

GAS MEMBRANE VALIDATION

Site: Boothroyden Road, Middleton

Date: 07-05-2021

Project Number: 13-500

Project Manager: N. Sellars

E3P Engineer: R.Webster

Ground Gas Risk Assessment: **Amber 2**

Membrane Specification: Visqueen Ultimate HC Blok

Plots Validated: 40,41,44

Overview:

The membrane comprised a Visqueen Ultimate HC Blok resistant to radon, carbon dioxide and low levels of methane. E3P can confirm there were no holes or rips at the time of inspection.

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 40,41,44** have been installed with gas protection measures in accordance with Amber 2 to an acceptable level of workmanship.



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

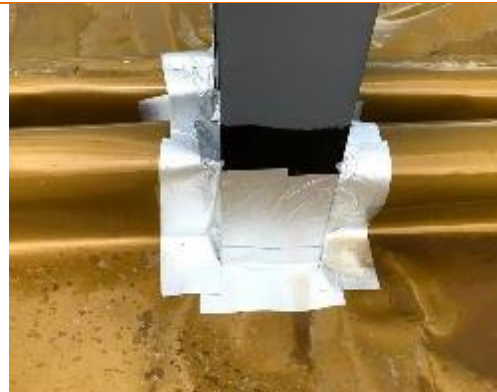


Plot - 41

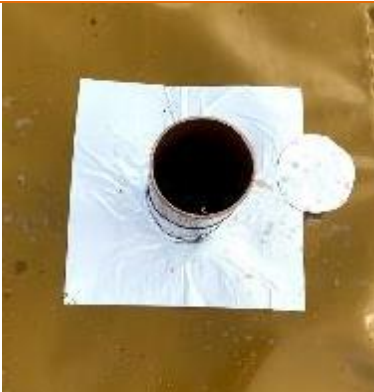
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition



Plot - 44

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 No: *Beechwood plot 40* Gas Protection Validation Site Record

Inspection date/time:	<i>7th May</i>	Inspected by:	<i>R. Webster</i>	Photographed:	<i>✓</i>
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✓/x Notes/recommendations	
Membrane Type Correct	✓
Extent of Coverage Correct	✓
Underside of Membrane	✓
Slab / membrane condition	✓
Laps and joints	✓
Damp-proof course	✓
Service entries	✓
Folded Membrane Joint	✓
Taped & inspected	✓

This Plot has PASSED ALL 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: *R. Webster* Signed: *R. Webster*
One record sheet to be completed for each plot - To be completed by E3P Professional Inspecting.





Gas Protection Validation Site Record

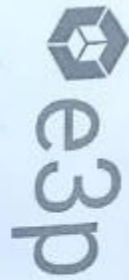
PLOT No: Boothroyden Plot 4P

Inspection date/time:	<u>7th May</u>	Inspected by:	<u>R. Webster</u>	Photographed:	<u>✓</u>
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✓/x	Notes/recommendations
✓	Membrane Type Correct
✓	Extent of Coverage Correct
✓	Underside of Membrane
✓	Slab / membrane condition
✓	Laps and joints
✓	Damp-proof course
✓	Service entries
✓	Folded Membrane Joint
✓	Taped & Inspected

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: [Signature]
One record sheet to be completed for each plot - To be completed by E3P Professional Inspecting.





Plot No: Bacchampton plot 44 Gas Protection Validation Site Record

Inspection date/time:	<u>7th May</u>	Inspected by:	<u>R. Webster</u>	Photographed:	<u>✓</u>
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✓/x Notes/recommendations	
Membrane Type Correct	✓ Visqueen Ultimate MC Black (gold)
Extent of Coverage Correct	✓ Fully extended
Underside of Membrane	✓
Slab / membrane condition	✓ Good
Laps and joints	✓ Fully sealed
Damp-proof course	✓
Service entries	✓
Folded Membrane Joint	✓
Taped & inspected	✓

This Plot has **FAILED/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: [Signature]
One record sheet to be completed for each plot - To be completed by E3P Professional Inspecting.

