

GAS MEMBRANE VALIDATION

Site: Princess Road

Date: 30 th Oct 2018	Project Number: 12-396
Project Manager: Rob Horseman	E3P Engineer: Rob Horseman
Ground Gas Risk Assessment: Characteristic Situation 2/ Amber 2	

Overview:

The membrane comprised a Visqueen low permeability gas membrane (Blue) 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. 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 - apartment block** have been installed with gas protection measures in accordance with Characteristic Situation 2 / Amber 2 to an acceptable level of workmanship.

Membrane Specification: Visqueen Gas Barrier (Blue)

DATASHEET

Technical Support: 0333 202 6800
LAST UPDATED: 19.10.2017



Gas Barrier
CE Mark to EN 13967

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- BBA approved, fully complies with BS8485:2015
- Low permeability to methane, radon and carbon dioxide
- Approved for use in NHBC Amber 2 applications
- Multi-layer reinforced LDPE membrane with aluminium core
- High puncture and tear resistance

Description

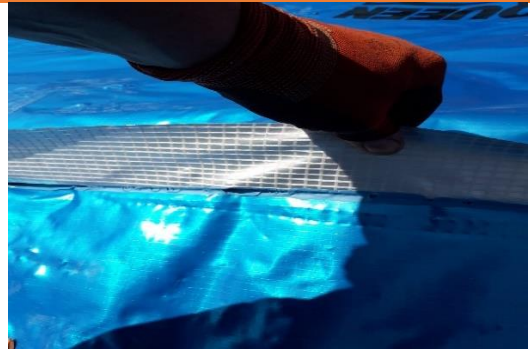
Visqueen Gas Barrier is a 400 gsm multi-layer reinforced polyethylene membrane with an integral 20 micron aluminium foil that is approved for use in BS8485:2015 and NHBC Amber 2 applications. For ease of identification on site Visqueen Gas Barrier is coloured blue on one side and silver on the reverse. The barrier combines strength and performance with flexibility and easy installation. Visqueen Gas Barrier also acts as a damp proof membrane.

Plot – Apartment block

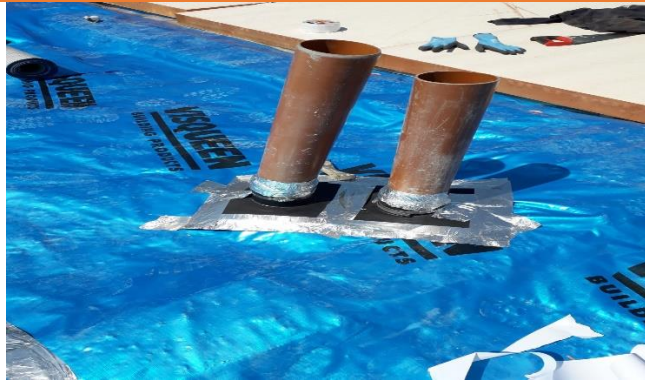
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition



Ref – QD37-1

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Plot – Apartment block
Telescopic venting

