



APPENDIX D

Gas Membrane Verification Report



Verification Certificate

Date: 14 November 2025

Adston UK Ltd

Lidl, Havant
Somborne Drive
Havant
PO9 5AN

Limited access to carry out verification of the Corden EPS Total Gas Barrier under the slab due to steel reinforcement and some areas poured prior to site visits.

The documentation in this handover package shows that the installation of the Gas Membrane and ancillaries was installed to specification.

Verified in accordance with BS 8485:2015+A1:2019 and CIRIA 735.

All areas were verified, and remediation issues corrected.



Paul Colbeck
Director of Site Services





GeoShield Verification Report 1



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Adam Oak

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07502343063

EMAIL ADDRESS:

a.oak@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior quantity surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	Cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Area as hashed black lines

SITE CONDITIONS:

WEATHER:

Dry

TEMPERATURE:

25°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

09:15 - 12:00

DATE:

18.06.2025

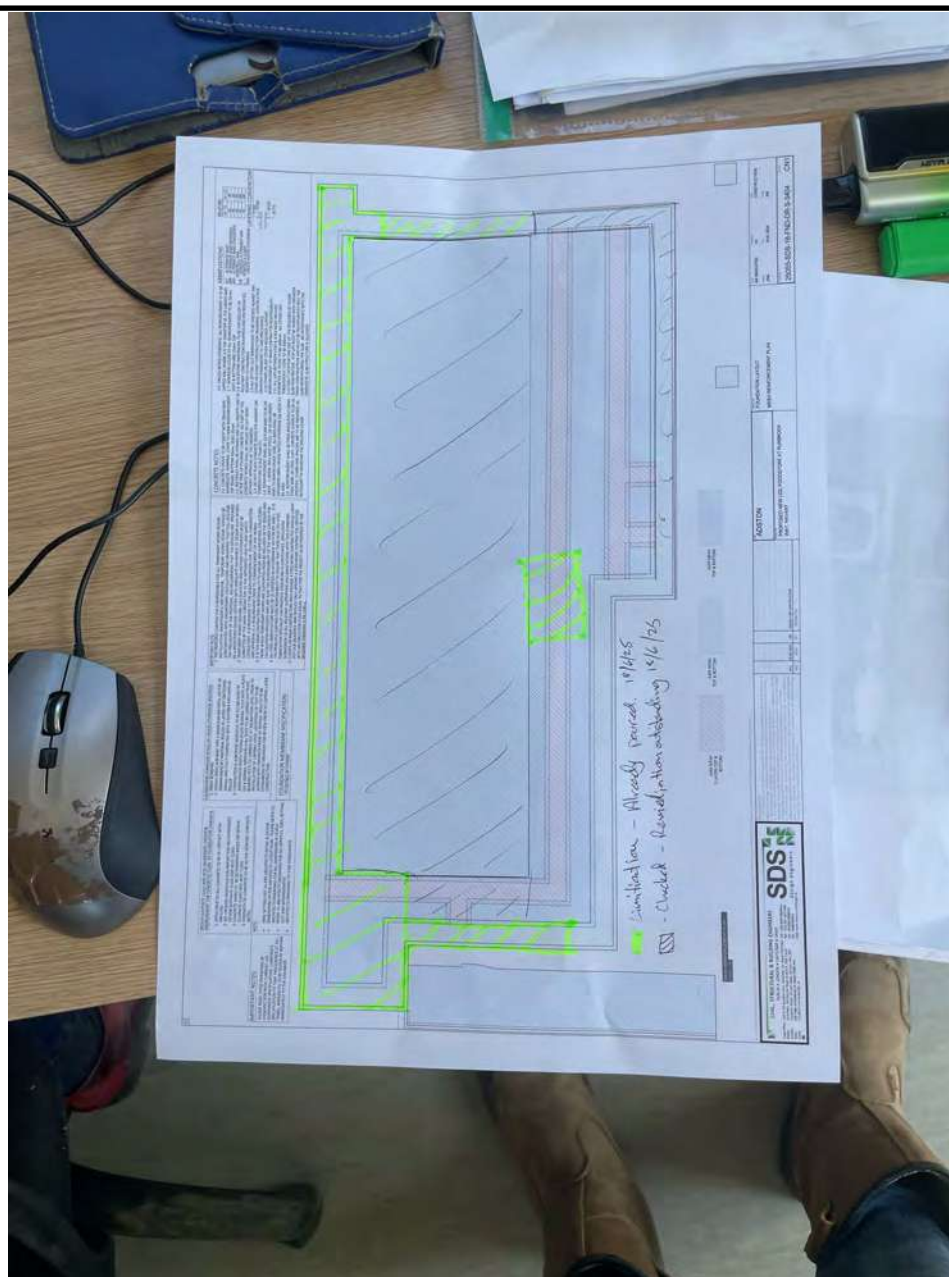
REPORT NUMBER:

01

ACCOMPANIED BY:

Mark - Adston

Verification Layout



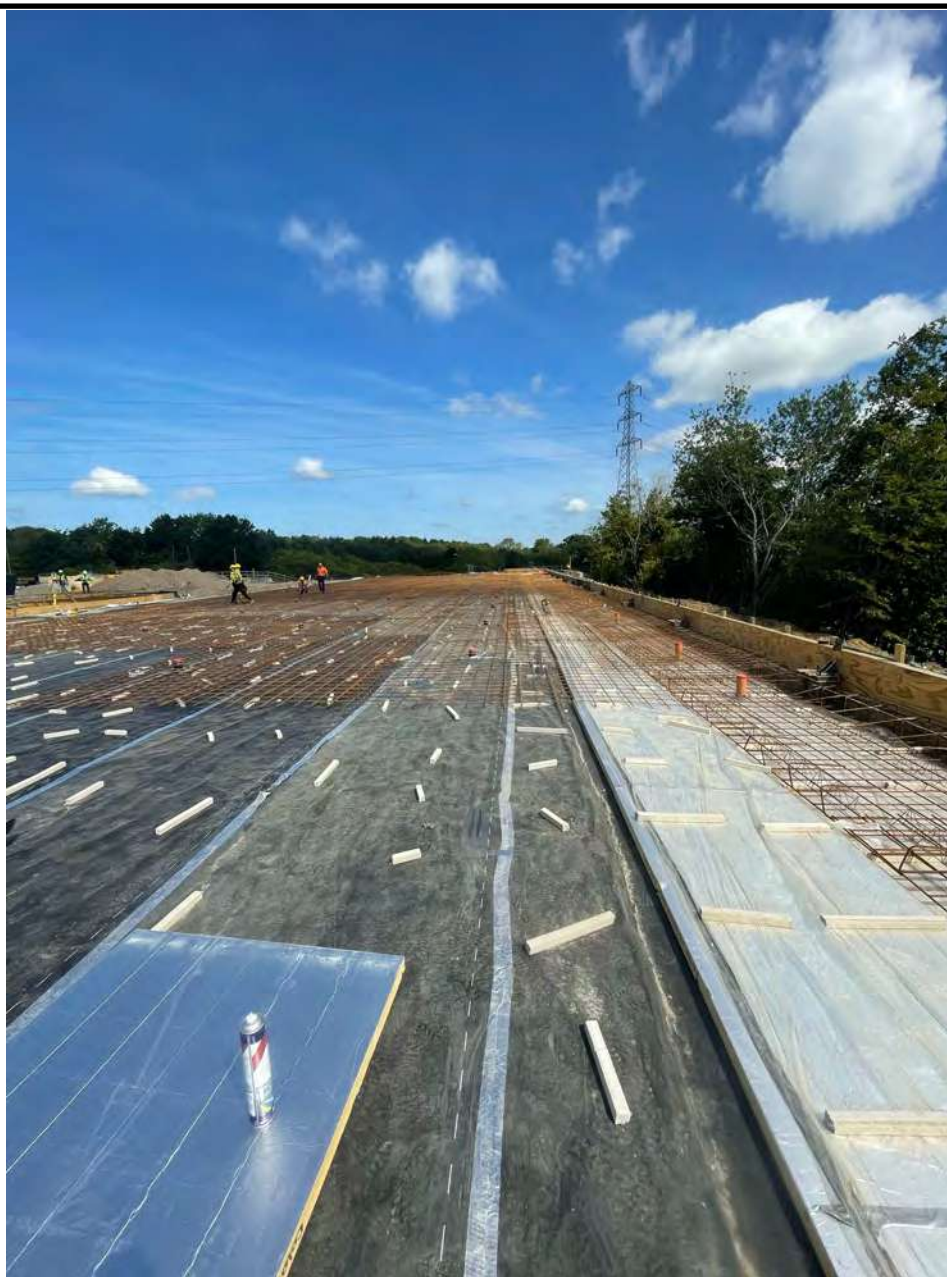
The photograph above shows a plan layout of the site. The area highlighted in black shows where the verification inspection took place on site today. However, the yellow highlighted area has already been poured.

