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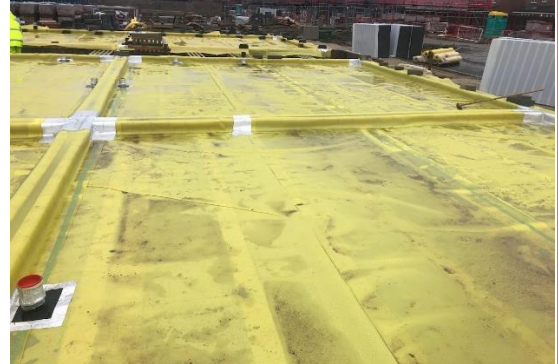
GAS MEMBRANE VALIDATION

Site Name: Belle Vue	Project Number: 12-123
Company Name: Countryside Properties	Date: 05-10-2022
Project Manager: S. Ellis	E3P Engineer: T. Preston
PM Qualifications: BSc (Hons), FGS, Cenv	Engineer Qualifications: Verification of Gas Protection Systems July 18
Ground Gas Risk Assessment: Amber 1	
<p>Overview:</p> <p>The membrane comprised a Visqueen low permeability gas membrane (Yellow) resistant to radon, carbon dioxide and low levels of methane. E3P can confirm there were no holes or rips at the time of inspection. Upon being laid the membrane is to be covered with a Celotex (closed Cell) floor insulation material which is considered to provide a high degree of protection.</p> <p>All external joints were inspected and E3P can confirm that the membrane was overlapped and double taped to external and internal gas resistant DPM. The membrane was taped to the gas resistant DPM using a double-sided jointing tape. All the overlaps were then additionally taped using foil backed girth tape.</p> <p>Each unit has a service duct located to the front and outer edge of the property. E3P inspected each one and can confirm that the top-hats have been adequately sealed against the membrane.</p> <p>Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that Plots 170 & Block 1 have been installed with gas protection measures in accordance with Amber 1 to an acceptable level of workmanship.</p>	
Membrane Specification: Visqueen Gas Membrane (Yellow)	

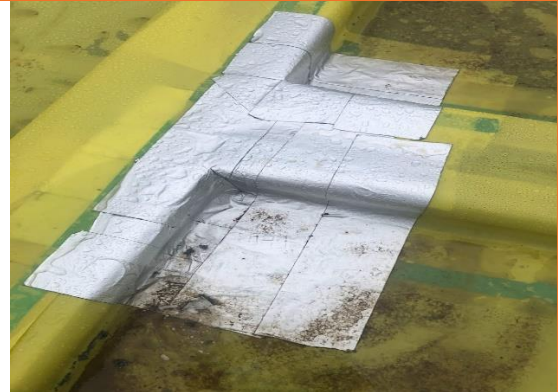


Plot – Block 1

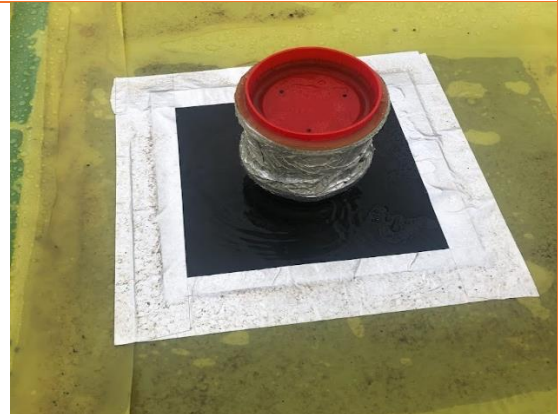
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition

