

**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



**AIR BARRIER - CONTINUITY**

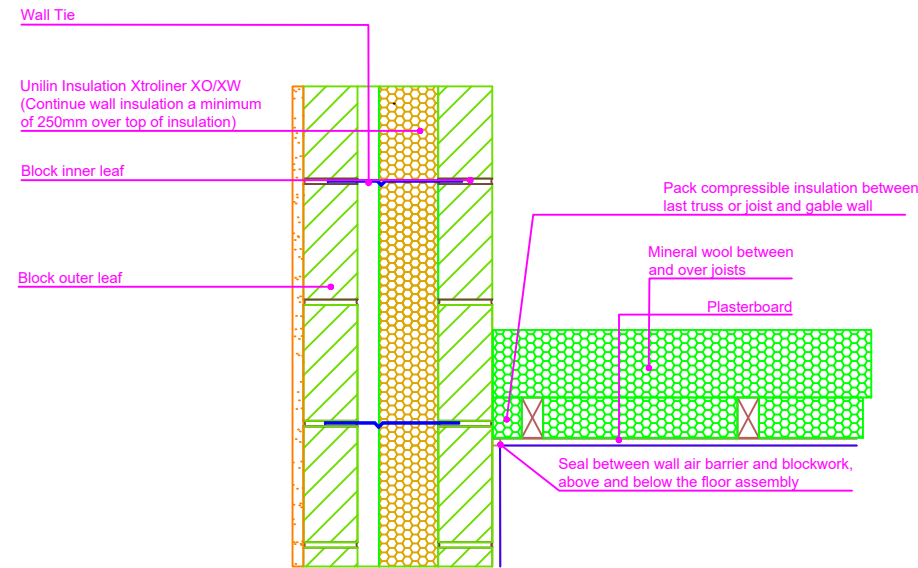
CHECKLIST  
(TICK ALL)

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

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

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**GENERAL NOTES**

Keep cavities clean of mortar spots and other debris during construction

Thermal performance of junction can be improved significantly by using blockwork with a thermal conductivity of  $\leq 0.20$  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: [info.ui@unilin.com](mailto:info.ui@unilin.com)  
Phone No: 046 9066050



CERT No: IAB/TM/01

Thermal Modelers Scheme

|   |              |              |
|---|--------------|--------------|
| XtroWall XO/XW                            | 90mm         | 100mm        |
| <b>Psi Value <math>\psi</math> (W/mK)</b> | <b>0.216</b> | <b>0.216</b> |
| Temperature Factor ( <i>f</i> )           | 0.84         | 0.84         |
| U-Value Wall (W/m <sup>2</sup> K)         | 0.18         | 0.17         |
| U-Value Ceiling (W/m <sup>2</sup> K)      | 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*