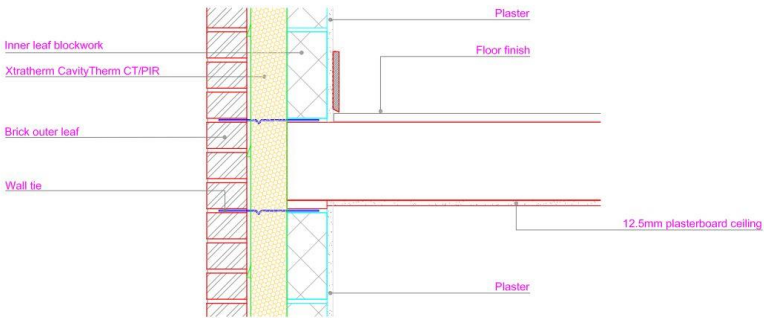
	Linear Thermal Transmittance (ψ-value) PSI Value Temperature Factor (f-value)	Technical Services from Xtratherm
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Certificate No: CBA-XT-CT-007	Issued : August 2014
Issued by Concrete Block Association	

Concrete intermediate floor between dwellings - External wall Table K.1 Ref E7 Approved ψ -value = 0.07 W/mK	Inner leaf	100 mm Blockwork
	Cavity	CavityTherm by Xtratherm, see table for options
	Outer leaf	102 mm Brick = 0.77
	Separating floor	Precast concrete floor

<p>Key Points</p> <p>1. Ensure continuity of the insulation over floor abutment zone</p>	
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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 ψ -values and f-values for intermediate precast concrete floors, 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
100mm CT-PIR	0.049	0.973	0.050	0.972	0.052	0.968
125mm CT-PIR	0.040	0.978	0.041	0.977	0.042	0.974
150mm CT-PIR	0.034	0.981	0.034	0.980	0.035	0.978

** Half the ψ -value shown should be applied to each dwelling*

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

On-site Checklist

- Wall Insulation continuous over floor zone



Site manager/supervisor.....

Site name.....

Plot number.....

Date.....