



GeoShield Verification Report 7



PROJECT REFERENCE:

GEO105396

PROJECT ADDRESS:

R4 Civils,
Barlestone,
Barton Road,
Osbaston
Nuneaton,
CV13 0EU

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:

JUTA GP1 Gas Barrier
JUTA GP1 SAM



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NAME OF SURVEYOR:

Ben Cook

VERIFICATION COMPANY:

GeoShield Limited

COMPANY ADDRESS:

Icon Business Centre

4100 Park Approach, Thorpe Park

Leeds

LS15 8GB

CONTACT NUMBER:

07471 648596

EMAIL ADDRESS:

bcook@geoshield.co.uk



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CLIENT DETAILS

CLIENT CONTACT:	Ricky Cooper
CONTACTS ROLE:	Director - Omega Lining Solutions Ltd
MOBILE PHONE:	07817 634284
EMAIL ADDRESS:	ricky.c@omega-ls.co.uk



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



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APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



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INSPECTION AREA(S)

Plots 46, 78, 48 & 49 - Full Line Out

SITE CONDITIONS

WEATHER:

Cloudy

TEMPERATURE:

10°C

TIME:

10.00 - 12.00

DATE:

25.02.2026

REPORT NUMBER:

007

ACCOMPANIED BY:



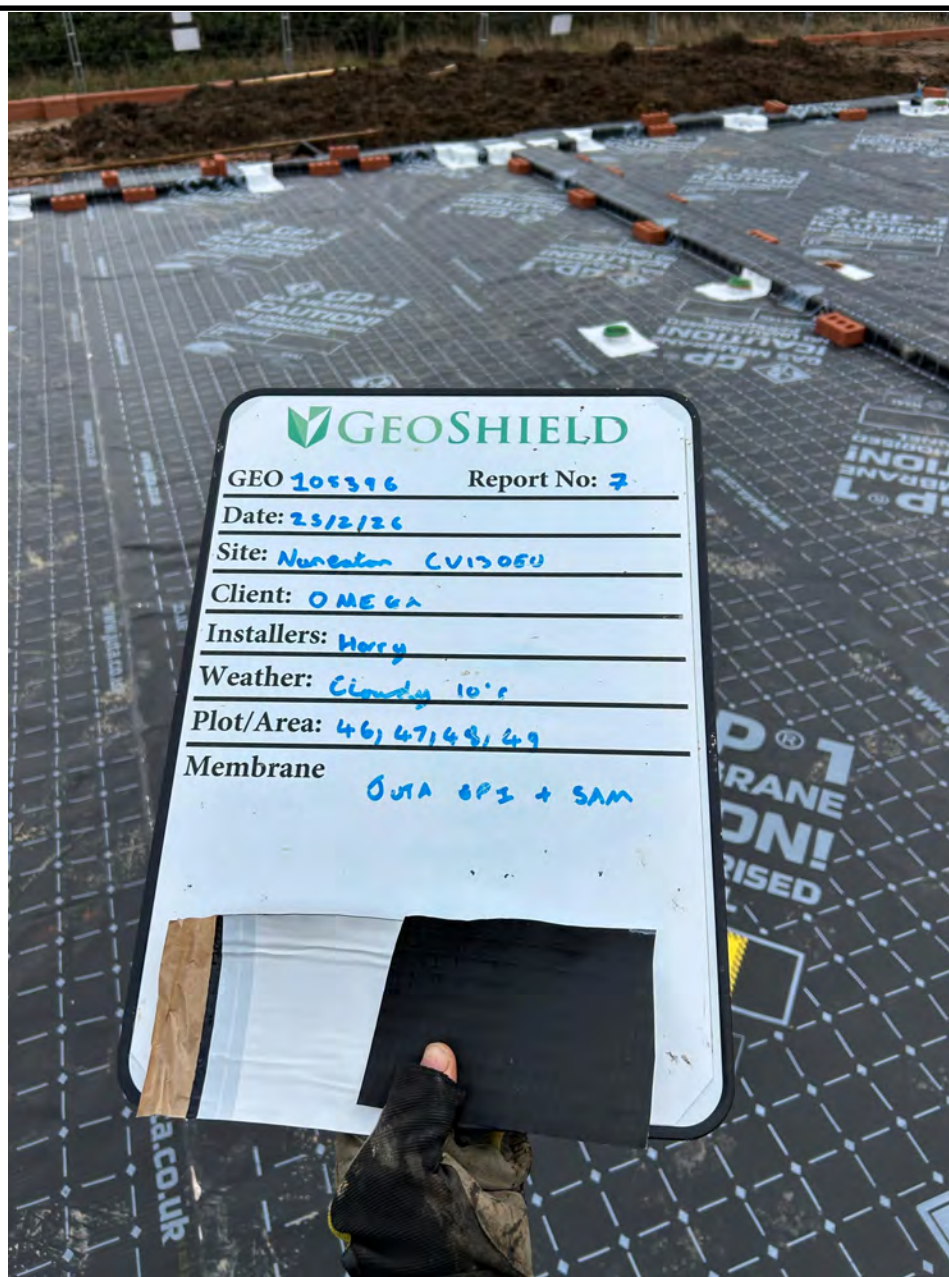
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VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The areas highlighted in red show Plots 46, 47, 48 & 49 where the verification inspection took place on site today.

