Continue cavity wall insulation across floor abutment zone.

Partial fill insulation to be secured firmly against the inner leaf of the cavity wall.

Partial fill Cavity Wall

U-Values vary, see appendix D of TGD part L 2011.

Roadstone Thermal Liteblock below concrete slab

Roadstone Thermal Liteblock above concrete slab

See TGD B for fire cavity barrier requirements. (Fire cavity barrier not included in Psi-value calculation)

All Blocks (Including Thermal Liteblocks) to be minimum 7.5N in accordance with TGD Part A 2012.

440 x 215 x 100 Roadstone Standard Blocks

440 x 215 x 100 Roadstone Thermal Liteblock

Roadstone Custom Psi values

<table>
<thead>
<tr>
<th>U Value</th>
<th>Part L</th>
<th>Roadstone TLB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psl (Ψ) value</td>
<td>Range (W/m²K)</td>
<td>(Ψ) Value</td>
</tr>
<tr>
<td>0.21</td>
<td>0.0000</td>
<td>-0.003</td>
</tr>
</tbody>
</table>

*Note: In the 0.21 U wall range the model surpasses the default Psi value and therefore a y-value of 0.08 can be assumed using this option without a y-value calculation, provided all other details in the building comply with the published ACDs and/or Roadstone modelled details.

There is no advantage of using Thermal Lite Blocks when the wall is in the 0.15 U wall range.

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