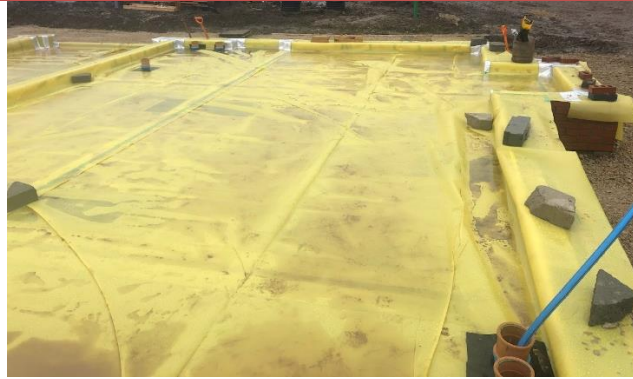


Verification of Ventilation-Good Condition



Plot - 170

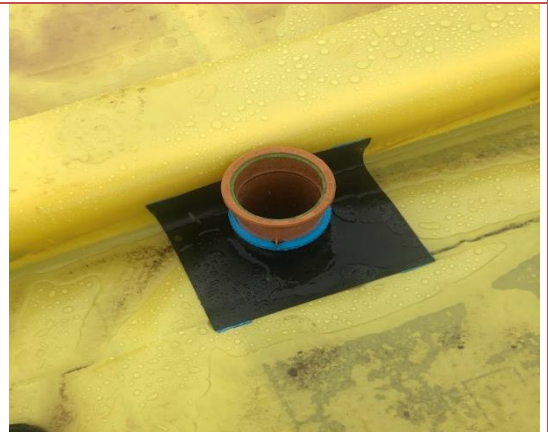
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition

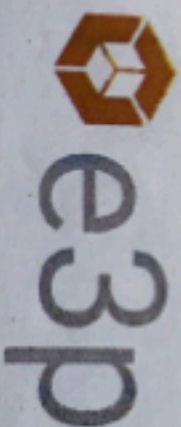


Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition





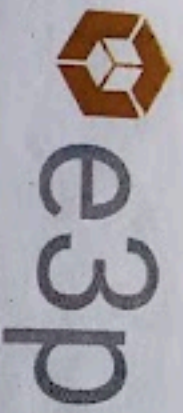
Gas Protection Validation Site Record

Inspection date/time:	5/10/22	Inspected by:	Tom Preston	Photographed:	✓/x ✓
Type of development:	Residential	Plot number:	Black 1	Developer:	

Notes/recommendations	Comments
Membrane Type	Yellow Visqueen
Extent of Coverage	Full Plot ✓
Underside of Membrane	✓
Slab / membrane condition (is membrane clear of debris or insulation)	✓
Type of joints	☒ Tape Joint ☐ Welded Joint ☐ Other (please state)
Service entries - Jubilee clips, Top hats installed correctly	✓
External Wall Air bricks Present?	✓
Corners inspected?	✓
Membrane joints inspected has Double-sided butyl tape been used?	✓
Folds in membrane inspected?	✓
Has the membrane been installed as per the design detail drawing?	✓

This Plot has PASSED / FAILED* inspection. (Any proposed rework must be signed and dated by the inspector. A re-inspection is NOT required for this Plot.)
Inspection by: Tom Preston Signed: [Redacted]

column on this form). An additional inspection visit is required if the plot is not compliant with the design detail.



Gas Protection Validation Site Record

Inspection date/time:	5/10/22	Inspected by:	Tom Preston	Photographed:	✓/x ✓
Type of development:	Residential	Plot number:	1170	Developer:	

Notes/recommendations

Comments

Membrane Type	
Extent of Coverage	Yellow Visqueen Full Plot ✓
Underside of Membrane	✓
Slab / membrane condition (is membrane clear of debris or insulation)	✓
Type of joints	☒ Tape Joint ☐ Welded Joint ☐ Other (please state)
Service entries – Jubilee clips, Top hats installed correctly	✓
External Wall Air bricks Present?	✓
Corners inspected?	✓
Membrane joints inspected has Double –sided butyl tape been used?	✓
Folds in membrane inspected?	✓
Has the membrane been installed as per the design detail drawing?	✓

This Plot has PASSED ~~FAILED~~ inspection. (Any proposed NOT required for this Plot.
Inspection by: Tom Preston Signed [Redacted])

“ column on this form). An additional inspection visit (S)