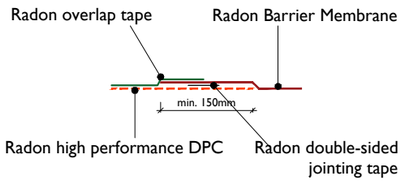
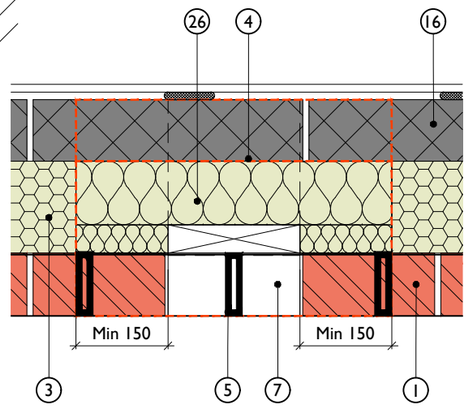
Joint between Radon Barrier & Radon DPC (n.t.s)



ELEVATION SHOWING INSULATION TO VENT

1:10



DETAIL SD/RSUB/01

RADON PROTECTION DETAIL FOR JETFLOOR SYSTEM WITH IEXTERNAL CAVITY WALL

1:10

PLAN SHOWING INSULATION AROUND VENT

1:10

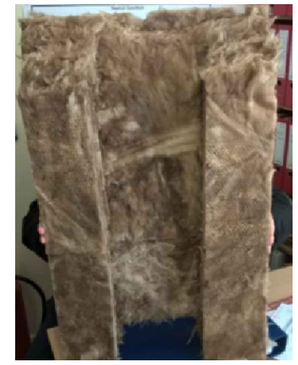
Details Legend

1. 102.5mm facing brick as per approved planning materials.
2. Full fill cavity wall ties at 450mm vertical and 900mm horizontal centres.
3. Refer to Part L specification for insulation type and thickness.
4. Proprietary loose laid cavity tray.
5. Brick weep holes at max. 900mm centres colour to match brick face.
6. 850mm Radon DPC taken across cavity (double sided tape under loose laid cavity tray to avoid capillary action).
7. Telescopic vents to be located in accordance with sub-structure layout and installed to manufacturer's recommendations. Void to be ventilated to give 1500mm² clear ventilation per metre run.
8. Coursing blocks to be used below feature brickwork where sufficiently below external ground level.
9. Thermalite or similar approved trench blocks below DPC
10. Cavity filled with a weak mix concrete infill.
11. 350 x 250 x 140mm o/a trench blocks.
12. Concrete foundations to engineer's design
13. Top soil to be removed from sub-floor void. Ground to be free from vegetation and treated with sodium chlorate weed killer or similar
14. 100mm dense concrete blockwork (1950-2300kg/m³) cut to course the B&B floor. Refer to GA plans for compressive strength.
15. 12.5mm Gyproc Wallboard (density 8.5kg/m³) taped and jointed on plaster dabs.
16. 100mm Aircrete (or similar approved) concrete blockwork inner leaf (600-800kg/m³). Refer to GA plans for compressive strength.
17. 30mm Perimeter insulation upstand (min psi value 0.052 Wm.K).
18. Concrete screed topping (depth will reflect overlay sheet depth & coursing).
19. Jetfloor overlay sheet or other structural grade flooring insulation board (depth to Regional SAP assessment).
20. Full Radon Protection Barrier Membrane (min. 1600 gauge for basic protection) taped & lapped min. 150mm with Radon Protection High Performance DPC.
21. Jetfloor EPS infill poly block to suit position of concrete beams (to manufacturer's design)
22. Jetfloor psi-block
23. 20mm floor notional finishes zone (shown as dashed line)
24. Flexible perimeter sealant.
25. *150mm deep Jetfloor pre-stressed concrete beams (Beam ends are to be neatly sealed with Blackjack bitumen paint (or similar performing).
26. Min. 100mm thick DriTherm Cavity Slabs (mineral wool batt) built in to rear of telescopic air vent to avoid cold bridging. Batts to be appropriately cut on site and installed to fully fill the cavity area around the telescopic vent and underneath the corresponding cavity tray. Care should be taken to fit closely and ensure work is clean and free from debris. It is essential that cut pieces completely fill the spaces, no gaps are left in the insulation, and the slab is cut slightly wider than the cavity tray to avoid incidents of joints. Refer to Knauf Supafil Housebuilder Guide v6.0.

NOTES:
All information on this drawing is copyright ©.
All sizes to be verified on site.
No dimensions to be scaled off this drawing.
All dimensions are to structure only unless otherwise stated
All dimensions on this drawing in millimetres unless otherwise stated

Note:

(a) Unless specified otherwise, all proprietary materials are to be installed strictly in accordance with manufacturer's instructions.



TYPICAL IMAGE OF CUT INSULATION

N.T.S.

REV.	DATE	DESCRIPTION	BY
02	3-2-26	ADDITIONAL NOTES & DETAILS ADDED FOR INSULATION TO REAR OF VENT	MCK
01	4-11-25	FOR ISSUE	MCK

Wain HOMES

Project Title:
GROUP DESIGN
ASCEND HOUSETYPE RANGE & SPECIFICATION
TANKING

Drawing Title:
RADON DETAIL FOR EXTERNAL WALL (JETFLOOR)

Drawing No: SD/RSUB/01

Drawing Status: FOR COMMENT

Scale: 1:10@A3

Revision: 02

Date: May 2025

Drawn by: MCK