(1) WALLS:- INSULATION IN CAVITY

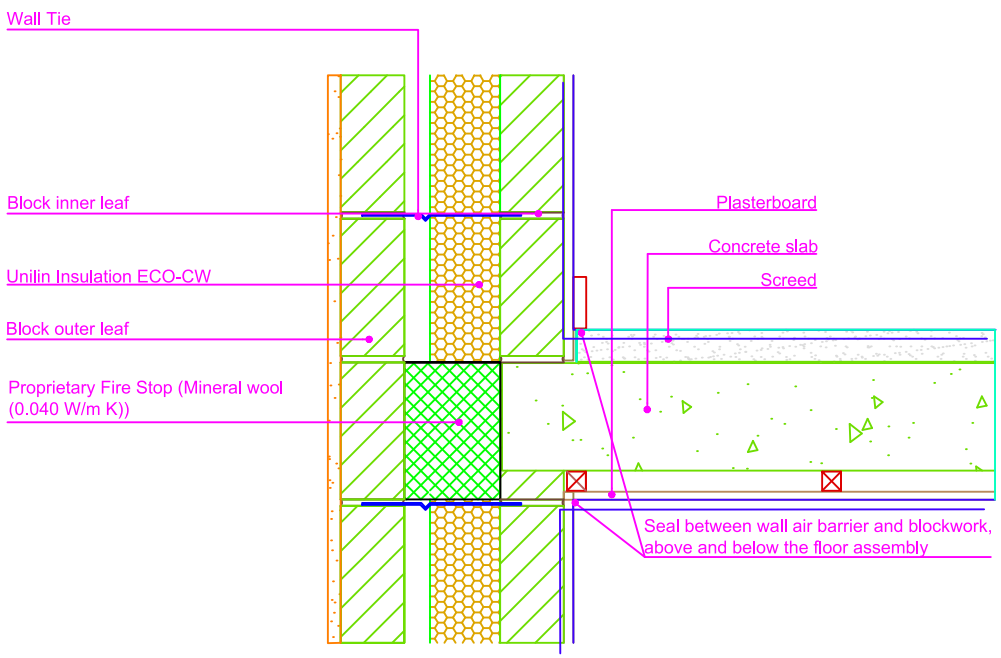
Concrete Intermediate Floor between dwellings

UI - ECO-CW - 1.04a - Rev 1 - Inter-Floor

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

- ☐ ENSURE ECO-CW 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

ECO-CW mm	100mm	110mm
Psi Value ψ (W/mK)	**0.036***	**0.033***
Temperature Factor (f)	0.97	0.98
U-Value Wall (W/m²K)	0.16	0.15

NSAI

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

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