**	0.965	**0.000**	0.966

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 overlapping the proprietary cavity closure (fully) ☐
- Cavity closed with insulation with ə-Ò0.026 ☐

Site manager/supervisor……..

Site name……..

Plot number……

Date……