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GAS MEMBRANE VALIDATION

Site Name: Belle Vue Stadium	Project Number: 12-123
Company Name: Countryside	Date: 15-09-2022
Project Manager: S. Ellis	E3P Engineer: P. Lavelle
PM Qualifications : BSc FGS AMIEnvSc	Engineer Qualifications: GGS Gas Training Feb 2022

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** 135, half of apartment block 1 have been installed with gas protection measures in accordance with Amber 1 to an acceptable level of workmanship.





Plot – 135

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



Half App Block 1

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:	13/09/22	Inspected by:	P.L	Photographed:	☒
Type of development:	Residential	Plot number:	133	Developer:	
Notes/recommendations					
Membrane Type	Comments				
Extent of Coverage	Yellow membrane				
Underside of Membrane	Full coverage				
Slab / membrane condition (is membrane clear of debris or insulation)	Clear				
Type of joints	Clear				
Service entries - Jubilee clips, Top hats installed correctly	☒ Tape Joint ☐ Welded Joint ☐ Other (please state)				
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 ☒ and is suitable for the proposed removal of the "Remarks" column on this form). An additional inspection visit IS/IS NOT* required for [redacted] Inspection by: [redacted] Signed: [redacted]



Gas Protection Validation Site Record

Inspection date/time:	15/09/22	Inspected by:	P.L	Photographed:	1x
Type of development:	Residential	Plot number:	APP Block 1	Developer:	
Notes/recommendations					

Membrane Type

Comments

Extent of Coverage

Underside of Membrane

Slab / membrane condition (Is membrane clear of debris or insulation)

Type of joints

Service entries - Jubilee clips, Top hats installed correctly

External Wall Air bricks Present?

Corners inspected?

Membrane joints inspected has Double -sided butyl tape been used?

Folds in membrane inspected?

Has the membrane been installed as per the design detail drawing?



Tape Joint



Welded Joint



Other (please state)

Yellow membrane

Full coverage

Clear

Clear

yes

yes

yes

yes

yes

yes

(Any proposed remedial work should be stated in the "Remarks" column on this form). An additional inspection visit

Signed: