

THERMAL PERFORMANCE

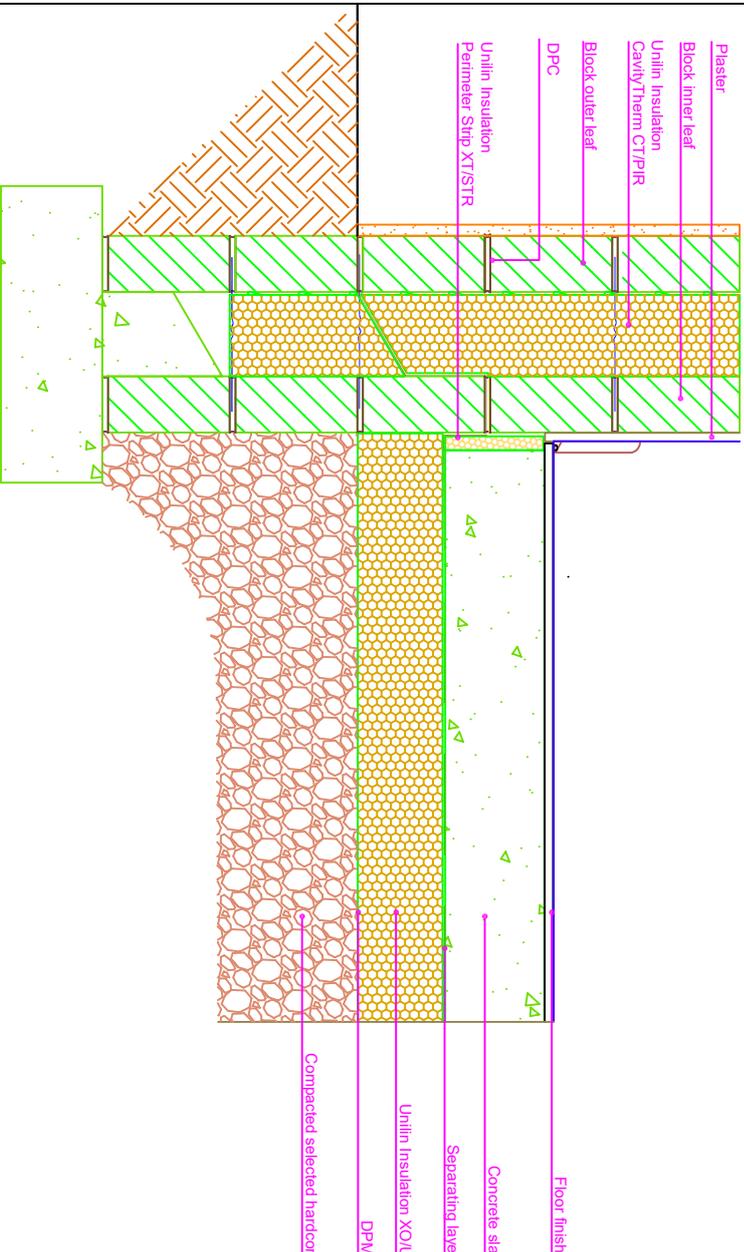
CHECKLIST
(TICK ALL)



AIR BARRIER - CONTINUITY

CHECKLIST
(TICK ALL)

- ENSURE CAVITYTHERM CT/PIR IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL
- XO/UF FLOOR INSULATION TO TIGHTLY ABUT XT/STR (PERIMETER STRIP)
- ENSURE CAVITYTHERM CT/PIR IS INSTALLED AT LEAST 225mm BELOW TOP OF XO/UF
- ENSURE 25MM XT/STR WITH A MINIMUM R VALUE OF 1.13 m2 KW (PERIMETER STRIP) TIGHTLY ABUTS BLOCKWORK WALL



- SEAL BETWEEN WALL AND FLOOR AIR BARRIER WITH A FLEXIBLE SEALANT
- OR
- SEAL GAP BETWEEN SKIRTING BOARD AND FLOOR WITH FLEXIBLE SEALANT
- SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING A FLEXIBLE SEALANT
- SEE ACD 1.02a FOR AIR BARRIER OPTIONS

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
Detail applicable:- Ground-bearing floor, raft foundation, in-situ suspended ground floor slab, pre-cast suspended ground floor. XO/UF below slab
The wall floor junction is calculated in accordance with the guidance in BR 497 Second Edition section 2.2.2 and 4.7



NSAI

CERT No: IAB/TM/01

Thermal Modelers Scheme

CavityTherm CT/PIR mm	110	125	150
Psi Value ψ (W/m²K)	0.177	0.175	0.173
Temperature Factor (f)	0.83	0.84	0.85
U-Value Wall (W/m ² K)	0.18	0.16	0.13
U-Value Floor (W/m ² K)	0.11 - 0.17		