GeoShield Verification Report 01

PROJECT REFERENCE:	GEO105283
PROJECT ADDRESS:	Nant Y Cafn Business Park Seven Sisters, Neath, SA10 9EY
SPECIFICATION:	Verified in accordance with CIRIA 735. Design in accordance with BS8485 2015 + 2019 for Methane and Carbon Dioxide. Substrate prepared in accordance with manufacturer's instructions.
MATERIAL SPECIFICATION:	Fosroc Proofex Total Membrane Proofex 3000MR Self Adhesive

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NAME OF SURVEYOR:	Cameron Jones
VERIFICATION COMPANY:	GeoShield Limited
COMPANY ADDRESS:	Icon Business Centre
	4100 Park Approach, Thorpe Park
	Leeds
	LS15 8GB
CONTACT NUMBER:	07393 626664
EMAIL ADDRESS:	cjones@geoshield.co.uk

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CLIENT DETAILS

CLIENT CONTACT:	Rhys Costain
CONTACTS ROLE:	
MOBILE PHONE:	07866 790285
EMAIL ADDRESS:	Rhys.costain@andrewscott.co.uk

CLIENT CONTACT:	
CONTACTS ROLE:	
MOBILE PHONE:	
EMAIL ADDRESS:	
NOTES:	

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APPLICATOR'S DETAILS

APPLICATOR NAME:	Rhys
COMPANY:	Andrew Scott Limited
APPLICATOR TEL:	
APPLICATOR EMAIL:	

APPLICATOR NAME:	
COMPANY:	
APPLICATOR TEL:	
APPLICATOR EMAIL:	

NOTES:

At least one member of each team group will have a NVQ Level 2 qualification in gas membrane installation.

All installers are deemed competent and skilled to complete the installation of gas membranes.

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INSPECTION AREA(S)

Ground Floor Slab of Proposed Industrial Building - Full Line Out

SITE CONDITIONS

WEATHER:	Overcast
TEMPERATURE:	15ºC
TIME:	13.00 - 14.30
DATE:	28.05.2025
REPORT NUMBER:	001
ACCOMPANIED BY:	

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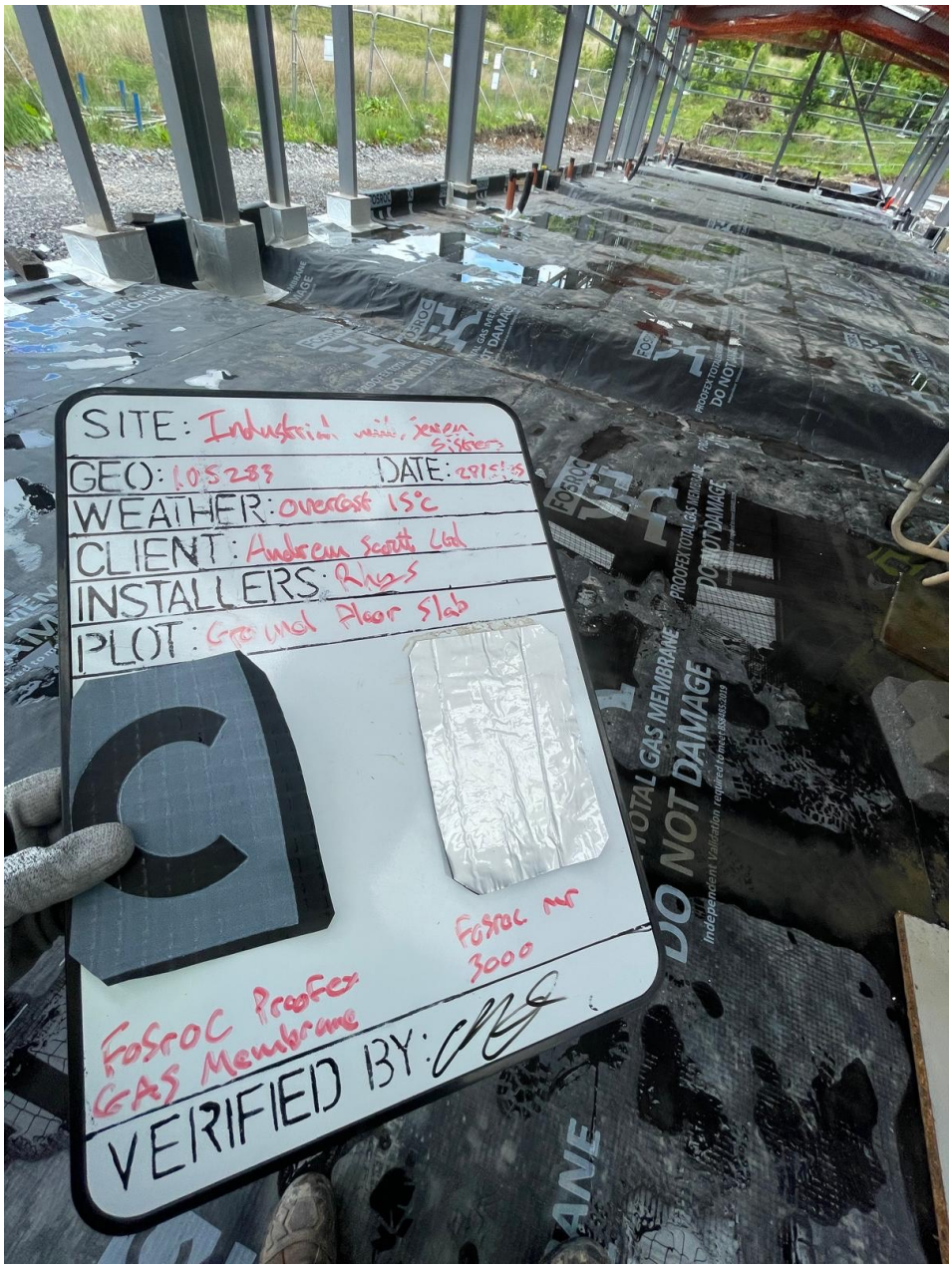
VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The area highlighted in blue shows where the verification inspection took place on site today. The area highlighted in red are outstanding remediations for the roller shutter doors which have now been completed.

