(1) WALLS:- INSULATION IN CAVITY

Timber Intermediate Floor between dwellings (Dense blockwork)

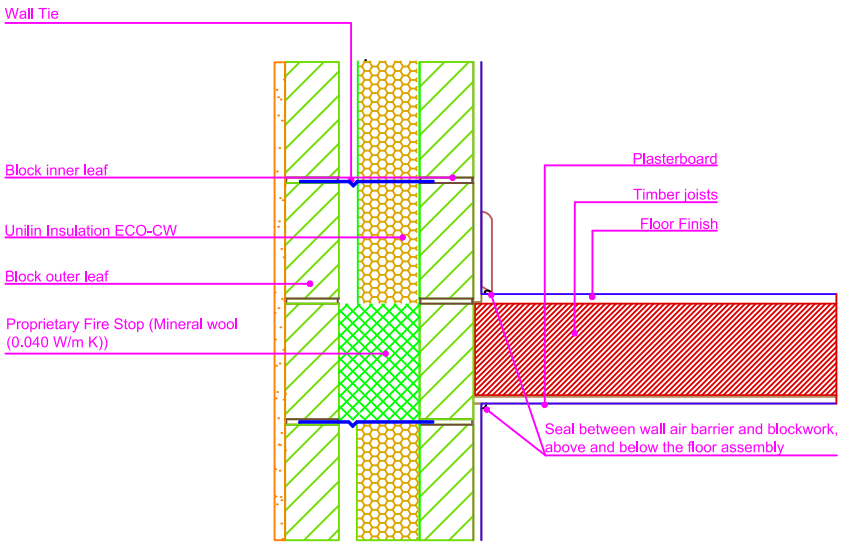
UI - ECO-CW - 1.05a - Rev 1 - Inter Floor

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)

☐ MORTAR JOINTS AROUND BUILT IN JOISTS SHOULD BE RECESSED OR STRUCK AND CAREFULLY POINTED WITH FLEXIBLE SEALANT. ALTERNATIVELY JOISTS MAY BE FITTED WITH PROPRIETARY SHOES AS THEY ARE INSTALLED. SEAL SHOE TO BLOCKWORK FACE WITH FLEXIBLE SEALANT

☐ SEAL BETWEEN WALL AIR BARRIER AND BLOCKWORK, ABOVE AND BELOW THE FLOOR ASSEMBLY

☐ SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING A FLEXIBLE SEALANT

☐ SEE ACD 1.05A FOR AIR BARRIER OPTIONS

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GENERAL NOTES

Keep cavities clean of mortar snots and other debris during construction
Suspended timber floors may be laid in joist hangers rather than built in
Where wall supports joists, thermal performance and airtightness of junction can be improved significantly by using joist hangers with shoes standing off the wall face.
For timber engineered joists, proprietary filler pieces must be fitted on both sides of the web between top and bottom flanges (See manufacturer's details).

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)	**0.032***	**0.030***
Temperature Factor (f)	0.97	0.98
U-Value Wall (W/m²K)	0.16	0.15

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

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