GAS MEMBRANE VALIDATION

Site: East Tame	
Date: 25-01-2018	Project Number: 10-917
Project Manager: D. Cox	E3P Engineer: E. Moss
Ground Gas Risk Assessment: **Characteristic Situation 2 / Amber 1**	

Overview:

The membrane comprised a Visqueen Gas Barrier (Blue) resistant to radon, carbon dioxide and 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 **Plot 6,7,39 & 40** has 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 (Blue)



Plot - 6

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 - 7

General Condition of Membrane-Good Condition



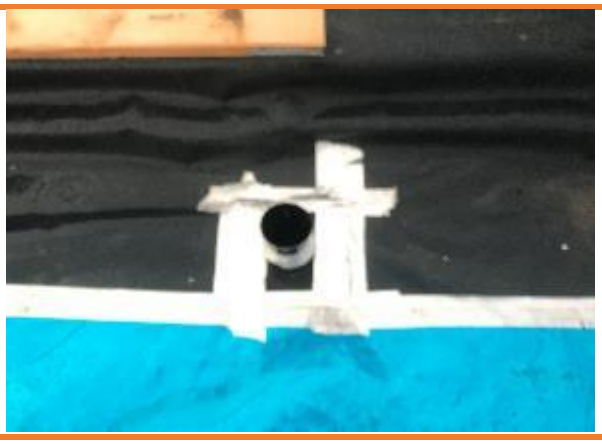
Verification of Joints and Seals-Good Condition





Verification of Service Penetrations-Good Condition





Verification of Ventilation-Good Condition



Plot - 39

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 - 40

General Condition of Membrane-Good Condition




Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition




Verification of Ventilation-Good Condition

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Gas Protection Validation Record

Development East tame

Guide Notes:

1.	Membrane type	Note manufacturer and product specification, including batch/roll numbers if present.
2.	Extent of coverage	Confirm all areas are complete, including wall cavities.
3.	Underside of membrane	Confirm sand binding layer is present beneath membrane.
4.	Slab/membrane condition	Confirm condition of membrane and any punctures or repairs.
5.	Laps and joints	Check that all joints are lapped and sealed in accordance with design details.
6.	Damp-proof course	Record DPC manufacturer and product code – possibly integrated with the membrane.
7.	Service entries and seals	Confirm top hat types and seal arrangements in accordance with design/specification.

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: E. Moss

Signed: [redacted]

*Delete as appropriate

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Gas Protection Validation Record

One record sheet to be completed for each plot

Plot No: 7

	Inspection date/time:	25/01/18	Inspected by:	E. Moss	Photographed:	✓/×	✓

	✓/×	Notes/recommendations
Membrane type	✓	1. Blue VISQ
Extent of coverage	✓	2. Fully covered
Underside of membrane	✓	3. Concrete
Slab/membrane condition	✓	4. Good no punctures/repair
Laps and joints	✓	5. lapped + sealed
Damp-proof course	✓	6.
Service entries	✓	7. Present + sealed

Gas Protection Validation Record

One record sheet to be completed for each plot

Plot No: 6

	Inspection date/time:	25/01/18	Inspected by:	E. Ross	Photographed:	✓/× ✓

	✓/×	Notes/recommendations
Membrane type	✓	1. Blue VP5 @
Extent of coverage	✓	2. fully covered
Underside of membrane	✓	3. coverage
Slab/membrane condition	✓	4. Good no punctures/gaps
Laps and joints	✓	5. lapped + sealed
Damp-proof course	✓	6.
Service entries	✓	7. Present + sealed

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e3p Gas Protection Validation Record

One record sheet to be completed for each plot

Plot No: 39

	Inspection date/time:	25/01/18	Inspected by:	E. Mew	Photographed:	✓/×	✓

	✓/×	Notes/recommendations
Membrane type	✓	1. Blue Visqueen
Extent of coverage	✓	2. Fully covered
Underside of membrane	✓	3. Complete
Slab/membrane condition	✓	4. Good no punctures / repairs
Laps and joints	✓	5. Lapped + sealed
Damp-proof course		6.
Service entries	✓	7. Pre-sealed

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e3p Gas Protection Validation Record

One record sheet to be completed for each plot

Plot No: 90

	Inspection date/time:	25/01/18	Inspected by:	E. Mew	Photographed:	✓/×	✓

	✓/×	Notes/recommendations
Membrane type	✓	1. Blue Visqueen
Extent of coverage	✓	2. Fully covered
Underside of membrane	✓	3. Complete
Slab/membrane condition	✓	4. Good no punctures / repairs
Laps and joints	✓	5. Lapped + sealed
Damp-proof course		6.
Service entries	✓	7. Pipes taped + sealed

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