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GAS MEMBRANE VALIDATION

Site Name: Belle Vue	Project Number: 12-123
Company Name: Countryside Properties	Date: 12-10-2022
Project Manager: S. Ellis	E3P Engineer: J. Newall
PM Qualifications: BSc (Hons), FGS, Cenv	Engineer Qualifications: Verification of Gas Protection Systems July 18
Ground Gas Risk Assessment: Characteristic Situation 2 / 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 198-199 have been installed with gas protection measures in accordance with Characteristic Situation 2 / Amber 1 to an acceptable level of workmanship.</p>	



Plot – 198

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 - 199

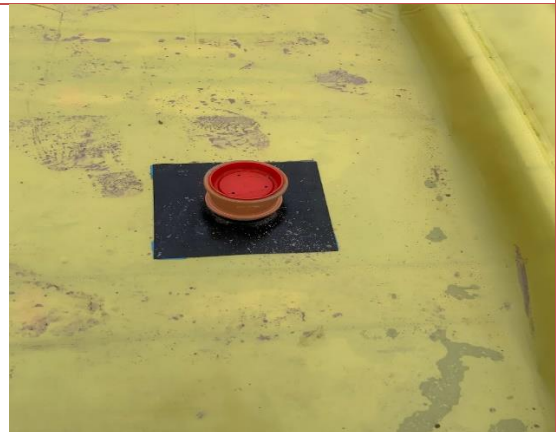
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition



Sub Floor Void – Plot 200



Sub Floor Void – Plot 201





Gas Protection Validation Site Record

Bill We

Inspection date/time:	12/10/22	Inspected by:	J Nevala	Photographed:	01x
Type of development:		Plot number:	198	Developer:	

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

This Plot has **PASSED** / **FAIL** / **ED*** inspection (Any proposed remedial works will be noted in the "Remarks" column on this form). An additional inspection visit IS/IS NOT required for this Plot

Inspection by: [redacted] Signed: [redacted]



Gas Protection Validation Site Record

Inspection date/time:	12/10/22	Inspected by:	J Neill	Photographed:	Q/x
Type of development:		Plot number:	199	Developer:	

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

This Plot has **PASSED** / **FAIL** / **END** * inspection. (Any proposed remedial works will be noted in the "Remarks" column on this form). An additional inspection visit IS/IS NOT required for this Plot

Inspection by: [redacted] Signed: [redacted]