

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

Externally insulated Solid Masonry Wall
U-Value as per table below,
215mm Roadstone Standard Block
Variable Thickness External Insulation,

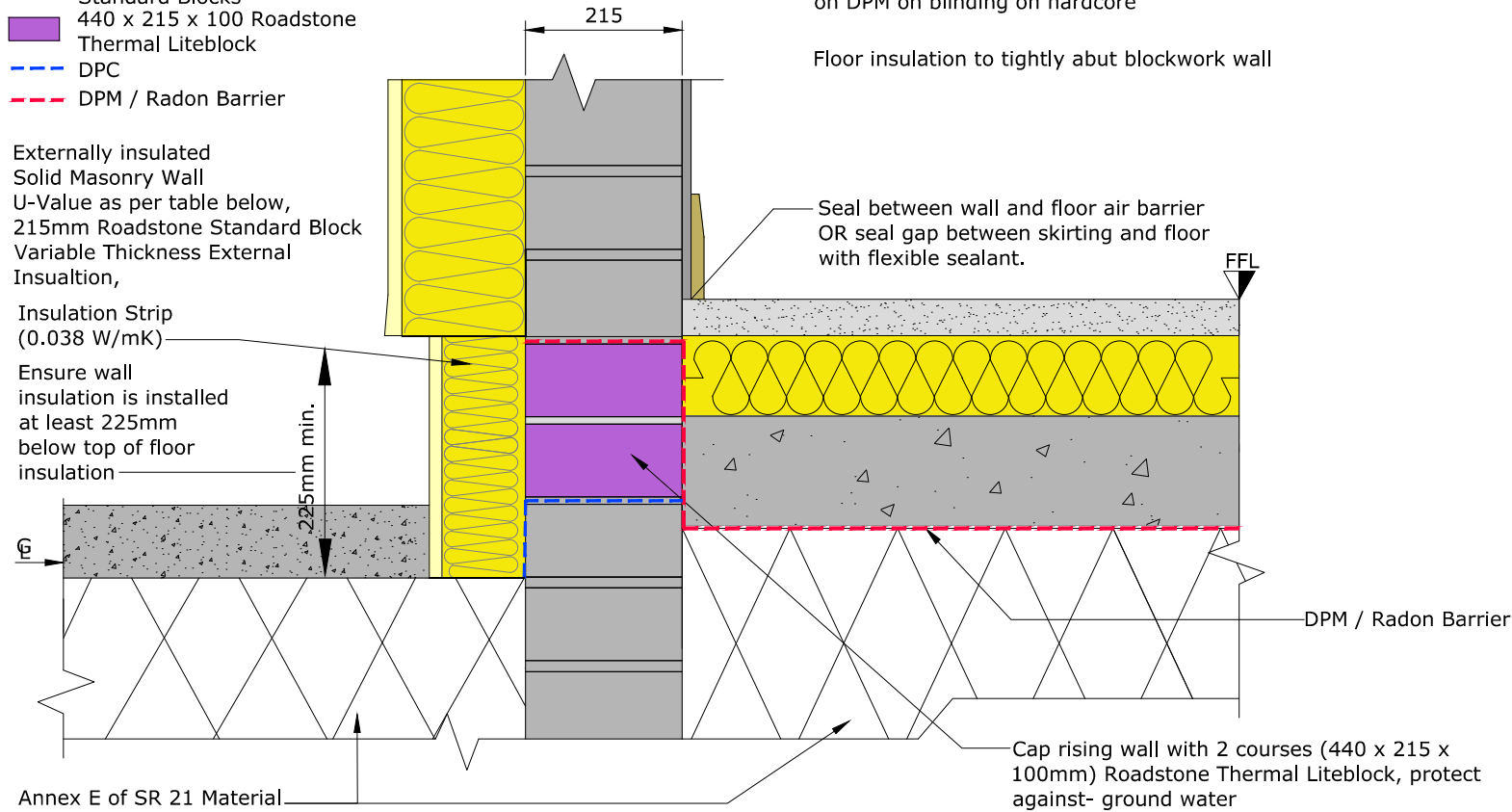
Insulation Strip
(0.038 W/mK)

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

Annex E of SR 21 Material

Floor U Value as per table
High Density Concrete on Insulation
on DPM on blinding on hardcore

Floor insulation to tightly abut blockwork wall



thermal Liteblock

Roadstone Custom Psi values

U Value Range (W/m ² K)	Part L (Ψ)	Roadstone TLB Psi (Ψ) Value
0.21	0.131	0.125
0.15	0.145	0.127

As modelled by NSAI registered Thermal Modellers:



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



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

All options pass fRsi assessment,
no surface condensation predicted

*Note:

In both the 0.21 U Value Range and 0.15 U Value range the models 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.

REVISION: **A**

DWG. NO.: **DETAIL RS 2.01**

DATE: **JANUARY 2017**

SCALE: **NTS**

**JUNCTION: 215mm SOLID MASONRY WALL/ EXTERNAL INSULATION
FLOOR INSULATION ABOVE SLAB**

TO BE READ IN CONJUNCTION
WITH Y-VALUE CALCULATION

