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GAS MEMBRANE VALIDATION

Site: Bowes Street	
Date: 22 nd -24 th June 2021	Project Number: 11-813
Project Manager: R. Horseman	E3P Engineer: J. James
Ground Gas Risk Assessment: Characteristic Situation 2 / Amber 1	
Overview: The membrane comprised Visqueen GX DPC wrapped under slab and spanned across internal and external walls which was taped to VOC block with GX jointing tape. E3P can confirm there were no punctures or tears at the time of inspection. Upon being laid the membrane was 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 GX DPM. The membrane was taped to the gas resistant VOC Block 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 7-8 have been installed with gas protection measures in accordance with Characteristic Situation 2 to an acceptable level of workmanship. Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that Block A has been installed with gas protection measures in accordance with Characteristic Situation 2 / Amber 1 to an acceptable level of workmanship.	
Membrane Specification: Hydrocarbon Resistant Membrane (VOC Blok and Visqueen GX)	



Block A Visit 1 – 22/06/2021

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition



Verification of Ventilation- Good Condition



Block A Visit 2 – 23/06/2021

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition

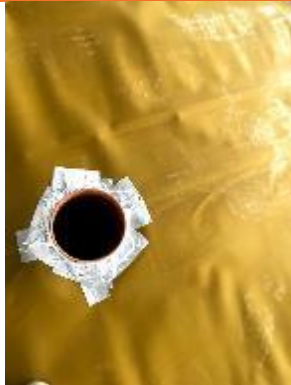
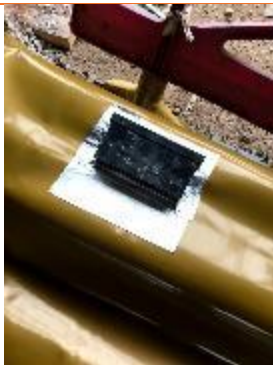


Verification of Service Penetrations-Good Condition



Verification of Ventilation- Good Condition



Block A Visit 3 – 24/06/2021	
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:	24/6/21	Inspected by:	S. JAMES	Photographed:	V/x
Type of development:	Apartments	Plot number:	Block A	Developer:	Rowlinson
Notes/recommendations	Comments				
Membrane Type	Gold Hydrocarbon				
Extent of Coverage	✓				
Underside of Membrane	✓				
Slab / membrane condition (is membrane clear of debris or insulation)	✓				
Type of joints	☒ Tape Joint ☒ Welded Joint ☐ Other (please state)				
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?	✓				

This Plot has PASSED/FAILED* inspection. (Any proposed remedial works will be noted in the "Remarks" column on this form). An additional inspection is required for this Plot. Signed: *[Signature]*