OVERVIEW



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

OVERVIEW



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

GeoShield Verification Report

Limitation



As can be seen from the above image the areas of thickenings and approximately 30% of the perimeters have had concrete already poured. These have been shown as the highlighted yellow area on the layout drawing.



GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Hashed black line area



NOTES:

Today's verification visit was inspect the installation of the Corden EPS total gas barrier. Each lap has been sealed firstly with the Corden EPS double sided butyl tape, pressure has been applied to ensure a continuous seal has been achieved.



NOTES:

Further to this the installation team have then sealed each lap using the Corden EPS aluminium lap tape. Each lap was successfully sealed ensuring the continuity of the membrane.



GeoShield Verification Report



VERIFICATION ITEM TWO

LOCATION/GRID LINE: Hashed black line area

Pipe penetrations



NOTES:

As can be seen from the above photograph all the pipe penetration were firstly sealed using a cordon top hat preformed detail. Each top hat was sealed using the cord EPS double sided tape.



NOTES:

In addition to this or lapse were further sealed using the cordon EPS aluminium lap tape. A jubilee lip was then used to seal the top section to the pipe penetration however as no double sided tape was noted these pipe penetration is require remediation.



Area of perimeter that was inspected.



Photograph of mechanical stress point testing being carried out on site.



Additional overview photo.



Photograph of outstanding area that requires remediation, still will need to be removed prior to repair.



Additional photo of area where verification inspection took place.



Additional image of identified fault



Additional image of identified fault



Additional image of identified fault



GeoShield Verification Report



VERIFICATION SUMMARY

Today was the first verification visit to site, inspecting the corden gas barrier. All areas visible have had a thorough visual inspection backed with a mechanical stress point test, all laps have been sealed with the corden double sided butyl tape wother the lap then sealed with the corden lap tape.

All pipe penetrations have been sealed using the prefabricated top hats which have been sealed to the the Corden gas barrier however there is no double sided butyl tape sealing the top hats to the pipe, site have been made aware of the area and this will be rectified using the Corden GR SAM.

LIMITATION

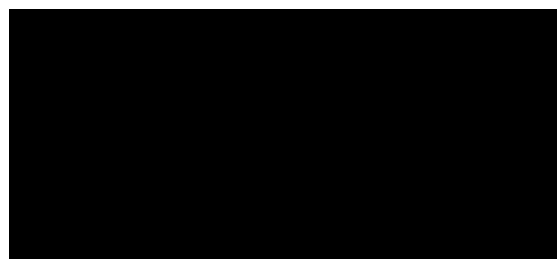
Some areas have already had concrete poured as highlighted in the drawing. All other areas as per the drawings have being verified and to a good standard of installation.

A total of 39 holes were identified during todays inspection which will require remediation, the further pipe penetrations and area to thickening will also require remediation prior to sign off.

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

GEOSHIELD SIGNATURE:

DATE: 18-Jun-2025





GeoShield Verification Report 2



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Adam Oak

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07502343063

EMAIL ADDRESS:

a.oak@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	Cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site Manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Area as hashed black lines

SITE CONDITIONS:

WEATHER:

Dry

TEMPERATURE:

23°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

07:15 - 09:45

DATE:

18.06.2025

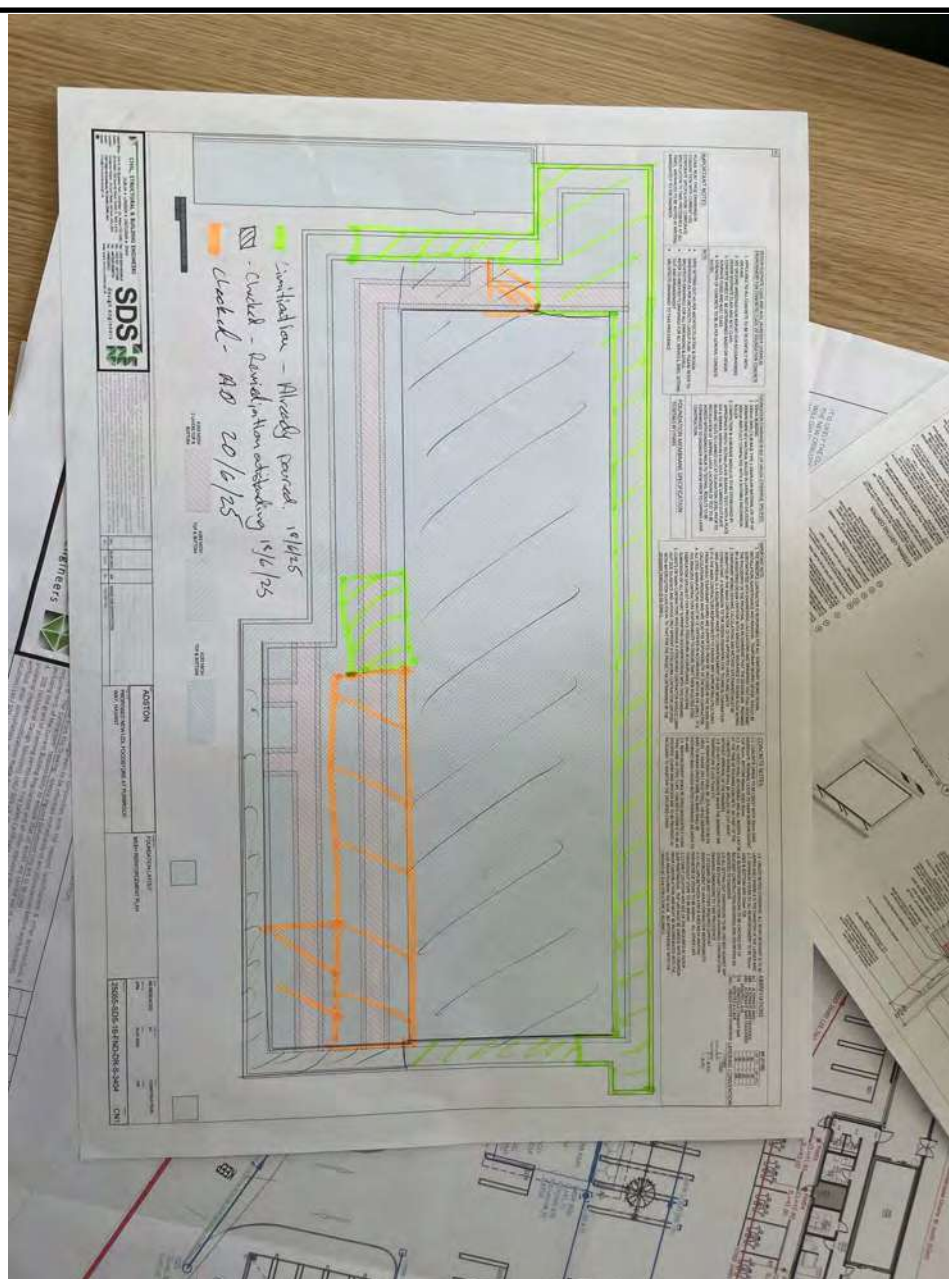
REPORT NUMBER:

02

ACCOMPANIED BY:

Mark - Adston

Verification Layout



The photograph above shows a plan layout of the site. The area highlighted in orange shows where the verification inspection took place on site today.

