Ensure wall insulation is installed at least 225mm below the top of floor insulation.

**DPM / Radon Barrier**

**FFL**

Cap rising wall with 2 courses (440 x 215 x 100mm) Roadstone Thermal Liteblock.

Annex E of SR21 Material

Roadstone Blockwork below Radon Barrier

DPC

440 x 215 x 100 Roadstone Standard Blocks

**U Value**

**Range** (W/m²K)

- Roadstone TLB
  - 0.108
  - 0.131
  - 0.159
  - 0.187
  - 0.210

*Note: In both the 0.21 U Value Range and 0.15 U Value range the models surpass the default Psi value and therefore a y-value of 0.0 can be assumed using this value. The modelled Psi values for each option are provided in Annex E of SR21 Material.*

All options pass RSI assessment, as modelled by NSAI registered Thermal Modellers:

- All options pass with 2 courses (440 x 215 x 100mm) Roadstone Thermal Liteblock.
- Cap rising wall with 2 courses (440 x 215 x 100mm) Roadstone Thermal Liteblock.
- Annex E of SR21 Material
- Roadstone Blockwork above Radon Barrier
- DPM / Radon Barrier
- 225mm min.

**From modelled Psi values:**

- 0.131
- 0.145

**U Value Range**

- 0.120
- 0.15
- 0.21

As modelled by NSAI registered Thermal Modellers:

- All options pass with 2 courses (440 x 215 x 100mm) Roadstone Thermal Liteblock.
- Cap rising wall with 2 courses (440 x 215 x 100mm) Roadstone Thermal Liteblock.
- Annex E of SR21 Material
- Roadstone Blockwork above Radon Barrier
- DPM / Radon Barrier
- 225mm min.

**Insulation Strip (0.038 W/mK)**

**Plastic/Thermally Broken Base Track**

**Roadstone Blockwork above DPC**

**Floor Insulation above Slab**

**JUNCTION:**

215mm SOLID MASONRY WALL/ EXTERNAL INSULATION

FLOOR INSULATION ABOVE SLAB

**DATE:**

May 2019

**DETAIL RS 2.01**

**DWG. NO.:**

C

**SCALE:**

NTS

**REVISION:**

C

**TO BE READ IN CONJUNCTION WITH Y-VALUE CALCULATION**

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