(1) WALLS:- INSULATION IN CAVITY

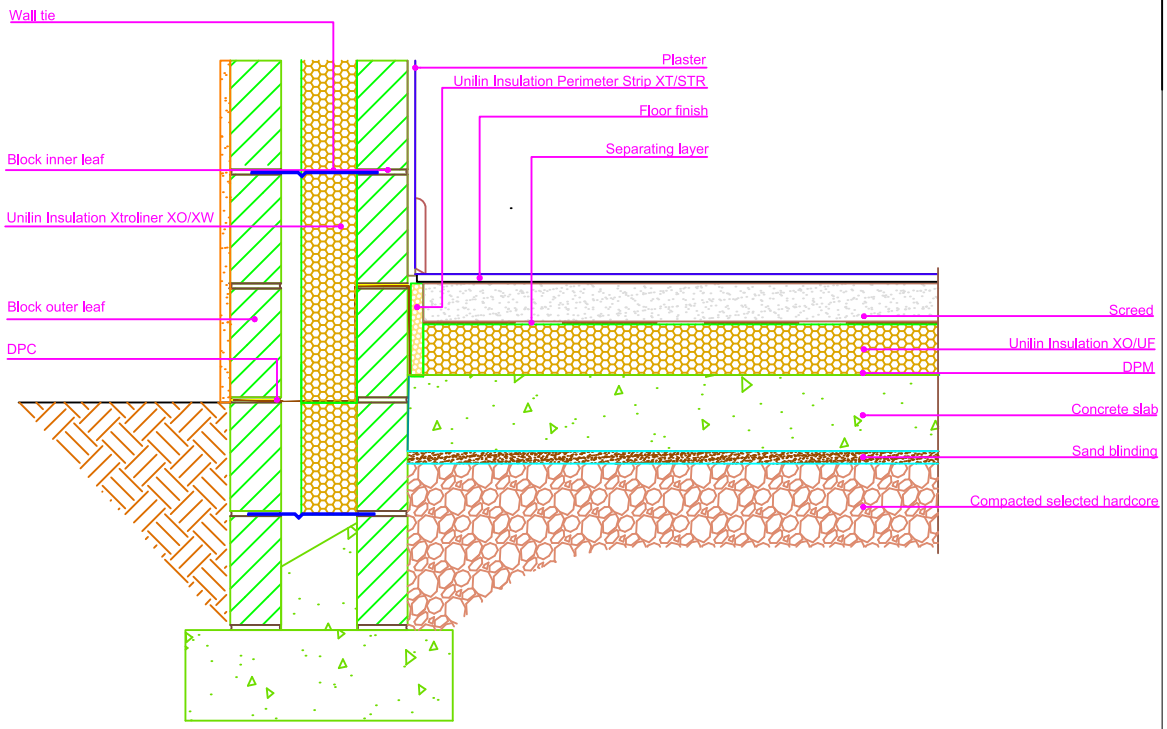
Ground Floor - Insulation above slab (Dense blockwork)

UI - XW - 1.01a - Rev 3 - Wall - floor

THERMAL PERFORMANCE

CHECKLIST
(TICK ALL)

- ☐ ENSURE XTROWALL XO/XW IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL
- ☐ XO/UF FLOOR INSULATION TO TIGHTLY ABUT XT/STR (PERIMETER STRIP)
- ☐ ENSURE XTROWALL XO/XW IS INSTALLED AT 225mm BELOW TOP OF XO/UF
- ☐ ENSURE 25MM XT/STR WITH A MINIMUM R VALUE OF 1.13 m2 K/W (PERIMETER STRIP) TIGHTLY ABUTS BLOCKWORK 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 BETWEEN WALL AND FLOOR AIR BARRIER WITH A FLEXIBLE SEALANT
  OR
  SEAL GAP BETWEEN SKIRTING BOARD AND FLOOR WITH FLEXIBLE SEALENT
- ☐ SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING A FLEXIBLE SEALANT
- ☐ SEE ACD 1.01a FOR AIR BARRIER OPTIONS

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GENERAL NOTES

Detail applicable:- Ground-bearing floor, raft foundation, in-situ suspended ground floor slab, pre-cast suspended ground floor. XO/UF above slab with timber floor finish

The wall floor junction is calculated in accordance with the guidance in BR 497 Second Edition section 2.2.2 and 4.7

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)	**0.167**	**0.166**
Temperature Factor (f)	0.81	0.82
U-Value Wall (W/m²K)	0.18	0.17
U-Value Floor (W/m²K)	0.11 - 0.17	

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