OVERVIEW



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

OVERVIEW



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

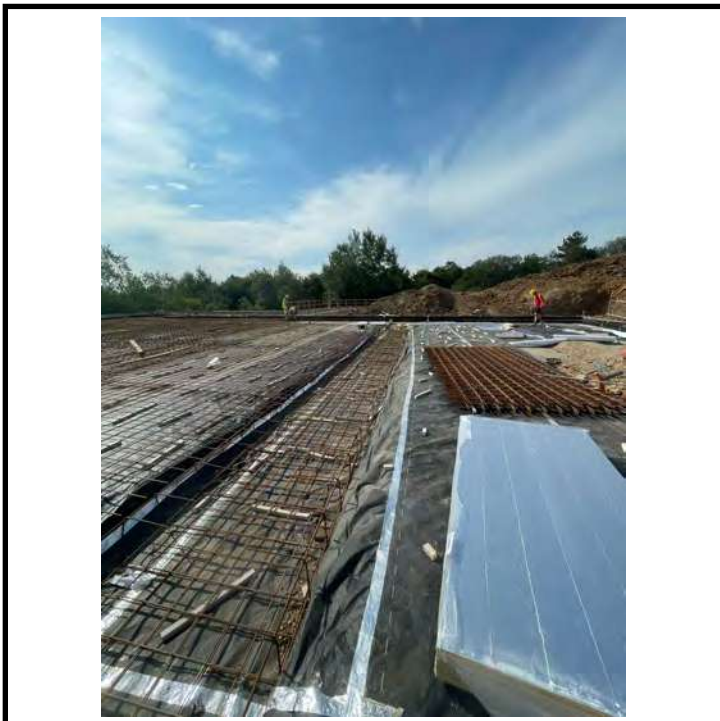


GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Orange highlighted area



NOTES:

Today's verification visit was inspect the installation of the Corden EPS total gas barrier. The Corden double sided butyl tape has been used to seal each lap.



NOTES:

Additionally the lap has then been further sealed using the Corden EPS lap tape. However whilst on site the installers ran out of the double sided butyl tape so had to halt the installation.

GeoShield Verification Report



VERIFICATION ITEM TWO

LOCATION/GRID LINE: Remediations to pipe penetrations



NOTES:

As can be seen from the above photograph the pipe penetrations which required outstanding remediations have been repaired for the exception of 8 which are still outstanding.



NOTES:

The installation team have sealed the remaining top section of the pipe penetrations using the Corden gas resistant self adhesive membrane.

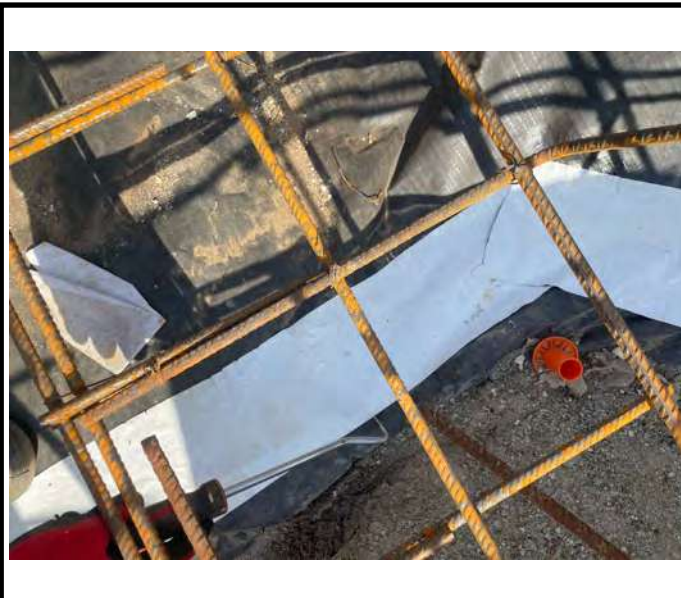


Photo of repair that was carried out to the thickening section which was outstanding from the previous visit.

Photo of repair that was carried out to the thickening section which was outstanding from the previous visit.

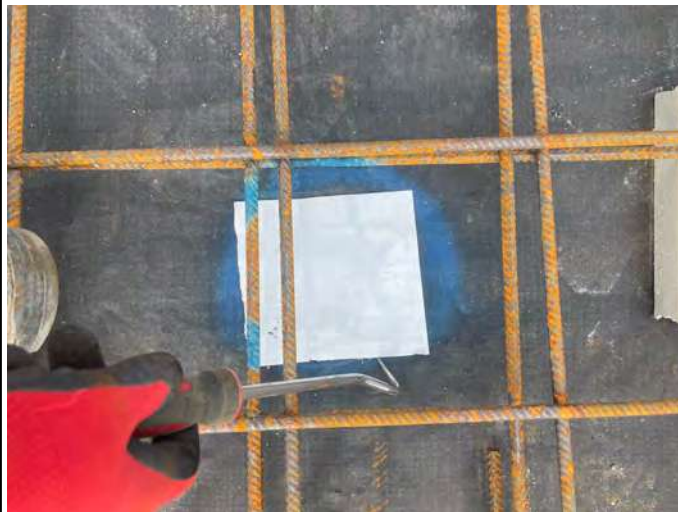


Additional photo of a mechanical stress point test being carried out to a sealed lap joint.

Additional photo of a mechanical stress point test being carried out to a sealed lap joint.



Additional photo of a patch repair using Corden GR Sam.



Additional photo of a patch repair using Corden GR Sam.



Additional photo of a patch repair using Corden GR Sam.



Additional photo of a patch repair using Corden GR Sam.



GeoShield Verification Report



VERIFICATION SUMMARY

Today was the second verification visit to site, inspecting the corden gas barrier. All areas within the highlighted orange area have had a thorough visual inspection backed with a mechanical stress point test, all laps have been sealed with the corden double sided butyl tape with the lap then sealed with the corden lap tape.

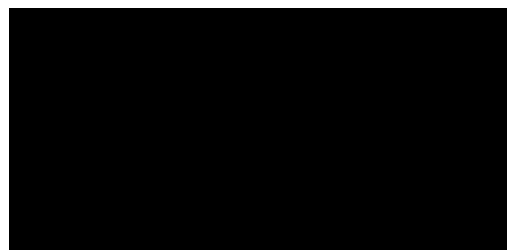
All outstanding pipe penetration is with the exception of eight have been sealed using the Corden GR Sam to be top section, 35 holes have been repaired using the Corden GR sam. Also the outstanding area within the thickening has been sealed using the cord GR Sam.

Due to the installation team running out of the cord double side of Buile tape no further verification could be carried out as the installation was halted. As not all of the outstanding remediations have been completed the black hashed section cannot yet be signed off.

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

GEOSHIELD SIGNATURE:

DATE: 20-Jun-2025





GeoShield Verification Report 3



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Adam Oak

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07502343063

EMAIL ADDRESS:

a.oak@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	Cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site Manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Yellow hashed area in plan

SITE CONDITIONS:

WEATHER:

Dry

TEMPERATURE:

22°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

09:00 - 12:30

DATE:

24.06.2025

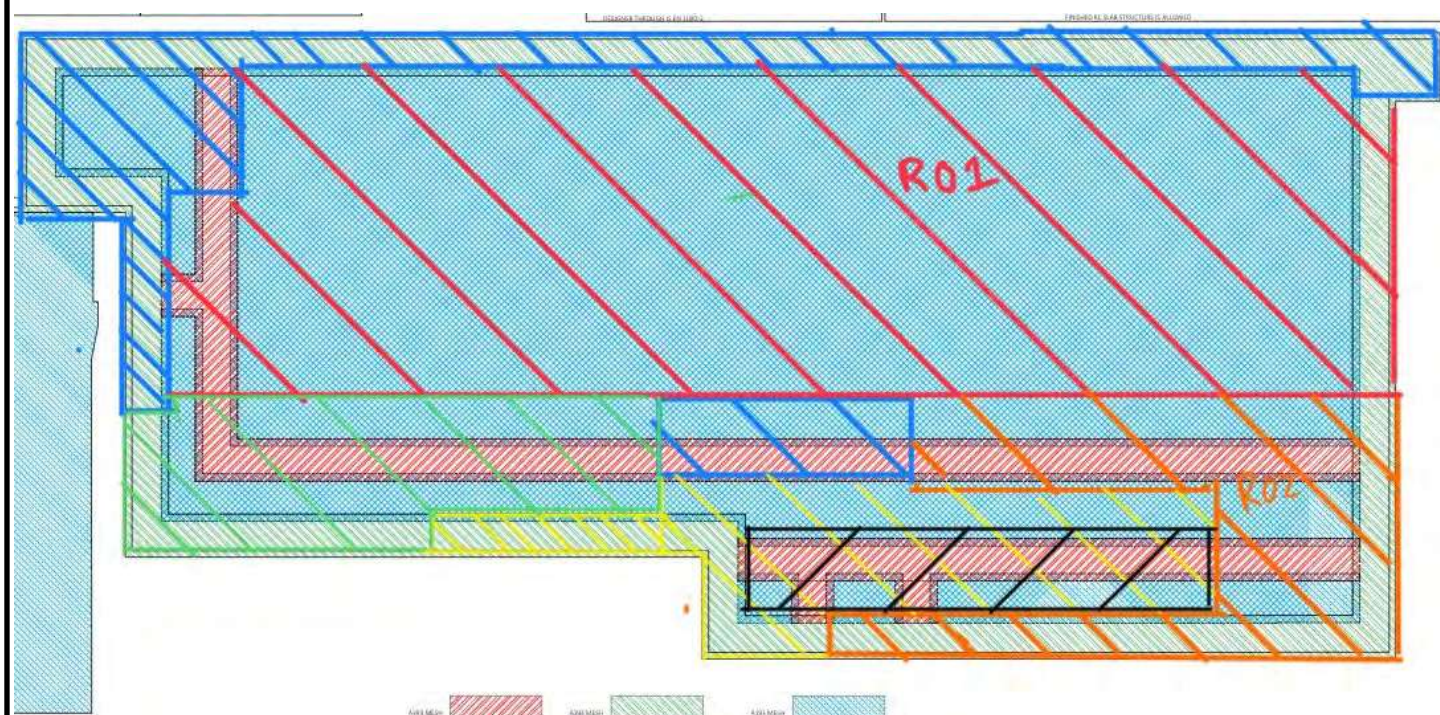
REPORT NUMBER:

