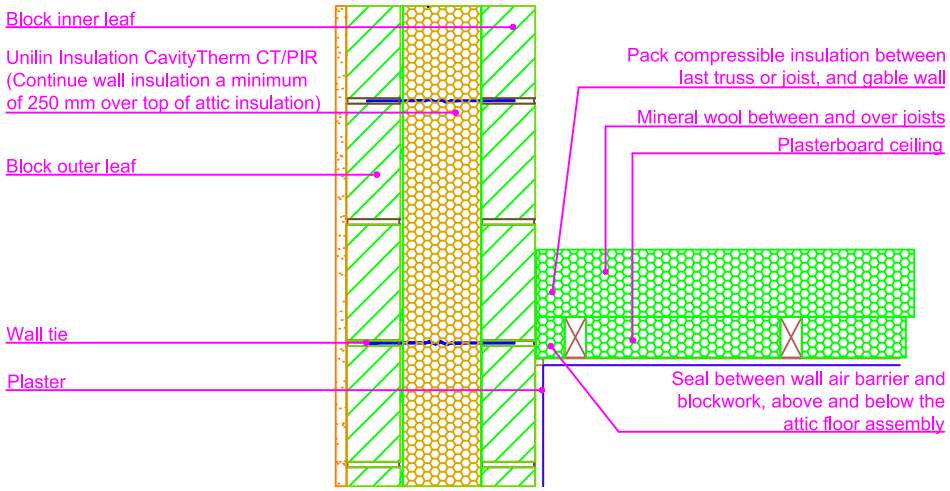
(1) WALLS:- INSULATION IN CAVITY | Ventilated Roof - Attic Floor Level | UI - CTPIR - 1.15 - Rev 3 - Inter Floor

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

- ☐ ENSURE CAVITYTHERM CT/PIR IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL
- ☐ CONTINUE CAVITYTHERM CT/PIR INSULATION A MINIMUM OF 250 MM OVER TOP OF ATTIC INSULATION.
- ☐ ENSURE FULL DEPTH OF MINERAL WOOL BETWEEN AND OVER JOISTS EXTENDS TO INNER EDGE OF WALL
- ☐ PACK COMPRESSIBLE INSULATION BETWEEN LAST TRUSS OR JOIST, AND GABLE WALL

UNILIN



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

Thermal performance of junction can be improved significantly by using blockwork with a thermal conductivity of ≤.20 W/mK in direction of heat flow in external wall at attic floor level or alternatively by running Unilin insulation R-value 1.5 m²K/W vertically up internal face of gable wall to a height of 450mm above ceiling level

CavityTherm CT/PIR mm	110	125	150
Psi Value ψ (W/mK)	**0.211**	**0.213**	**0.213**
Temperature Factor (f)	0.84	0.84	0.84
U-Value Wall (W/m²K)	0.18	0.16	0.13
U-Value Roof (W/m²K)	0.11 - 0.16		

NSAI
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

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