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Verification Inspection Information



The above photograph shows the details of the verification visit and the materials used.

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OVERVIEW



The photograph above displays an overview of the area where today's verification inspection took place on site.

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OVERVIEW



The photograph above displays an overview of the area where today's verification inspection took place on site.

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VERIFICATION ITEM ONE

AREA INSPECTED: Ground Floor Slab of Proposed Industrial Building

INSPECTION DETAILS: Installation of Fosroc Proofex Total Gas Membrane



NOTES:

A complete line out of the Fosroc Proofex Total Gas Membrane has been installed across the entire referenced area. All lap joints between the adjacent sheets of Fosroc Proofex Total Gas Membrane have been overlapped and sealed using double sided butyl tape.



NOTES:

All lap joints between the adjacent sheets of Fosroc Proofex Total Gas Membrane have been overlapped a minimum of 100mm. Double sided butyl tape was installed between adjacent sheets of Fosroc Proofex Total Gas Membrane Installed in accordance with manufacturer's specifications.

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VERIFICATION ITEM ONE



The above photograph displays a mechanical point stress test, also known as a pick and probe test, being conducted upon a welded lap joint of the Fosroc Proofex Total Gas Membrane. All lap joints were subjected to thorough mechanical point stress testing. No faults or defects were identified at the time of inspection.

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VERIFICATION ITEM TWO

AREA INSPECTED: Ground Floor Slab of Proposed Industrial Building

INSPECTION DETAILS: Sealed Upstand Columns



NOTES:

Throughout the installation of the Fosroc Proofex Total Gas Membrane to the area referenced, there were a number of upstand columns that have been sealed in accordance with manufacturer's specifications and design guidelines. This has been achieved using sheets of Fosroc Proofex 3000MR.



NOTES:

The installers have first coated the upstand column with a primer, once this has thoroughly dried, the Fosroc Proofex Total Gas Membrane is cut tight around the base of each upstand column. Next, strips of Fosroc Proofex 3000MR are placed around the column and onto the Fosroc Proofex Gas Membrane.

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VERIFICATION ITEM TWO



Sufficient downward and rolled pressure is applied to aid in adherence. creating a secure bond between the upstand column and the Fosroc Proofex Total Gas Membrane. All upstand columns throughout the referenced area were subjected to thorough mechanical point stress testing where a probe was run along all edges of the Fosroc Proofex 3000MR. No faults or defects were identified during today's visit.

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VERIFICATION ITEM THREE

AREA INSPECTED: Ground Floor Slab of Proposed Industrial Building

INSPECTION DETAILS: Pipe Penetrations



NOTES:

Throughout the installation of the Fosroc Proofex Total Gas Membrane to the referenced area, there were a number of pipe penetrations that have been sealed in accordance with manufacturer's specifications and design guidelines. This has been achieved using Fosroc Proofex 3000MR which is a self adhesive



NOTES:

membrane. The installers have first cut the Fosroc Proofex Total Gas Membrane tight around the base of each pipe penetration to minimise voided areas. Next, strips of Fosroc Proofex 3000MR are placed intricately in a top hat formation around the pipe penetration and onto the Fosroc Proofex Total Gas Membrane.

