

- 440 x 215 x 100 Roadstone Standard Blocks
- 440 x 215 x 100 Roadstone Thermal Liteblock

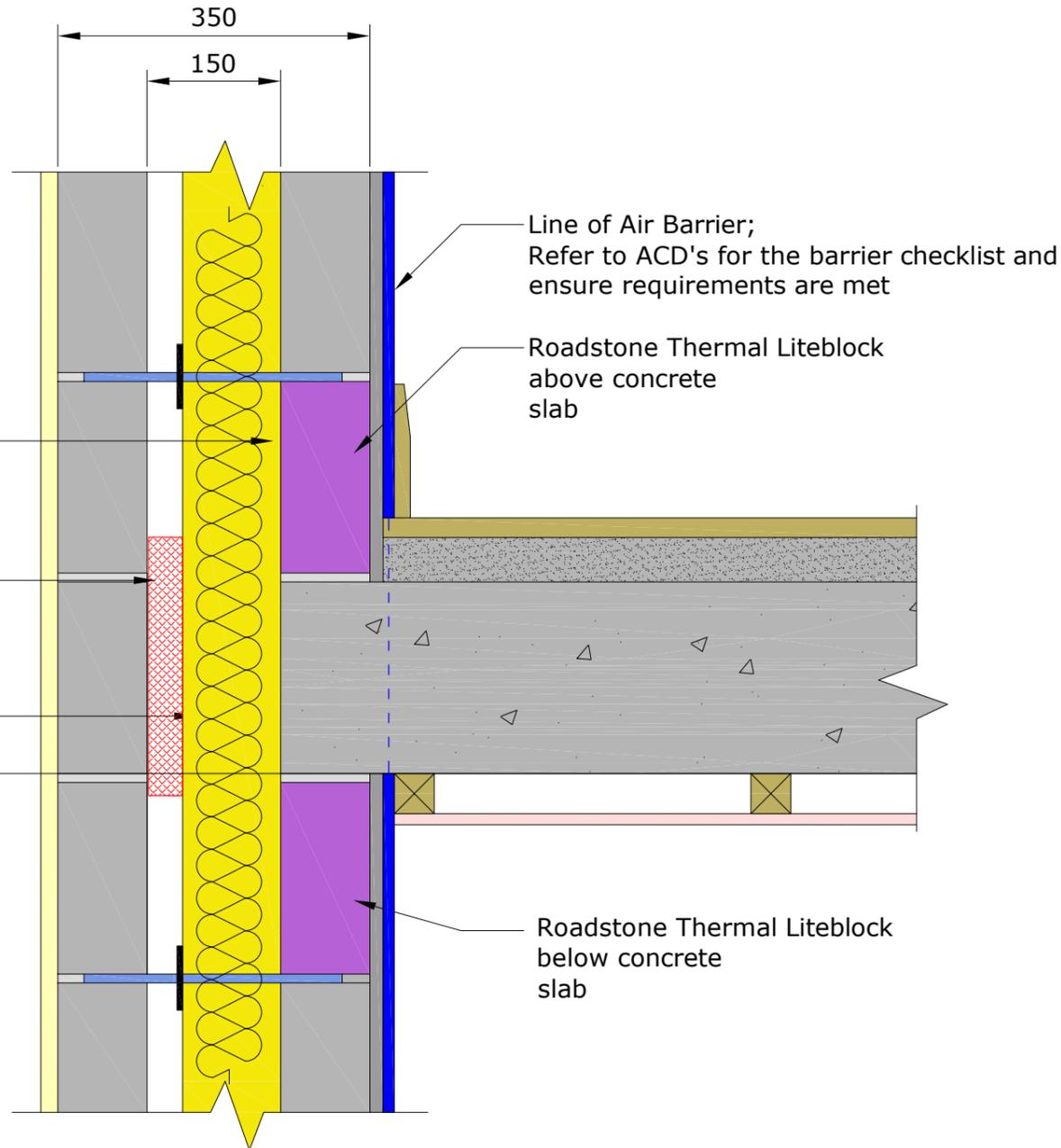
Partial fill Cavity Wall
U-Values vary, see appendix D of TGD part L 2011.

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

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

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

Continue cavity wall insulation across floor abutment zone



Roadstone Custom Psi values

U Value Range (W/m ² K)	Part L (Ψ)	Roadstone TLB Psi (Ψ) Value
0.18	0.000	-0.006
0.15	0.039	-0.002

As modelled by NSAI registered Thermal Modellers:

 NSAI Agrément	 NSAI Agrément
Andrew Dunne Evolusion Innovation Ltd. Registration Number IAB/TM/07 NSAI Approved Thermal Modeller	Robert Kelly Evolusion Innovation Ltd Registration Number IAB/TM/24 NSAI Approved Thermal Modeller

All options pass fRsi assessment, no surface condensation predicted

*Note:

In the 0.18 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 W/m²K U Value range

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: D	DWG. NO.: DETAIL RS1.04	DATE: APRIL 2020	
SCALE: NTS	JUNCTION: PARTIAL FILL CAVITY WALL/ CONCRETE INTERMEDIATE FLOOR WITHIN A DWELLING	TO BE READ IN CONJUNCTION WITH Y-VALUE CALCULATION	