
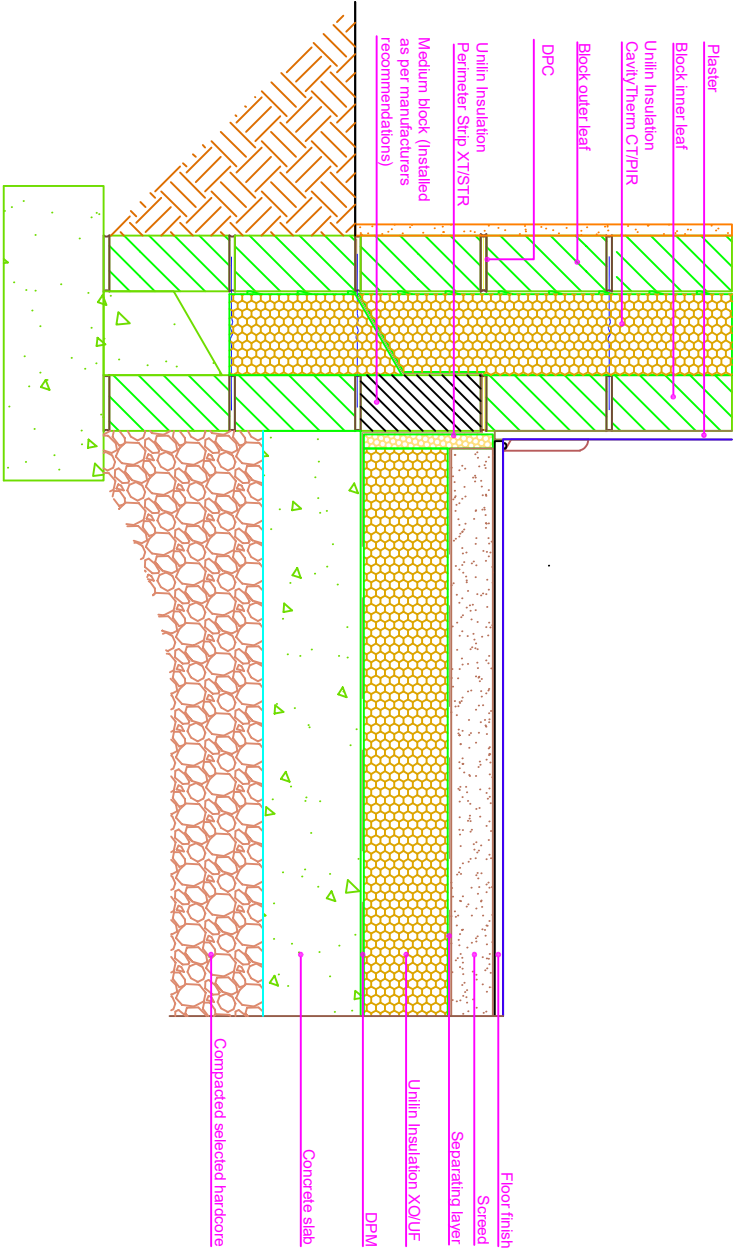



<div>THERMAL PERFORMANCE</div> <div>CHECKLIST (TICK ALL)</div> <div>ENSURE CAVITYTHERM CT/PIR IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL</div> <div>XO/UF FLOOR INSULATION TO TIGHTLY ABUT XT/STR (PERIMETER STRIP)</div> <div>ENSURE CAVITYTHERM CT/PIR IS INSTALLED AT LEAST 225mm BELOW TOP OF XO/UF</div> <div>ENSURE 25MM XT/STR WITH A MINIMUM R VALUE OF 1.13 m2 KW / (PERIMETER STRIP) TIGHTLY ABUTS BLOCKWORK WALL</div> <div>ENSURE BLOCK WITH MAXIMUM THERMAL CONDUCTIVITY OF 0.34 W/mk IN THE DIRECTION OF HEAT FLOW ARE USED. ENSURE THE BLOCK IS SUITABLE FOR USE IN FOUNDATIONS IN ALL CONDITIONS. ENSURE BLOCK ARE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS REGARDING POSITION OF DPC ETC. TO AVOID ANY EFFECT OF MOISTURE ON THERMAL CONDUCTIVITY OF THE BLOCK</div>		<div></div>		<div>AIR BARRIER - CONTINUITY</div> <div>CHECKLIST (TICK ALL)</div> <div>SEAL BETWEEN WALL AND FLOOR AIR BARRIER WITH A FLEXIBLE SEALANT</div> <div>OR</div> <div>SEAL GAP BETWEEN SKIRTING BOARD AND FLOOR WITH FLEXIBLE SEALANT</div> <div>SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING A FLEXIBLE SEALANT</div> <div>SEE ACD 1.01b FOR AIR BARRIER OPTIONS</div>																					
<div>Drawings are for illustration purpose only - not to scale</div> <div>Details are based on the acceptable construction details</div> <div>Refer to S.R. 325 for further guidance on detailing</div>		<div></div>																							
<div>GENERAL NOTES</div> <div>Keep cavities clean of mortar snots and other debris during construction</div> <div>Detail applicable:- Ground-bearing floor, raft foundation, in-situ suspended ground floor slab, pre-cast suspended ground floor. XO/UF above slab with screed floor finish</div> <div>Where blocks with a maximum Thermal Conductivity of 0.34 W/mk are being used consideration should be give to avoid cracking in plaster due to drying of mortar</div> <div>The wall floor junction is calculated in accordance with the guidance in BR 497 Second Edition section 2.2.2 and 4.7</div>		<div></div> <div>CERT No: IAB/TM/01</div> <div>Thermal Modelers Scheme</div> <table><tr><td>CavityTherm CT/PIR mm</td><td>110</td><td>125</td><td>150</td></tr><tr><td><b>Psi Value <math>\psi</math> (W/mk)</b></td><td><b>0.093</b></td><td><b>0.092</b></td><td><b>0.091</b></td></tr><tr><td>Temperature Factor (<i>f</i>)</td><td>0.88</td><td>0.88</td><td>0.89</td></tr><tr><td>U-Value Wall (W/m²K)</td><td>0.18</td><td>0.16</td><td>0.13</td></tr><tr><td>U-Value Floor (W/m²K)</td><td colspan="3">0.11 - 0.17</td></tr></table>		CavityTherm CT/PIR mm	110	125	150	<b>Psi Value <math>\psi</math> (W/mk)</b>	<b>0.093</b>	<b>0.092</b>	<b>0.091</b>	Temperature Factor ( <i>f</i> )	0.88	0.88	0.89	U-Value Wall (W/m²K)	0.18	0.16	0.13	U-Value Floor (W/m²K)	0.11 - 0.17				
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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

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