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

Partial fill insulation to be secured firmly against the innerleaf of the cavity wall

Continue cavity wall insulation across wall abutment zone

Line of Air Barrier; Refer to ACD's for the barrier checklist and ensure requirements are met

All options pass fRsi assessment, no surface condensation predicted

*Note:
In the 0.18 U_value 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.

The diagrams, drawings and details included in this brochure are for indicative purposes only. They do not constitute nor should they be relied upon as giving/providing any design detail. They focus on the issues of thermal performance only. Insulation thicknesses of the main building elements have not been provided, as these are dependent on the thermal properties of the materials chosen, as well as on the desired U value. These diagrams, drawings and details illustrate good practice for the design and construction of interfaces solely in connection with thermal performance. The product should be used with due regard to all other requirements imposed by the Building Regulations and advices should be sought from a design professional in connection with the use of this product where required.

Partial fill Cavity Wall
U-Values vary, see appendix D of TGD part L 2011.

Roadstone Custom Psi values

<table>
<thead>
<tr>
<th>U Value Range (W/m²K)</th>
<th>Part L (Ψ)</th>
<th>Roadstone TLB Psi (Ψ) Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.18</td>
<td>0.045</td>
<td>0.04</td>
</tr>
<tr>
<td>0.15</td>
<td>0.066</td>
<td>0.037</td>
</tr>
</tbody>
</table>

As modelled by NSAI registered Thermal Modellers:

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

Copyright © ROADSTONE This information is supplied in good faith and no liability can be accepted for any loss or damage resulting from use.