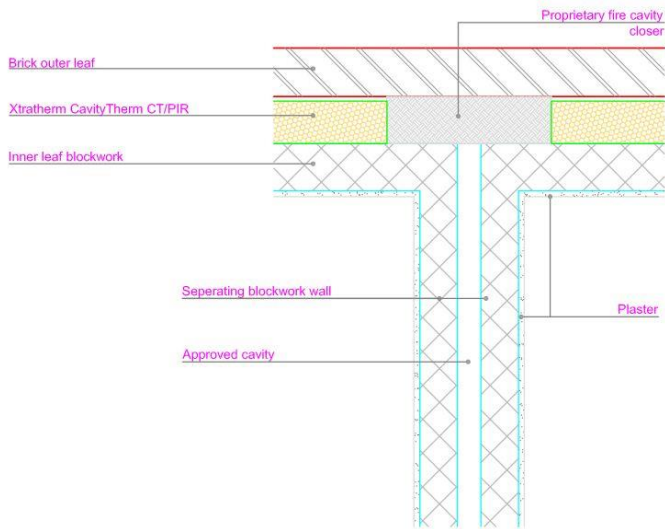
	<b>Linear Thermal Transmittance (<math>\psi</math>-value) PSI Value</b> <b>Temperature Factor (f-value)</b>	<b>Technical Services</b> <b>from Xtratherm</b>
---	--	--

<b>Certificate No: CBA-XT-CT-018</b>	<b>Issued : August 2014</b>
<b>Issued by Concrete Block Association</b>	

<b>Masonry separating wall – External wall</b>  Table K.1 Ref E18 Approved $\psi$ -value = 0.03 W/mK	Inner leaf	100 mm Blockwork
	Cavity	CavityTherm by Xtratherm, thickness as in tables
	Outer leaf	102 mm Brick = 0.77
	Separating wall	Two leaves of lightweight blockwork with fully filled cavity

<p><b>Key Points</b></p> <ol style="list-style-type: none"> <li><b>1. Use proprietary cavity closers/fire barriers in accordance with manufacturer's instructions</b></li> <li><b>2. Separating wall cavity filled with insulation</b></li> </ol>	
---	---

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 separating wall / external wall junction, and **cavity Insulation** as highlighted (*separating wall insulated*)

**Lightweight separating wall block**

	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>0.046</b>	0.947	<b>0.047</b>	0.948	<b>0.048</b>	0.951
125mm CT-PIR	<b>0.039</b>	0.956	<b>0.040</b>	0.957	<b>0.043</b>	0.965
150mm CT-PIR	<b>0.034</b>	0.962	<b>0.035</b>	0.963	<b>0.037</b>	0.970

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

*\* Half the  $\psi$ -value shown should be applied to each dwelling*

**On-site Checklist**

- Separating wall cavity filled with insulation
- Proprietary cavity closers/fire barriers installed

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

**Site name.....**

**Plot number.....**

**Date.....**