Standard Roadstone Blocks

Roadstone Thermal Liteblock at location of floor only
Install perimeter insulation with a min. R-value of 1.14 m²K/W

Floor insulation to tightly abut blockwork wall

440 x 215 x 100 Roadstone Thermal Liteblock
DPC
DPM / Radon Barrier

440 x 215 x 100 Roadstone Standard Blocks

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>0.21</td>
<td>0.201</td>
<td>0.083</td>
</tr>
<tr>
<td>0.15</td>
<td>0.240</td>
<td>0.121</td>
</tr>
</tbody>
</table>

As modelled by NSAI registered Thermal Modellers:

Andrew Dunne
Evolution Innovation Ltd.
Registration Number IAB/TM/07
NSAI Approved Thermal Modeller

Diarmuid Hynes
Evolution Innovation Ltd.
Registration Number IAB/TM/04
NSAI Approved Thermal Modeller

*Note:
Both the 0.21 U Value Range and the 0.15 U Value range models surpass the default Psi values 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.

Floor build-up:
Varies, to achieve U-values within 0.21 or 0.15 Ranges (refer to Appendix D of TGD part L)

Annex E of SR 21 Material

Foundations to Structural Engineers Details

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REVISION: B
DWG. NO.: DETAIL RS G.05.1
DATE: May 2019
SCALE: NTS
JUNCTION: BLOCK (215mm) PARTITION WALL (SOLID) THROUGH GROUND FLOOR

TO BE READ IN CONJUNCTION WITH Y-VALUE CALCULATION