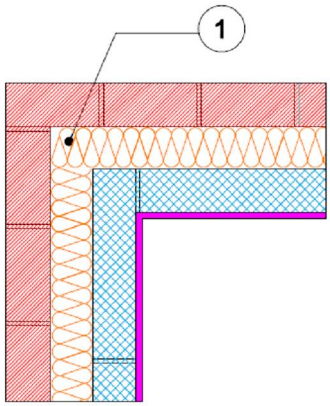
CONCRETE BLOCK ASSOCIATION	**Linear Thermal Transmittance (ψ-value)** **Temperature Factor (f-value)**	GCU Glasgow Caledonian University

Certificate No: CBA-316	**Issued : August 2014**
Issued by Concrete Block Association	

Normal corner Table K.1 Ref E16 Approved ɣ -value = 0.09 W/mK	Inner leaf	100 mm Blockwork
	Cavity	Full fill insulation, see table for options
	Outer leaf	102 mm Brick ə= 0.77

Key Points

1 **Ensure continuity of insulation at the corner.**



Calculations have been performed in accordance with:
BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

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Calculated ψ-values and f-values for normal corner detail, 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 ə=0.037	**0.059**	0.904	**0.068**	0.908	**0.074**	0.916
100mm ə=0.032	**0.054**	0.913	**0.062**	0.918	**0.067**	0.925
150mm ə=0.037	**0.051**	0.925	**0.057**	0.931	**0.061**	0.938
150mm ə=0.032	**0.046**	0.933	**0.051**	0.938	**0.054**	0.945

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

On-site Checklist

- Continuity of insulation at the corner ☐

Site manager/supervisor……..

Site name……..

Plot number……

Date……