

Remediation Strategy – 17154

Evidence to validate clause ‘5.8 Ground Gases’ for all associated plots

Context;

- As per remediation strategy 17154 the following evidence is supplied to support the discharge of condition 7 in relation to SMD/2017/0713.
- The detail outlined below provides evidence to cover points 5.1 & 5.8 as listed in the approved remediation strategy ‘17154’
- For clarity 5.1 & 5.8 identified the following requirements;
 - o Installation of a raft foundation
 - o Basic radon protection
 - o Fully sealed and lapped low permeability gas membrane (2000 gauge)
 - o Minimum 150mm overlap, sealed with double sided jointing tape, and lapped with gas resistant tape
 - o Use of Radon Top Hats
 - o Floor ventilated to the atmosphere
 - o Approval as per building control inspections
- All plots were carried out to the above specifications using the below listed materials;
 - o Corden EPS 2000 Gas Membrane (<https://www.cordeneps.co.uk/ground-gas-protection-barriers/eps-2000/>)
 - o Corden EPS Gas Tape – Double sided butyl joint tape (<https://www.cordeneps.co.uk/gas-protection-accessories/eps-jointing-tapes/>)
 - o Corden EPS Lap Tape (<https://www.cordeneps.co.uk/gas-protection-accessories/eps-jointing-tapes/>)
 - o Corden EPS Preformed Pipe Collars (<https://www.cordeneps.co.uk/gas-protection-accessories/eps-preformed-cloaks/>)
 - o Corden EPS GR DPC (<https://www.cordeneps.co.uk/gas-protection-accessories/eps-preformed-cloaks/>)
- Inspections of the various stages were carried out and approved through ‘Approved Inspectors’ the nominated building control inspectors for whole development. All properties have received full building control sign off and 10 year structural warranty policies as required.
- Please see attached photographic evidence to support. The photos are supplied from multiple properties to show a cross section of evidence.

Evidence;



Image 1; Installation of raft foundation inclusive of ventilation run



Image 2; Concrete Pour for raft installation, highlighting foundation ventilation.



Image 3; Completed raft foundation



Image 4; Installation of Corden EPS GR DPC



Image 5; Installation of Corden EPS 2000 Gas Membrane below internal wall structures and lapped to the underside of EPS GR DPC



Image 6; Installation of Corden EPS 2000 Gas Membrane fully lapped and sealed using Corden EPS Gas Tape and Corden EPS Lap Tape



Image 7; Showing installation of Corden EPS Preformed Pipe Collars



Image 8 & 9; Showing Foundation ventilation ducts as per specification