03

ACCOMPANIED BY:

Mark - Adston

Verification Layout



The photograph above shows a plan layout of the site. The area highlighted in yellow shows where the verification inspection took place on site today.

Limitation



As can be seen from the above image there is an area outlined in black to the area inspected (yellow) which has been covered with insulation and steel reinforcement. Due to this being in place and unable to remove on site the client will need to provide photographic evidence of the membrane installation to this area.

OVERVIEW



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

OVERVIEW



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

GeoShield Verification Report



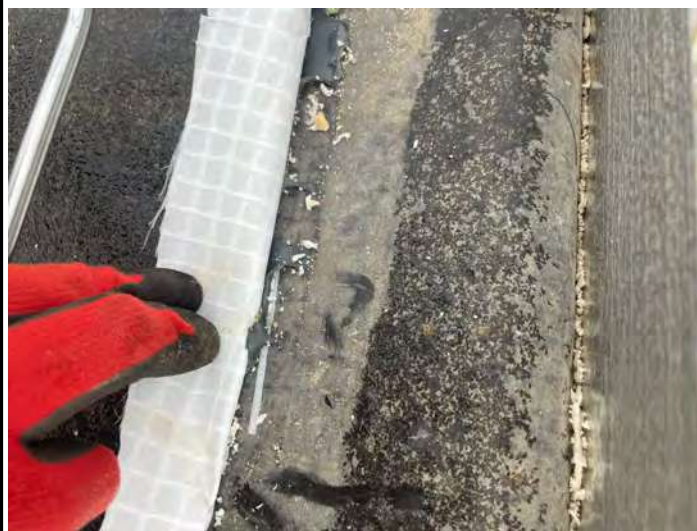
VERIFICATION ITEM ONE

LOCATION/GRID LINE: Yellow highlighted area



NOTES:

Today's verification visit was inspect the installation of the Corden EPS total gas barrier. To the area highlighted in yellow, The Corden double sided butyl tape has been used to seal each lap of the adjacent sheets of membrane.



NOTES:

As per the design this is has then been further sealed using the Corden EPS lap tape. A thorough visual inspection coinciding with a mechanical stress point test was carried out to available areas.



GeoShield Verification Report



VERIFICATION ITEM TWO

LOCATION/GRID LINE: Pipe penetrations



NOTES:

As can be seen from the above photograph the service entry points and pipe penetrations to the area have been successfully sealed.



NOTES:

All service ducts have been sealed using the Corden GR SAM which have been sealed creating a continuous system. Pipe penetrations have been sealed using a conjunction of the Corden pre formed top hats and Corden GR SAM.



Photo of the installation team carrying out the installation



Additional photo of the install progressing



Additional photo of a mechanical stress point test being carried out to a sealed to a repair.



Additional overview photo



Additional photo of per poured concrete perimeter sections



Additional photo of per poured concrete perimeter sections



Additional photo of per poured concrete perimeter sections



Additional photo of per poured concrete perimeter sections



GeoShield Verification Report



VERIFICATION SUMMARY

Today was the third verification visit to site, inspecting the corden gas barrier. All areas within the highlighted yellow area have had a thorough visual inspection backed with a mechanical stress point test, all laps have been sealed with the corden double sided butyl tape with the lap then sealed with the corden lap tape.

All pipe penetrations have been sealed using preformed top hats with the additional of Corden GR SAM.

3 faults were identified during inspection all of which were remediated on site.

limitations

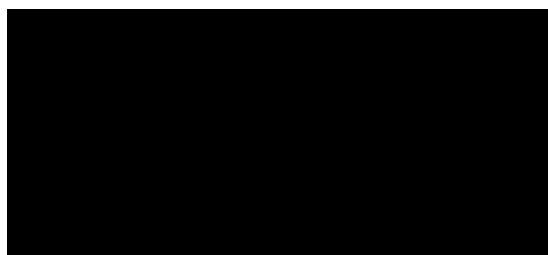
still awaiting photographic evidence from site with regards to the areas already having concrete poured and 8 outstanding pipe penetrations. We also require evidence of the black area within todays visit (in yellow) due to steel and insulation being in situ. The final small remaining area of the slab will also require photographic evidence provided by the client to complete sign off to the slab area.

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

GEOSHIELD SIGNATURE:

DATE:

24-Jun-2025





GeoShield Verification Report 4



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

SPECIFICATION: Verified in accordance CIRIA 735.

Design in accordance with BS8485 2015 + 2019 for Methane and Carbon Dioxide.

Substrate prepared in-accordance with manufactures instructions

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Adam Oak

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07502343063

EMAIL ADDRESS:

a.oak@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior quantity surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	Cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Outstanding areas to the slab

SITE CONDITIONS:

WEATHER:

Dry

TEMPERATURE:

20°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

07:30 - 09:30

DATE:

09.07.2025

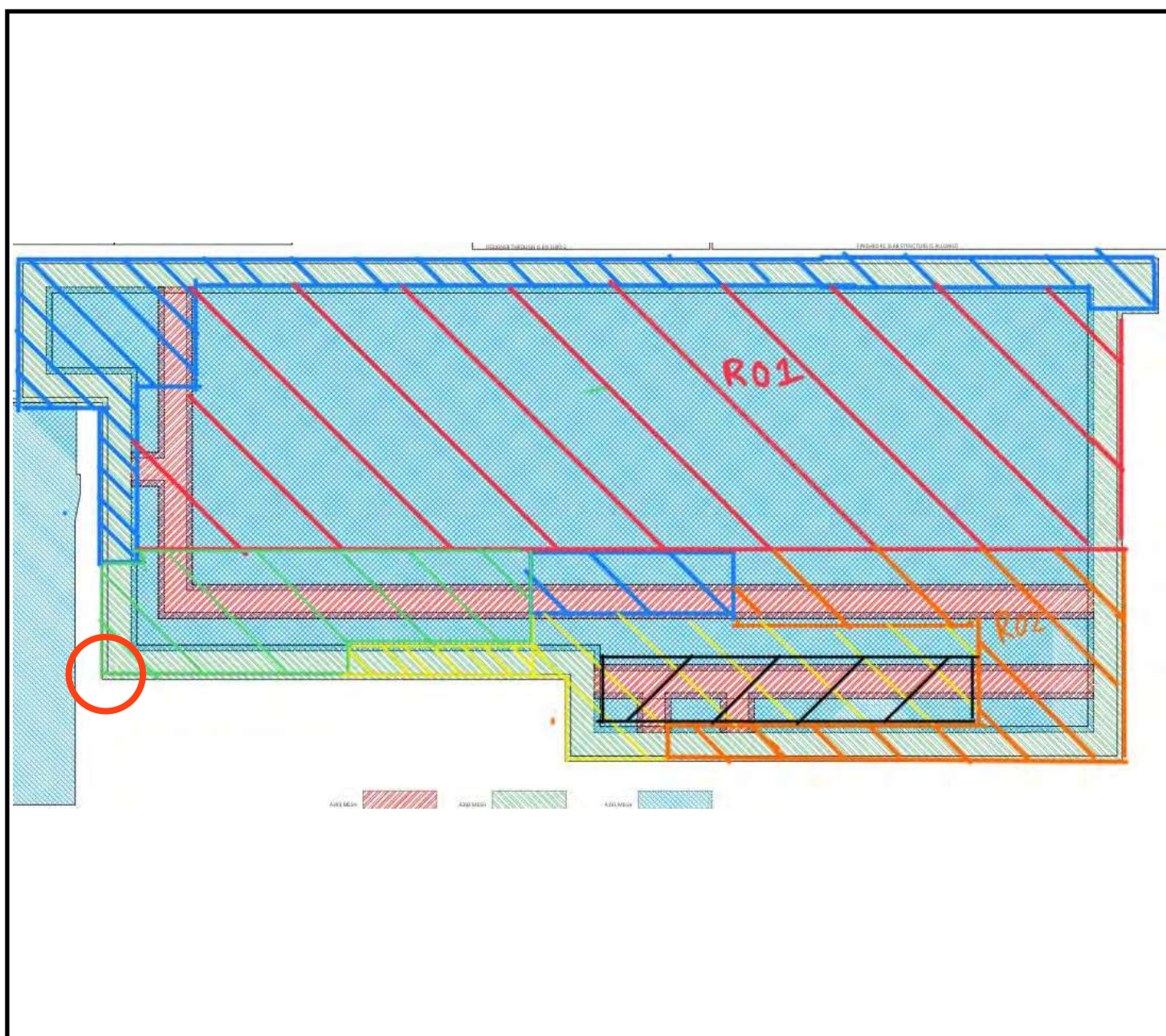
REPORT NUMBER:

