

**THERMAL PERFORMANCE**

CHECKLIST  
(TICK ALL)

ENSURE XTROWALL XO/XW 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<sup>2</sup> K/W ENSURING THAT INSULATION IS INSTALLED TIGHTLY BETWEEN JOISTS AND IS IN CONTACT WITH ROOF DECK

ENSURE WALL TOP IS LEVEL AND THAT XTROWALL XO/XW IS TAKEN UP LEVEL WITH WALL TOP

ENSURE THE XTROWALL XO/XW IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL

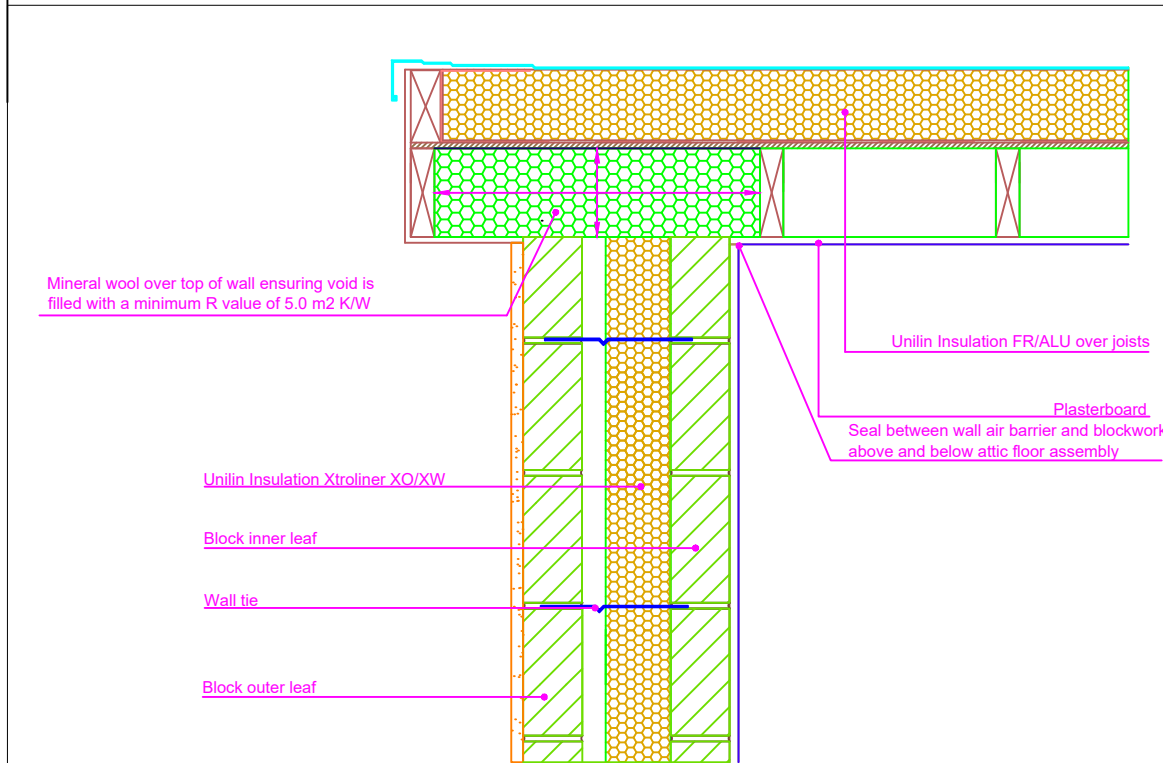


**AIR BARRIER - CONTINUITY**

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 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



CERT No: IAB/TM/01  
Thermal Modelers Scheme

XtroWall XO/XW	90mm	100mm
<b>Psi Value <math>\psi</math> (W/mK)</b>	<b>0.041</b>	<b>0.038</b>
Temperature Factor ( <i>f</i> )	0.96	0.97
U-Value Wall (W/m <sup>2</sup> K)	0.18	0.17
U-Value Roof (W/m <sup>2</sup> K)	0.15 - 0.20	

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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