

(1) WALLS:- INSULATION IN CAVITY

Concrete Intermediate Floor between
dwellings

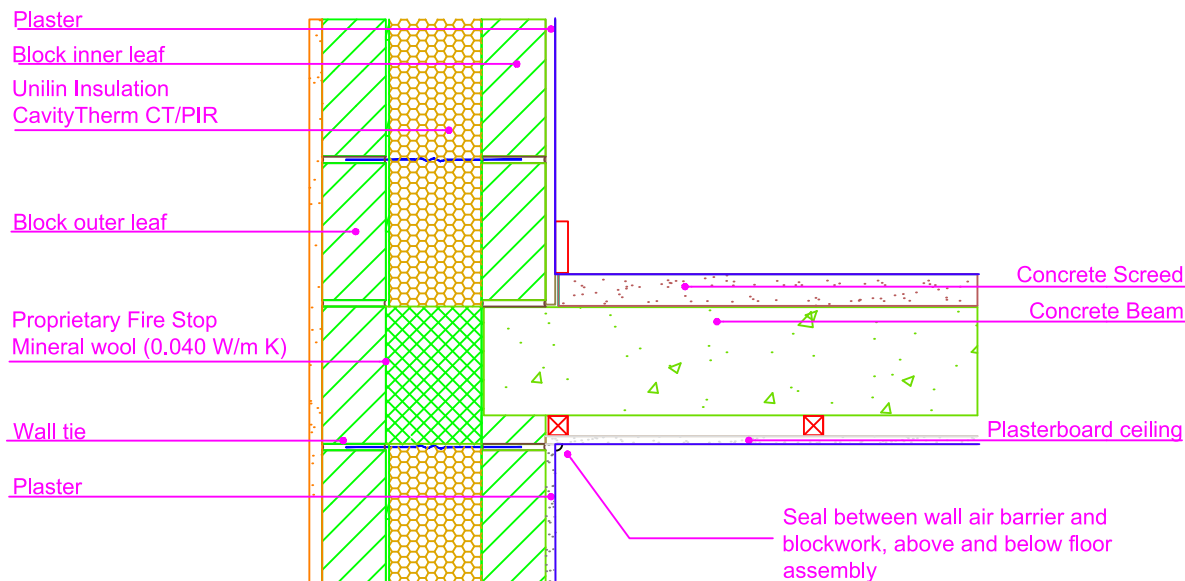
UI - CTPIR - 1.04a - Rev 3 - Inter-Floor

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

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

ENSURE SUITABLE FIRE
BARRIER IS INSTALLED AT
INTERMEDIATE FLOOR
ABUTMENT ZONE (MINIMUM
215MM X 150MM WITH A
THERMAL CONDUCTIVITY OF
0.040 W/m k) ☐



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 GAP BETWEEN
SKIRTING BOARD AND FLOOR
WITH A FLEXIBLE SEALANT

☐ SEAL BETWEEN THE WALL
AIR BARRIER AND THE TOP
AND UNDERSIDE OF THE
FLOOR SLAB.

☐ ENSURE CONTINUOUS
MORTAR BED
BETWEEN FLOOR SLAB AND
TOP OF
BLOCK WORK WALL

☐ SEAL ALL PENETRATIONS
THROUGH AIR
BARRIER USING FLEXIBLE
SEALANT

☐ SEE ACD 1.04A FOR AIR
BARRIER OPTIONS

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GENERAL NOTES

Keep cavities clean of mortar snots and other debris during construction

Detail applicable:- Concrete Intermediate Floor.

See TGD-B for guidance on fire safety.and TGD E for guidance on sound insulation



CERT No: IAB/TM/01
Thermal Modelers Scheme

***Psi Value ψ (W/mK) applied to each dwelling**

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

CavityTherm CT/PIR mm	110	125	150
Psi Value ψ (W/mK)	0.043*	0.038*	0.032*
Temperature Factor (<i>f</i>)	0.97	0.97	0.98
U-Value Wall (W/m ² K)	0.18	0.16	0.13

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