04

ACCOMPANIED BY:

Mark - Adston

Verification Layout



The photograph above shows a plan layout of the site. All areas bar the corner of the green section have now had photographic evidence provided for the outstanding remediations

OVERVIEW



The photograph above shows overview of the area where today's verification inspection was due to take place. The plinth around the slab is still to be constructed and once completed the perimeter detail will be

OVERVIEW



The photograph above displays an additional overview of where the inspection was due to take place.

GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Outstanding pipe penetrations



NOTES:

As can be seen from the photographic evidence above provided the client all the outstanding pipe penetrations have been successfully sealed.



NOTES:

The team from AMN Civils insured each penetration has been sealed using either the pre-formed top hats or the Corden gas resistant self adhesive membrane.



Additional photograph supplied by the client



Additional photograph supplied by the client



Additional photograph supplied by the client



Additional photograph supplied by the client



Images of pre-poured concrete areas



Additional photo of pre poured concrete sections



Additional photo of pre poured concrete sections



Additional photo of pre poured concrete perimeter sections



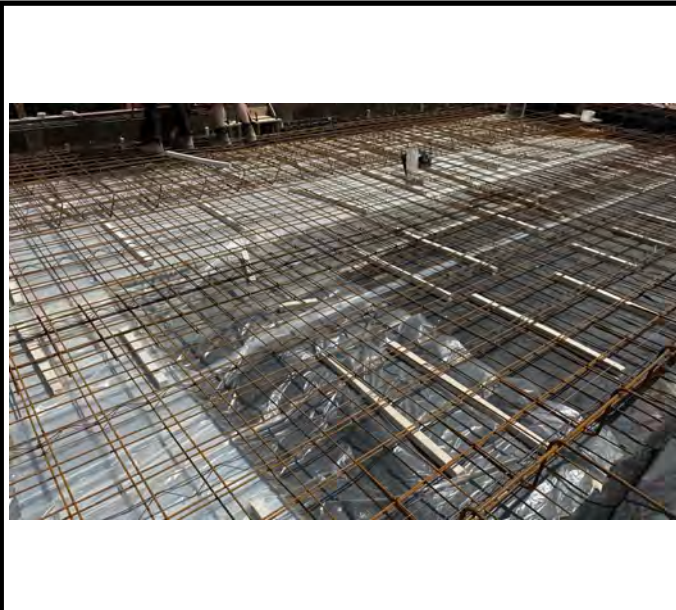
Images of the black and yellow sections



Images of the black and yellow sections



Images of the black and yellow sections



Images of the black and yellow sections

Outstanding Remediation



Corner of the green area that requires remediation due to steel beam no longer being extended.



GeoShield Verification Report



VERIFICATION SUMMARY

Today's was the fourth visit to site to inspect the perimeter detailing. However, a concrete plinth was still to be constructed in order to carry out the perimeter detail. The perimeter detail is to be sealed under the flashing to then create a continuous seal across the project. The client has provided photographs of the outstanding areas from previous reports enabling sign off to those areas.

The green section still requires a corner detail to be completed due to the concrete beam no longer being extended, once this is complete this section of the slab will then be signed off.

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

GEOSHIELD SIGNATURE:



DATE: 09-Jul-2025



GeoShield Verification Report 5



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Mark Chapman

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07387 373167

EMAIL ADDRESS:

mchapman@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME: Wayne

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Green Area - Repair Work

SITE CONDITIONS:

WEATHER:

Sunny

TEMPERATURE:

19°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

07:30 - 09:00

DATE:

12.09.2025

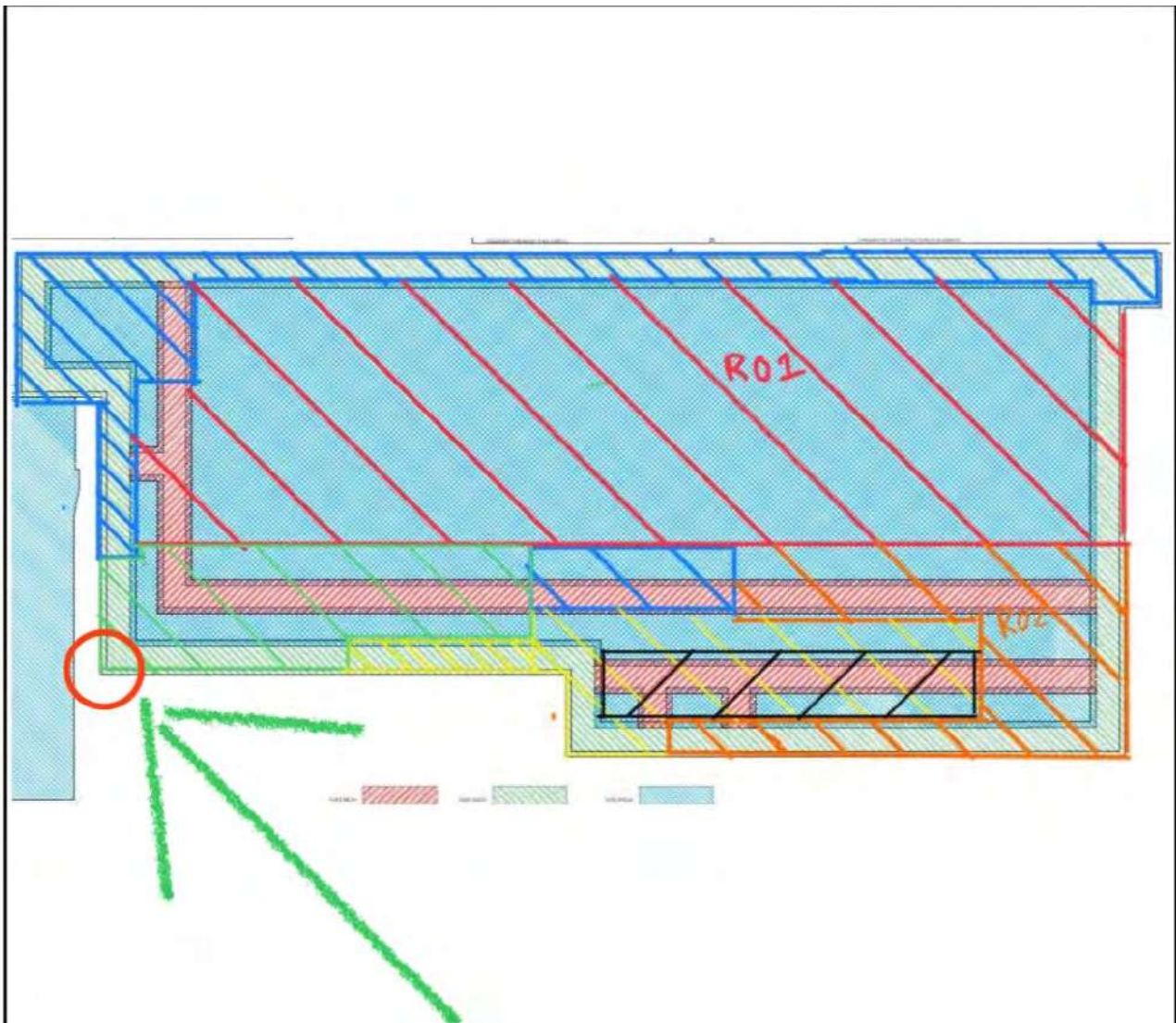
REPORT NUMBER:

005

ACCOMPANIED BY:

Wayne - Adston Construction

Verification Layout



The photograph above shows a plan layout of the site. The area circled in red shows the corner in the green section where repair work was carried out and where the verification inspection took place.



GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Green Area - Repair Works

Outstanding Works



NOTES:

The purpose of the verification visit was to inspect the corner area which had been sealed due to the steel beam no longer being extended.

The installers have repaired the area by placing numerous strips of Corden EPS GRM Self Adhesive Membrane around the corner area, onto the existing Corden EPS



NOTES:

Total Gas Barrier, as seen in the above images. Sufficient heat and firm rolled pressure have been applied to ensure that the Corden EPS GRM Self Adhesive Membrane has fully bonded and that a tight seal has been achieved throughout.

GeoShield Verification Report

VERIFICATION ITEM ONE



Thorough visual inspections, supported by mechanical point stress testing conducted upon all aspects of the repair work, identified no faults or defects. A complete adhesion of the Corden EPS GRM Self Adhesive Membrane has been achieved.
Tested and verified in accordance with CIRIA 735.



Strips of Corden EPS GRM Self Adhesive Membrane applied around the corner to seal the area.



A mechanical point stress test being conducted upon the Corden EPS GRM Self Adhesive Membrane.



Strips of Corden EPS GRM Self Adhesive Membrane applied around the corner to seal the area.



As can be seen in the image above the perimeter edge detailing is still to be completed.



GEOSHIELD Verification Report



REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
18/06/2025	001	A total of 39 holes require remediation	✓
		9 x outstanding pipe penetrations	✓
		Awaiting photographs from client for outstanding blue section	✓
20/06/2025	002	Awaiting photographs from client for hashed black area in yellow.	✓
24/06/2025	03	Awaiting photographs from client for outstanding green area	✓
09/07/2025	004	Awaiting photographs from client for beam in green area circled in	✓
		red.	✓
12/09/2025	005	The remedial work to the corner within the green area has been	✓
		completed & verified.	✓
		Perimeter edge detailing still to be completed.	



GeoShield Verification Report



GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:	☒	SMOKE TEST:	☐
AIR LANCING:	☐	DILECTIC:	☐
DESTRUCTIVE:	☐	OTHER:	☐
INERT GAS TEST:	☐	SPECIFY:	<div></div>
			<div></div>
Testing checklist attached:		<div>YES</div>	<div>☐</div>
		<div>NO</div>	<div>☒</div>

Gridline/Plot Sign off

Gridline/Plot Sign off	Area highlighted in Red	☒
Gridline/Plot Sign off	Area highlighted in orange	☒
Gridline/Plot Sign off	Area highlighted in yellow	☒
Gridline/Plot Sign off	Area highlighted in Blue	☒
Gridline/Plot Sign off	Area highlighted in black	☒
Gridline/Plot Sign off	Area highlighted in green	☒
Gridline/Plot Sign off	Perimeter edge detailing	☐
Gridline/Plot Sign off		☐
Gridline/Plot Sign off		☐
Gridline/Plot Sign off		☐
Gridline/Plot Sign off		☐



GeoShield Verification Report



VERIFICATION SUMMARY

This was the fifth and final visit to the site where verification was required for the repair work to the corner section within the green area, outstanding from the previous verification visit due to the steel beam no longer being extended.

The lap joints between the adjacent sheets of Corden EPS Total Gas Barrier have been overlapped a minimum of 100mm and heat welded using strips of Corden EPS GRM Self Adhesive Membrane. Sufficient heat and rolled pressure have been applied to the tapes to ensure a continuous gas resistant seal is achieved.

Thorough visual inspections, supported by mechanical point stress testing conducted upon all aspects of the installation, identified no faults or defects.

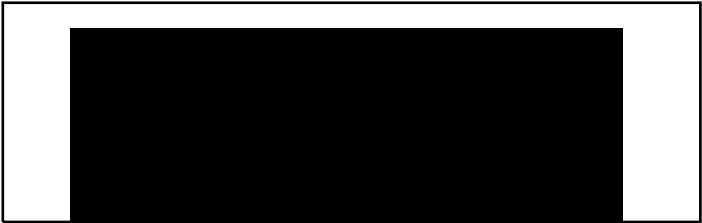
Perimeter edge detailing is still outstanding.

Is the project ready for handover?	No
------------------------------------	----

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

GEOSHIELD SIGNATURE

DATE: 12-Sep-2025





GeoShield Verification Report 6



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Lee Adams

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07795 994117

EMAIL ADDRESS:

leeadams@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	cbrides@adstonconstruction.com

CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME: Jack Thomson

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Perimeter Detailing

SITE CONDITIONS:

WEATHER:

Cloudy

TEMPERATURE:

12°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

10:00 - 11:30

DATE:

22.10.2025

REPORT NUMBER:

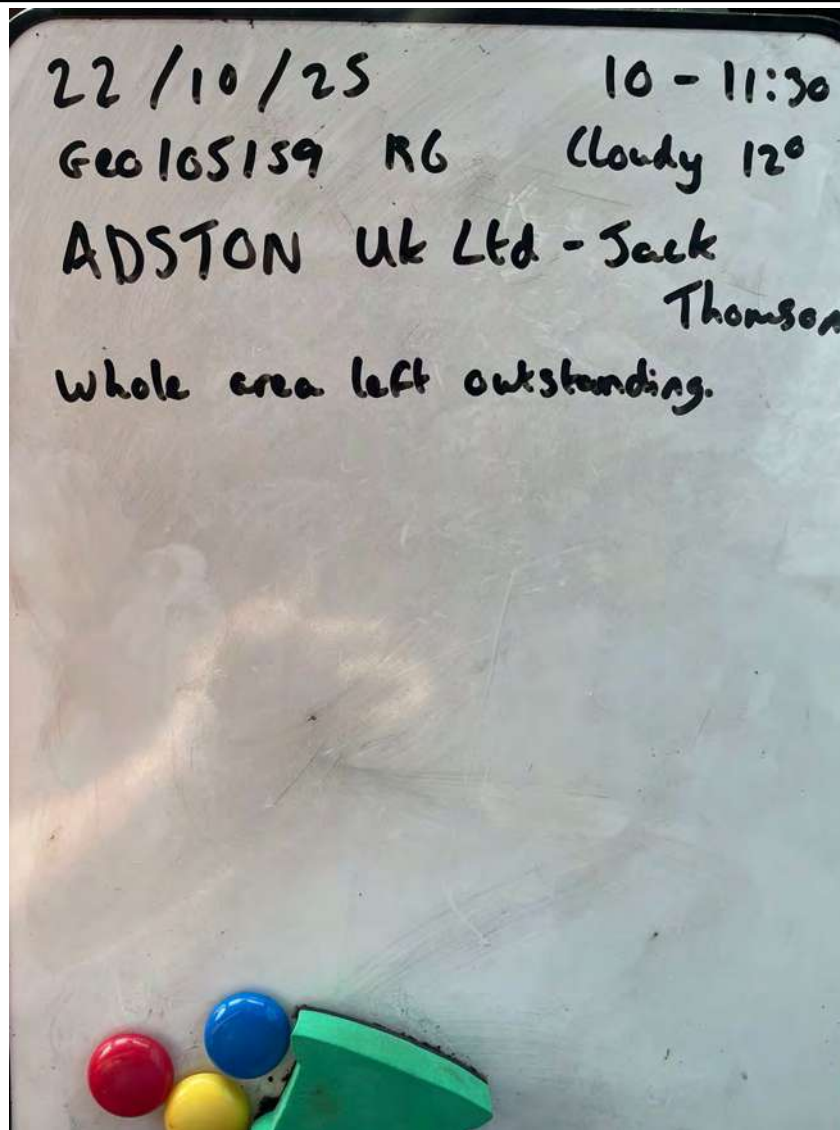
006

ACCOMPANIED BY:

