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GAS MEMBRANE VALIDATION

Site Name: Belle Vue	**Project Number:** 12-123
Company Name: Countryside Properties	**Date:** 24-09-2022
Project Manager: S. Ellis	**E3P Engineer:** R. Webster
PM Qualifications: BSc (Hons), FGS, Cenv	**Engineer Qualifications:** GGS Gas Training Feb 22
Ground Gas Risk Assessment: **Characteristic Situation 2 / Amber 1**	

Overview:
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.

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.

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.

Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that **Plots 196-197 have** been installed with gas protection measures in accordance with Characteristic Situation 2 / Amber 1 to an acceptable level of workmanship.

Membrane Specification: Visqueen Gas Membrane (Yellow)

Plot - 196

General Condition of Membrane-Good Condition

Verification of Joints and Seals-Good Condition

Verification of Service Penetrations-Good Condition

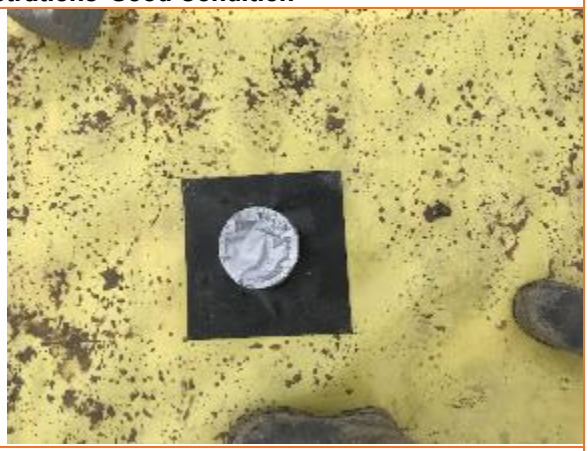
Verification of Ventilation-Good Condition

Plot - 197

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:	24/9/22	Inspected by:	R. Webster	Photographed:	✓/x ✓
Type of development:	Belle Vue	Plot number:	198	Developer:	

Notes/recommendations	Comments
Membrane Type	Visqueen Yellow
Extent of Coverage	fully extends
Underside of Membrane	
Slab / membrane condition (is membrane clear of debris or insulation)	Good
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/FAILED* 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:	24/9/22	Inspected by:	R Webster	Photographed:	✓/x ✓
Type of development:	Bellevue	Plot number:	199	Developer:	

Notes/recommendations	Comments
Membrane Type	Visqueen Yellow
Extent of Coverage	fully extends
Underside of Membrane	
Slab / membrane condition (is membrane clear of debris or insulation)	Good
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/FAILED* 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]