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.

OVERVIEW



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VERIFICATION ITEM ONE

AREA INSPECTED: Plots 46, 47, 48 & 49 - Full Line Out

INSPECTION DETAILS: Installation of JUTA GP1 Gas Barrier



NOTES:

A complete line out of the JUTA GP1 Gas Barrier has been installed across the footprint of Plots 46, 47, 48 & 49, upon an insulated block and beam ventilated sub floor void. The JUTA GP1 Gas Barrier has been lined out across the entirety of the plots, including the internal party walls, ensuring it overlaps



NOTES:

the external cavity to the outer leaf brickwork. All lap joints between the adjacent sheets of JUTA GP1 Gas Barrier have been overlapped a minimum of 100mm, and heat welded using a hot air leister and silicone roller with adequate pressure applied to ensure a continuous gas resistant seal is achieved.

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VERIFICATION ITEM ONE



Thorough visual inspections, supported by non destructive air lance integrity testing and mechanical point stress testing conducted upon all overlaps, identified three miswelded lap joints which were successfully remediated.
Tested and verified in accordance with CIRIA 735.



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REMEDIATIONS

Faults Identified and Remediated



As mentioned, three miswelded lap joints were identified during the testing procedures conducted today. The faults were brought to the attention of the installers and remediated on site in the presence of GeoShield.



The faults were remediated by applying 150mm patches of JUTA GP SAM over the affected areas, with heat and rolled pressure applied to activate the bitumen backing. No further faults or defects were identified during the testing of the patch repairs.

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VERIFICATION ITEM TWO

AREA INSPECTED: Plots 46, 47, 48 & 49 - Full Line Out

INSPECTION DETAILS: Pipe Penetrations, Corners and Thresholds



NOTES:

Each corner and threshold junction has been reinforced by heating strips of JUTA GP SAM and placing them into position around each corner, onto the JUTA GP1 Gas Barrier. Firm rolled pressure is applied with a silicone roller to aid in the adhesion ensuring the JUTA GP SAM has fully bonded.



NOTES:

For the pipe penetrations, the installers have first cut the JUTA GP1 Gas Barrier tight around the base of each pipe penetration to minimise voided areas. Next, strips of JUTA GP SAM are placed intricately in a top hat formation around the pipe penetration and onto the JUTA GP1 Gas Barrier. Heat and rolled pressure is

VERIFICATION ITEM TWO



applied to activate the bitumen backing, creating a secure bond between the pipe penetration and the JUTA GP1 Gas Barrier. All pipe penetrations, corners and thresholds throughout were subjected to a thorough visual inspection, followed by mechanical point stress testing. No faults or defects were identified within the pipe penetrations, corners and thresholds during these testing procedures.



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ADDITIONAL PHOTOGRAPHS



An overview of a patch repair of JUTA GP SAM.



Misweld identified.



An overview of a periscopic vent connecting to an air brick.



GeoShield verification pre sign off notice for Plots 46, 47, 48 & 49.



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GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:
AIR LANCING:
DESTRUCTIVE:
INERT GAS TEST:
SMOKE TEST:

☒
☒
☐
☐
☐

DIELECTRIC:
OTHER (PLEASE SPECIFY):

☐
☐

Report No.	AREA INSPECTED	Y/N
001	Plots 1, 2, 3, 4, 35 & 36 - Full Line Out	☒
002	Plots 41 & 42 - Full Line Out	☒
003	Plots 37, 38, 39 & 40 - Full Line Out	☒
004	Plots 26, 27, 28, 29, 30, 31, 32, 33 & 34 - Full Line Out	☒
005	Plots 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 43.....	☒
	44 & 45 - Full Line Out	☒
006	Plots 8, 9, 10, 11, 50, 51, 52, 53, 54 & 55 - Full Line Out	☒
007	Plots 46, 47, 48 & 49 - Full Line Out	☒
		☐
		☐
		☐



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REMEDIATION LOG

[illegible]



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VERIFICATION SUMMARY

This was the seventh visit to the site where verification was required for the complete line out installation of the JUTA GP1 Gas Barrier to Plots 46, 47, 48 & 49.

All overlaps between the adjacent sheets of JUTA GP1 Gas Barrier have been welded using a hot air leister and silicone roller, creating continuous gas resistant seals throughout.

All details throughout the installation, such as pipe penetrations, thresholds and corners have been sealed using JUTA GP SAM, a self adhesive membrane which has been heated down to aid in the adherence.

Thorough visual inspections, supported by non destructive air lance integrity testing and mechanical point stress testing were conducted across all aspects of the installation. Three miswelds were identified and successfully remediated on site in the presence of GeoShield.

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

Is the project ready for handover?	No
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This was passed and verified in accordance with CIRIA 735 and installed to BS8485:2015+A1 2019.

GEOSHIELD SIGNATURE

DATE: 25-Feb-2026