

GAS MEMBRANE VALIDATION

Site Name: Belle Vue Stadium	Project Number: 12-123
Company Name: Countryside	Date: 01-09-2022
Project Manager: O. Jackson	E3P Engineer: R. Webster
PM Qualifications : BSc FGS AMIEnvSc	Engineer Qualifications: GGS Gas Training Feb 22

Overview:

The membrane comprised a Visqueen 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.

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 191-193** has been installed with gas protection measures in accordance with Amber 1 to an acceptable level of workmanship.





Plot – 191

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Overlapped and sealed correctly



Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition



Plot – 192

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Overlapped and sealed correctly



Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition



Plot – 193

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Overlapped and sealed correctly

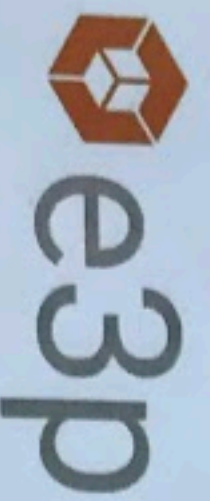


Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition





Gas Protection Validation Site Record

Inspection date/time:	1/9/22	Inspected by:	R. Webster	Photographed:	✓/x ✓
Type of development:	Belvedere	Plot number:	191	Developer:	

Notes/recommendations	Comments
Membrane Type	Visqueen yellow
Extent of Coverage	Full 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: R. Webster Signed: [Redacted]



Gas Protection Validation Site Record

Inspection date/time:	1/9/22	Inspected by:	R. Webster	Photographed:	✓/x ✓
Type of development:	Belle Vue	Plot number:	192	Developer:	

Notes/recommendations	Comments
Membrane Type	Visqueen yellow
Extent of Coverage	Full 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 reworks will be noted in the "Remarks" column on this form). An additional inspection **NOT*** required for this Plot.
Inspection by: R. Webster Signed: [Redacted]

Gas Protection Validation Site Record

Inspection date/time:	1/9/22	Inspected by:	R. Webster	Photographed:	✓/x
Type of development:	Belle Vue	Plot number:	193	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 **NOT*** required for this Plot. Signed: [Redacted] Inspection by: R. Webster