Adston Construction

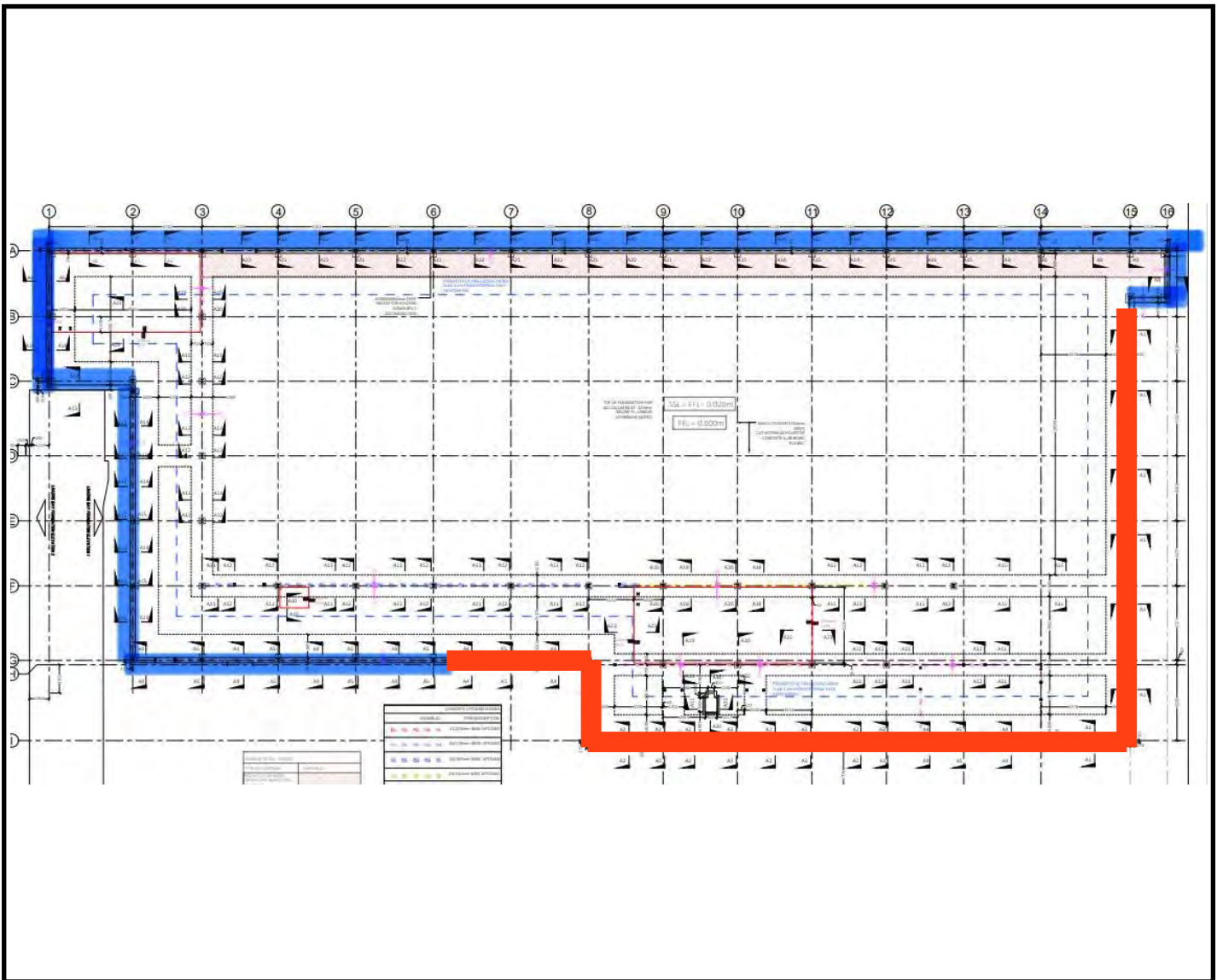
GeoShield Verification Report

VERIFICATION INSPECTION INFORMATION



The image above provides details of today's verification inspection visit to site, including the gas membrane(s) used for the installation.

VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The areas highlighted in blue show all accessible areas around the perimeter. The areas highlighted in red show areas that were covered and therefore, could not be inspected. It has been recommended that these areas are uncovered in order that a full inspection can be conducted by GeoShield during the next verification visit.

OVERVIEW



The photograph above shows overview of the perimeter area where today's verification inspection took place.

OVERVIEW



The photograph above shows overview of the perimeter area where today's verification inspection took place.

OVERVIEW



The photograph above shows overview of the perimeter area where today's verification inspection took place.

GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Perimeter Detailing

Installation - Failed Verification



NOTES:

The purpose of the verification visit was to inspect the majority of the perimeter detailing carried out around the building. The entire perimeter that is accessible has been left outstanding due to the dual taped system not being in place correctly. The double sided butyl tape beneath the overlaps between the adjacent sheets of



NOTES:

membrane was not in a continuous length, with gaps left in areas where gases could escape. The width of double sided butyl tape was also not sufficient. No foil lap tape was used on the top of the lap joints. The lap joints have not been sealed in accordance with manufacturer's specifications and design details issued.

GeoShield Verification Report

VERIFICATION ITEM ONE



The pipe penetrations present around the accessible perimeter areas have not been sealed correctly. These have been sealed with double sided butyl tape and there were also a number of holes and defects that have been repaired using double sided butyl tape, which is not sufficient. It has been recommended to acquire and install the Corden EPS GRM Self Adhesive Membrane to any holes or defects around the perimeter. A further verification is required prior to sign off of the perimeter being achieved.



Insufficient installation to the perimeter due to the dual taped system not being correctly implemented.



Insufficient installation to the perimeter due to the dual taped system not being correctly implemented.



Insufficient installation to the perimeter due to the dual taped system not being correctly implemented.



Insufficient installation to the perimeter due to the dual taped system not being correctly implemented.



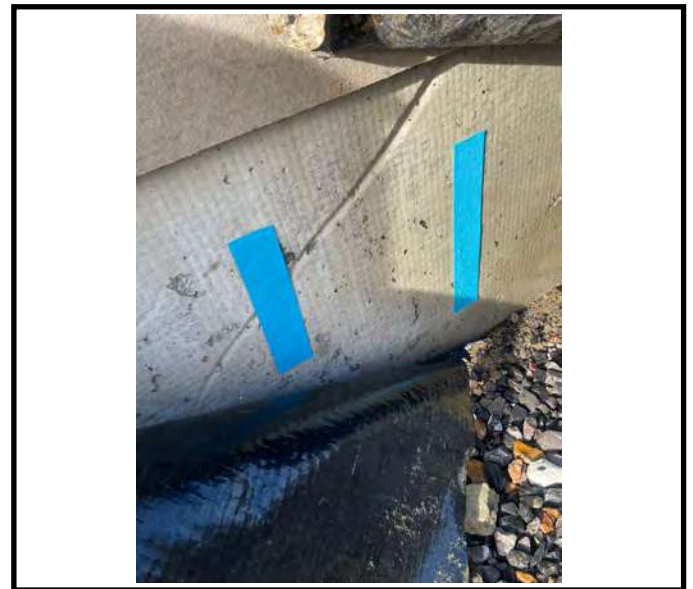
GeoShield Verification Report



ADDITIONAL PHOTOGRAPHS



A pipe penetration incorrectly sealed with double sided butyl tape.



Holes and defects incorrectly sealed with double sided butyl tape.



Holes and defects incorrectly sealed with double sided butyl tape.



Holes and defects were incorrectly sealed with double sided butyl tape.



