

(1) WALLS:- INSULATION IN CAVITY

Ope- Prestressed concrete lintel
(Dense blockwork)

UI - CTPIR - 1.23.2 - Rev 3 - Lintel

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

ENSURE CAVITYTHERM
CT/PIR IS SECURED FIRMLY
AGAINST INNER LEAF OF
CAVITY WALL ☐

INSTALL PROPRIETARY CAVITY
CLOSER WITH A MINIMUM
R VALUE OF 4.29 m² KW -
UNILIN INSULATION CAVITY
CLOSE-R MEETS OR EXCEEDS
THE MINIMUM REQUIREMENT ☐

ENSURE ALL GAPS AROUND
AND BETWEEN LINTEL ARE
TIGHTLY PACKED WITH
INSULATION ☐



Block inner leaf

Unilin Insulation CavityTherm CT/PIR

Block outer leaf

DPC

Concrete Lintel

Unilin Insulation Cavity Close-R

Wall tie

Drawings are for illustration purpose only - not to scale
Details are based on the acceptable construction details
Refer to S.R. 325 for further guidance on detailing

AIR BARRIER - CONTINUITY

CHECKLIST
(TICK ALL)

☐ SEAL ALL PENETRATIONS
THROUGH AIR BARRIER USING
A FLEXIBLE SEALANT

☐ IF FORMING THE AIR BARRIER
TO THE WALLS WITH A
BLOCKWORK INNER LEAF OR A
SCRATCH COAT ON BLOCKS,
INSTALL A FLEXIBLE SEALANT
BETWEEN CAVITY CLOSER
AND BLOCKWORK WALL

☐ APPLY FLEXIBLE SEALANT TO
ALL INTERFACES BETWEEN
INTERNAL AIR BARRIER AND
WINDOW/DOOR FRAME
MEMBERS

☐ SEE ACD 1.23.2 FOR AIR
BARRIER OPTIONS

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GENERAL NOTES

Keep cavities clean of mortar snots and other debris during construction



CavityTherm CT/PIR mm	110	125	150
Psi Value ψ (W/mK)	0.002	0.001	0.001
Temperature Factor (<i>f</i>)	0.98	0.98	0.98
U-Value Wall (W/m ² K)	0.18	0.16	0.13

CERT No: IAB/TM/01
Thermal Modelers Scheme

To be read in conjunction with the Acceptable Construction Details
Any changes to the above construction may change the calculated values
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

Email: tech.ui@unilin.com
Phone No: 046 9066050