



Technical competency: The Psi value (Ψ) analysis indicated below has been undertaken by a BRE accredited competent person to EN 10211 2017 and BR497 (Second Edition). Members of the Unilin Insulation Technical team are qualified under the BBA Competency Scheme CS/1006 to produce thermal and condensation risk calculations

Certificate No	Date
UI-CTPIR-E17-INT-CRN V1	03-Jan-23

Calculation prepared by
Unilin Insulation Technical Services

General Construction Specification (Wall)
Plasterboard on dabs
Air layer & plaster adhesive
Concrete block
Unilin Insulation CavityTherm CT/PIR
Residual cavity (5mm)
Brick

General Construction Specification
Preformed corner boards available
Unilin Insulation CavityTherm CT/INTCRN

Table K1 reference
E17

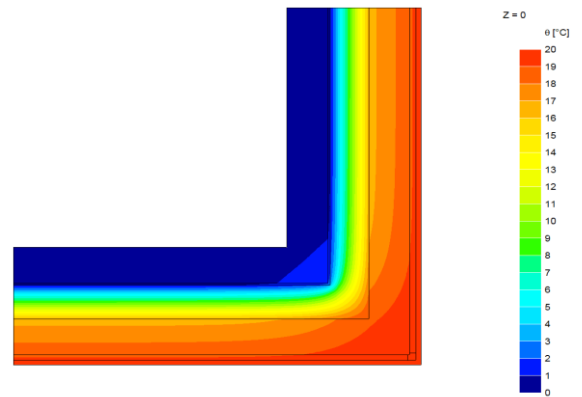
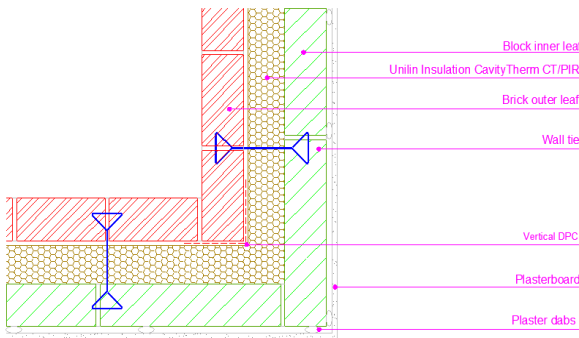
Description
Internal corner

U value range (Wall)
0.12 W/m ² K - 0.21 W/m ² K

U value range
N/A

Junction detail

Thermal image



Notes

The U values indicated on this certificate are the actual U values for the proposed construction. The Psi values are calculated using the modelled U value in accordance with the guidelines set out in BR497 and ISO 10211. Contact Unilin Insulation technical support for further guidance

Ψ and f are only valid for the detail drawn and described above

Calculations have been carried out in accordance with the following standards and guidance documents were relevant

- EN ISO 10211 2017
- EN ISO 13370 2017
- EN ISO 6946 2017
- BR 497 (Second Edition)
- BR 443 2019
- BRE IP1/06

Unilin Insulation UK Ltd

Park Road
Holmewood
Chesterfield
Derbyshire
S42 5UY

t. 0371 2221055
f. 0371 2221044
e. info.ui@unilin.com
www.unilininsulation.co.uk

Disclaimer: The calculations have been completed in accordance with guidance documents as indicated above by Unilin Insulation. Any change to the materials specified would alter the results achieved and would invalidate the information contained herein. Specification and results should be verified before installation. To this extent the information and/or specification is to the best of our knowledge accurate, however Unilin Insulation specifically exclude any liability for errors, omissions or otherwise arising therefrom.



CavityTherm	100mm		110mm		125mm		150mm	
	ψ	f	ψ	f	ψ	f	ψ	f
Inner block								
0.11	-0.068	0.98	-0.065	0.98	-0.062	0.98	-0.057	0.98
0.15	-0.070	0.98	-0.067	0.98	-0.063	0.98	-0.058	0.98
0.19	-0.071	0.98	-0.068	0.98	-0.064	0.98	-0.059	0.98
0.31	-0.073	0.98	-0.070	0.98	-0.065	0.98	-0.060	0.98
0.57	-0.075	0.98	-0.071	0.98	-0.067	0.98	-0.061	0.98
1.13	-0.076	0.98	-0.072	0.98	-0.067	0.98	-0.062	0.98

- ψ Thermal transmittance value (W/m K)
- f Temperature factor

Unilin Insulation UK Ltd

Park Road
Holmewood
Chesterfield
Derbyshire
S42 5UY

t. 0371 2221055
f. 0371 2221044
e. info.ui@unilin.com
www.unilininsulation.co.uk

Disclaimer: The calculations have been completed in accordance with guidance documents as indicated above by Unilin Insulation. Any change to the materials specified would alter the results achieved and would invalidate the information contained herein. Specification and results should be verified before installation. To this extent the information and/or specification is to the best of our knowledge accurate, however Unilin Insulation specifically exclude any liability for errors, omissions or otherwise arising therefrom.