

CO₂ Gas Membrane Inspection Report

Report Date: 30 September 2025 | Ref: RPW-CO2-MEM-2026-001

Job Details

Client	TRJ	Membrane Type	Gas-Barrier Composite
Site Address	Cwmafan, Port Talbot, SA12 9NR	Installer	TRJ
Inspection Date	30 September 2025	Report Status	Final

Membrane Specification

Product Name	ATAL powerbase multigas 500	Certification	BBA / BRE
Material	Multi-layer composite	Min. Lap Width	150 mm taped
Thickness	1.0 mm	Application	Floor slab / Walls / Combined

Inspection Findings

Area / Component	Status	Notes / Action Required
Floor slab – central area	PASS	Membrane continuous, no visible damage or punctures observed
Floor slab – perimeter	PASS	Lap widths confirmed at minimum 150 mm throughout; correctly taped
Wall / floor junction (all sides)	PASS	Correctly upturned and sealed to DPC level throughout
Soil pipe penetration	PASS	Correctly collared and sealed with manufacturer-approved tape
Electric conduit penetration	PASS	Collar and sealant correctly applied around conduit entry point
Membrane surface – all areas	PASS	No punctures, tears or damage observed across membrane surface
Expansion joint treatment	PASS	Correctly bridged with flexible cover strip as per specification
Tape joints / laps throughout	PASS	Correct tape product used; laps ≥ 150 mm confirmed throughout
Gas sump integration	PASS	Correctly installed and integrated; sump perforations correctly positioned

Additional Notes & Observations

The membrane had been installed in advance of the inspection and was found to be clean, undamaged and free from debris or standing water at the time of visit. All penetrations were found to be neatly executed and in accordance with the manufacturer's installation guidelines. No areas of concern were identified during the inspection. The installer's workmanship was observed to be of a high standard throughout

Overall Assessment & Inspector Sign-Off

Overall Assessment

✅ All inspection items passed. The CO₂ gas membrane installation at Cwmafan, Port Talbot, SA12 9NR has been inspected and found to be fully compliant with the design specification.

No defects, damage or non-conformances were identified. The membrane is confirmed as fit for purpose and the slab may proceed to pour.

Radon Wales Ltd hereby issues this report as a Gas Membrane Verification Certificate for this installation.

Standards: BS 8485:2015+A1:2019 | CIRIA C735 | BRE BR 211

Inspector Sign-Off

Inspector Name: Lee Waters

Qualifications: NVQ Level 6 Senior Site Inspection

Signature:

Date: 25th September 20205