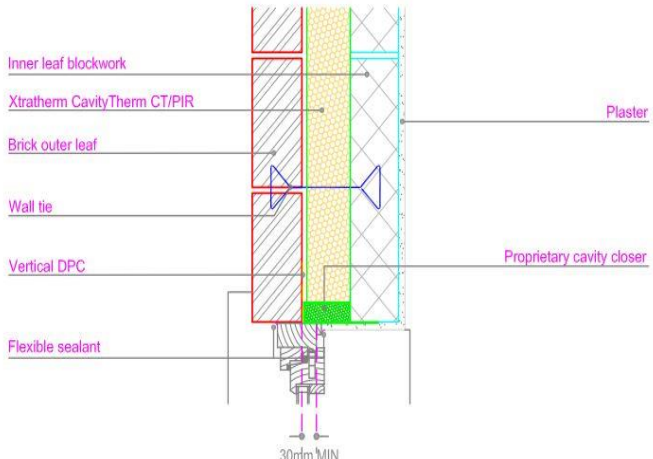
	<b>Linear Thermal Transmittance (<math>\psi</math>-value) Psi Value</b> <b>Temperature Factor (f-value)</b>	<b>Technical Services</b> <b>from Xtratherm</b>
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<b>Certificate No: CBA-XT-CT-004</b>	<b>Issued : August 2014</b>
<b>Issued by Concrete Block Association</b>	

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

<p><b>Key Points</b></p> <ol style="list-style-type: none"> <li><b>1. Minimum frame overlap to be 30mm</b></li> <li><b>2. Close the cavity with insulation with <math>\lambda \leq 0.026</math></b></li> </ol>	
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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

**Calculated  $\psi$ -values and f-values for Window Jamb, cavity insulation & block-work as highlighted**

	Inner leaf blockwork					
	Ultra lightweight		Lightweight		Dense	
<b>Cavity Insulation</b> ↓	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value	$\psi$ -value W/mK	f-value
100mm CT-PIR	<b>0.019</b>	0.919	<b>0.018</b>	0.920	<b>0.018</b>	0.920
125mm CT-PIR	<b>0.021</b>	0.917	<b>0.021</b>	0.917	<b>0.021</b>	0.917
150mm CT-PIR	<b>0.023</b>	0.916	<b>0.023</b>	0.916	<b>0.023</b>	0.916

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  $\psi$ -value and f-value.

### On-site Checklist

- Frame overlap at least 30mm
- Cavity closed with insulation with  $\psi$  0.026

**Site manager/supervisor**.....

**Site name**.....

**Plot number**.....

**Date**.....