(1) WALLS:- INSULATION IN CAVITY | Flat Roof - Eaves | UI - ECO-CW - 1.19 - Rev 1 - Flat Roof

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

- ☐ ENSURE ECO-CW IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL
- ☐ ENSURE FULL DEPTH OF FR/ALU OVER JOISTS EXTENDS TO ROOF EDGE
- ☐ FIT MINERAL WOOL OVER WALL TOP WITHIN GABLE LADDER. FULLY FILL VOID,WITH A MINIMUM R VALUE OF 5.00 M^2 K/W ENSURING THAT INSULATION IS INSTALLED TIGHTLY BETWEEN JOISTS AND IS IN CONTACT WITH ROOF DECK
- ☐ ENSURE WALL TOP IS LEVEL AND THAT ECO-CW IS TAKEN UP LEVEL WITH WALL TOP

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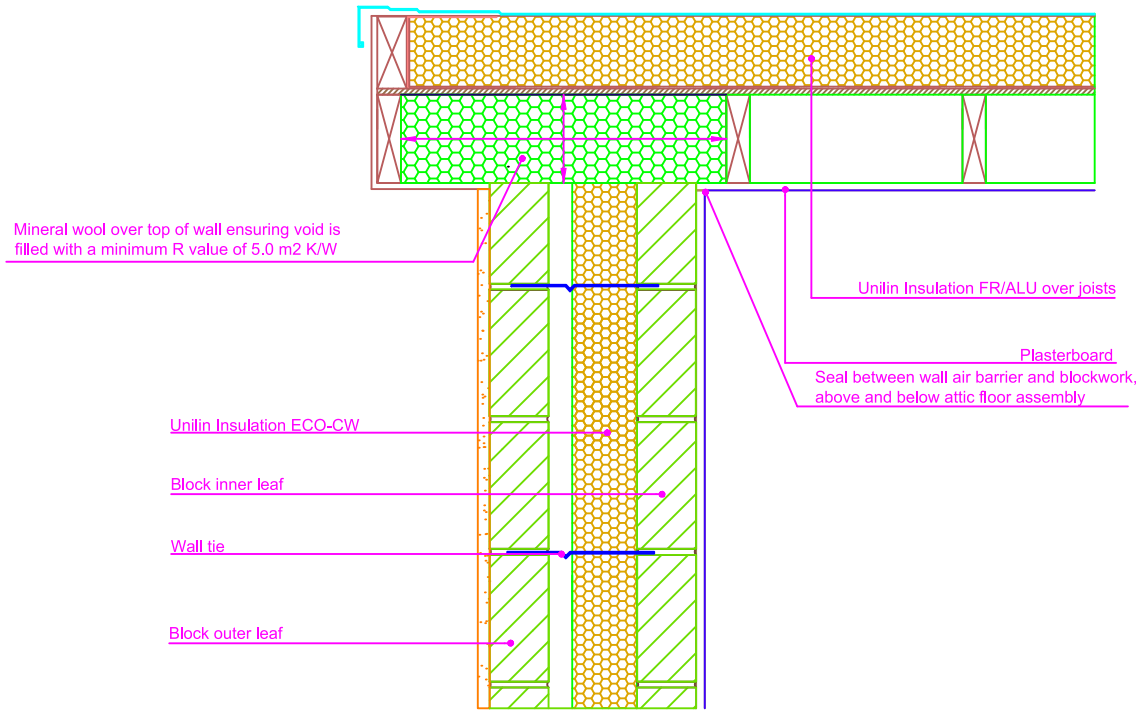

Drawings are for illustration purpose only - not to scale
Details are based on the acceptable construction details
Refer to S.R. 325 for further guidance on detailing

AIR BARRIER - CONTINUITY

CHECKLIST
(TICK ALL)

- ☐ SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING A FLEXIBLE SEALANT
- ☐ FIX CEILING FIRST, AND SEAL ALL GAPS BETWEEN CEILING AND MASONRY WALL WITH EITHER PLASTER, ADHESIVE OR FLEXIBLE SEALANT

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GENERAL NOTES

Keep cavities clean of mortar snots and other debris during construction
BS5250 requires vapour control layer to be installed between deck and insulation.
Turn up vapour control layer at edge of roof insulation, lap with roof waterproofing layer, and seal.
Ensure cavity is closed with Suitable Fire-Barrier

NSAI
CERT No: IAB/TM/01
Thermal Modelers Scheme

ECO-CW mm	100mm	110mm
Psi Value ψ (W/mK)	**0.040**	**0.040**
Temperature Factor (f)	0.97	0.97
U-Value Wall (W/m²K)	0.16	0.15
U-Value Roof (W/m²K)	0.15 - 0.20	

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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