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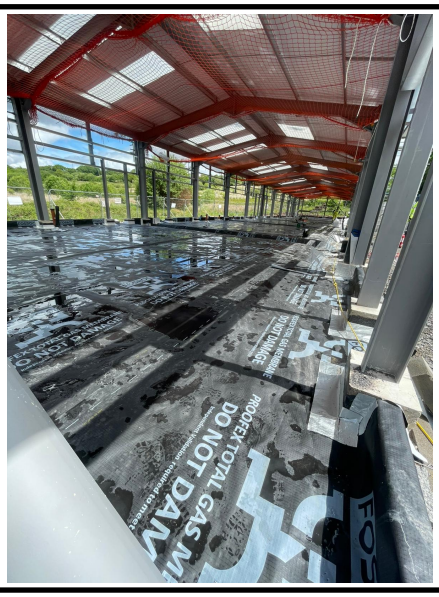
VERIFICATION ITEM THREE



Heat and rolled pressure is applied to activate the bitumen backing, creating a secure bond between the pipe penetration and the Fosroc Proofex Total Gas Membrane. All pipe penetrations throughout the referenced area were subjected to thorough mechanical point stress testing where a probe was run along all edges of the Fosroc Proofex 3000MR. There were a number of service pipes which are still to be sealed and will be verified at a future visit.

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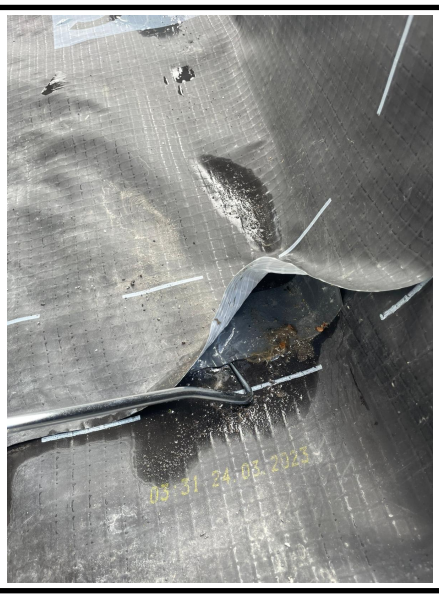
ADDITIONAL PHOTOGRAPHS



Overview of the area where the Fosroc Proofex Total Gas Membrane has been installed.



Overview of the area where the Fosroc Proofex Total Gas Membrane has been installed.



Pick and probe test on a taped lap joint.



Pick and probe test to the Fosroc Proofex 3000MR.

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ADDITIONAL PHOTOGRAPHS



A photograph showing evidence that double sided butyl tape has been used.



A photograph showing a primed column.



Installers have installed the Fosroc Proofex Total Gas Membrane tight to the perimeter walls.



Installers have installed the Fosroc Proofex Total Gas Membrane tight to the perimeter walls.

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ADDITIONAL PHOTOGRAPHS



Shutter door areas now sealed using Fosroc Proofex 3000MR.



Shutter door areas now sealed using Fosroc Proofex 3000MR.



Shutter door areas now sealed using Fosroc Proofex 3000MR.



Shutter door areas now sealed using Fosroc Proofex 3000MR.

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ADDITIONAL PHOTOGRAPHS



Service penetration sealed internally with gas resistant mastic.



Service penetration sealed internally with gas resistant mastic.



Service penetration sealed internally with gas resistant mastic.



Service penetration sealed internally with gas resistant mastic.

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REMEDIATION LOG

Date	No.	Remediation Description	Y/N
28/05/2025	001	1. Service pipes will need to be sealed internally at a later date.	✔
		2. Shutter doors will need to be sealed at a later date.	✔

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GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:	✔	DIELECTRIC:	
AIR LANCING:		OTHER (PLEASE SPECIFY):	
DESTRUCTIVE:			
INERT GAS TEST:			
SMOKE TEST:			

Report No.	AREA INSPECTED	Y/N
001	Ground Floor Slab of Proposed Industrial Building - Full Line Out	✔

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VERIFICATION SUMMARY

This was the first visit to the site where verification was required for the installation of the Fosroc Proofex Total Gas Membrane to the ground floor slab of proposed industrial building.
All overlaps between the adjacent sheets of Fosroc Proofex Total Gas Membrane have been successfully sealed using double sided butyl tape.
All details throughout the installation, such as columns and pipe penetrations have been successfully sealed using Fosroc Proofex 3000MR, heated down to aid in the adherence.
Thorough mechanical point stress testing, as well as visual inspections were conducted throughout the visit today.
No faults or defects were detected during today's visit.

The installation has been conducted to a good NVQ 2 standard and in accordance with manufacturer's specifications.

update Outstanding remediations now completed.

Is the project ready for handover?	Yes

This was passed and verified in accordance with CIRIA 735 and installed to BS8485:2015+A1 2019.

GEOSHIELD SIGNATURE



DATE: 28-May-2025