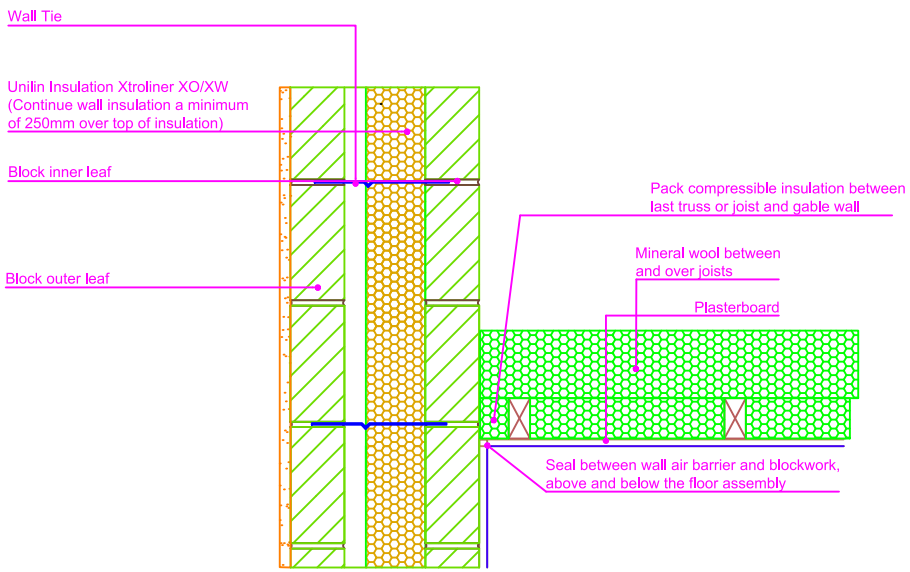
(1) WALLS:- INSULATION IN CAVITY | Ventilated Roof - Attic Floor Level | UI - XW - 1.15 - Rev 3 - Gable

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

- ☐ ENSURE XTROWALL XO/XW IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL
- ☐ CONTINUE XTROWALL XO/XW 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



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

Copyright © 2026, Unilin Insulation,
All rights reserved

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 XtroWall XO/XW insulation vertically up internal face of gable wall to a height of 450 mm above ceiling level.

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

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

XtroWall XO/XW	90mm	100mm
Psi Value ψ (W/mK)	**0.216**	**0.216**
Temperature Factor (f)	0.84	0.84
U-Value Wall (W/m²K)	0.18	0.17
U-Value Ceiling (W/m²K)	0.11 - 0.16	

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