GEOSHIELD Verification Report



REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
18/06/2025	001	A total of 39 holes require remediation	✓
		9 x outstanding pipe penetrations	✓
		Awaiting photographs from client for outstanding blue section	✓
20/06/2025	002	Awaiting photographs from client for hashed black area in yellow.	✓
24/06/2025	03	Awaiting photographs from client for outstanding green area	✓
09/07/2025	004	Awaiting photographs from client for beam in green area circled in	✓
		red.	✓
12/09/2025	005	The remedial work to the corner within the green area has been	✓
		completed & verified.	✓
22/10/2025	006	Perimeter detailing incorrectly completed. The majority of the	
		perimeter has not been verified due to a dual taped system not	
		being achieved. All holes and defects have been sealed using	
		double sided butyl tape and the double sided butyl tape beneath	
		lap joints has been installed with gaps. No foil tapes used to over-	
		tape the lap joints. All to be corrected before perimeters signed off.	



GeoShield Verification Report



GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:	☒	SMOKE TEST:	☐
AIR LANCING:	☐	DILECTIC:	☐
DESTRUCTIVE:	☐	OTHER:	☐
INERT GAS TEST:	☐	SPECIFY:	<input type="text"/>
			<input type="text"/>
Testing checklist attached:		☐ YES	☐ NO ☒

Gridline/Plot Sign off

Gridline/Plot Sign off	Area highlighted in Red	☒
Gridline/Plot Sign off	Area highlighted in orange	☒
Gridline/Plot Sign off	Area highlighted in yellow	☒
Gridline/Plot Sign off	Area highlighted in Blue	☒
Gridline/Plot Sign off	Area highlighted in black	☒
Gridline/Plot Sign off	Area highlighted in green	☒
Gridline/Plot Sign off	Perimeter Detailing (see site mark up)	☐
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐



GeoShield Verification Report



VERIFICATION SUMMARY

This was the sixth visit to the site where verification was required for the perimeter detailing.

The double sided butyl tape beneath the overlaps between the adjacent sheets of membrane was not in a continuous length, with gaps left in areas where gases could escape. The width of double sided butyl tape was also not sufficient. No foil lap tape was used on the top of the lap joints. The lap joints have not been sealed in accordance with manufacturer's specifications and design details issued.

The pipe penetrations present around the accessible perimeter areas have not been sealed correctly. These have been sealed with double sided butyl tape and there were also a number of holes and defects that have been repaired using double sided butyl tape, which is not sufficient. It has been recommended to acquire and install the Corden EPS GRM Self Adhesive Membrane to any holes or defects around the perimeter.

Sections of the perimeters were covered and therefore, could not be inspected. It has been recommended that these areas are uncovered in order that a full inspection can be conducted by GeoShield during the next verification visit.

A further verification is required prior to sign off of the perimeter being achieved.

Is the project ready for handover?	No
------------------------------------	----

This was tested in accordance with CIRIA 735.

GEOSHIELD SIGNATURE



DATE: 22-Oct-2025



GeoShield Verification Report 7



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Mark Chapman

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07387 373167

EMAIL ADDRESS:

mchapman@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	cbrides@adstonconstruction.com

CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Perimeter Detailing

SITE CONDITIONS:

WEATHER:

Overcast

TEMPERATURE:

17°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

08:00 - 09:00

DATE:

05.11.2025

REPORT NUMBER:

007

ACCOMPANIED BY:

Adston Construction



GeoShield Verification Report

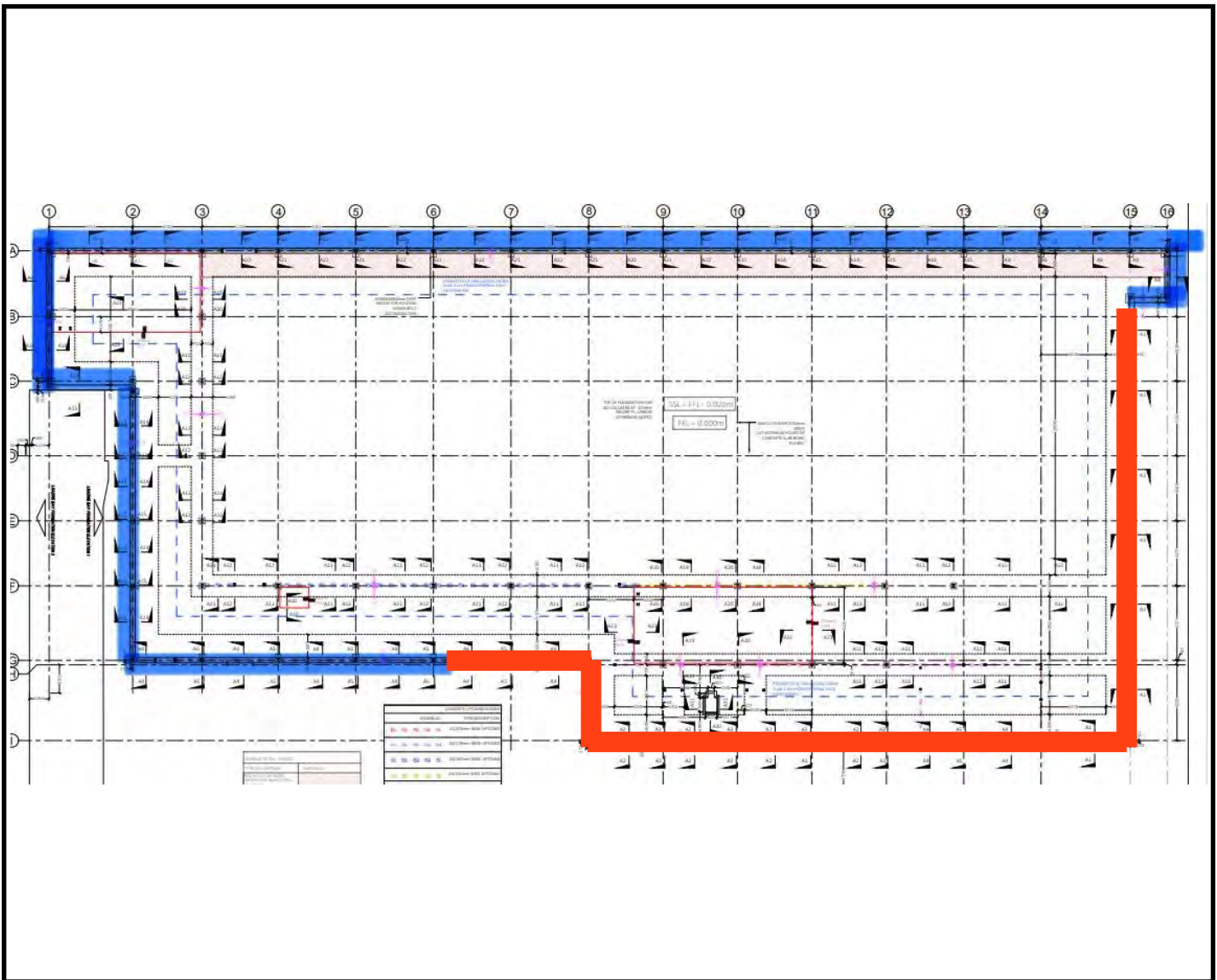


VERIFICATION INSPECTION INFORMATION

GEO: 105159
INSTALLER: ADSTON UK
REPORT NO: 07
SITE: HAVANT LIDL
PLOT-/BLOCK: LIDL HAVANT
TEMP: 17C
OVERCAST
TIME: 08:00/09:00
DATE: 05/11/25

The image above provides details of today's verification inspection visit to site, including the gas membrane(s) used for the installation.

VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The areas highlighted in blue show all accessible areas around the perimeter. The areas highlighted in red show areas that were covered and therefore, could not be inspected. It has been recommended that these areas are uncovered in order that a full inspection can be conducted by GeoShield during the next verification visit.

OVERVIEW



The photograph above shows overview of the perimeter area where today's verification inspection took place.



GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Perimeter Detailing

Installation - Failed Verification



NOTES:

The purpose of the verification visit was to inspect the majority of the perimeter detailing carried out around the building. The entire perimeter that is accessible has been left outstanding due to the dual taped system not being in place correctly. The double sided butyl tape beneath the overlaps between the adjacent sheets of



NOTES:

membrane was not in a continuous length, with gaps left in areas where gases could escape. The width of double sided butyl tape was also not sufficient. No foil lap tape was used on the top of the lap joints. The lap joints have not been sealed in accordance with manufacturer's specifications and design details issued.

GeoShield Verification Report

VERIFICATION ITEM ONE



The pipe penetrations present around the accessible perimeter areas have not been sealed correctly. These have been sealed with double sided butyl tape and there were also a number of holes and defects that have been repaired using double sided butyl tape, which is not sufficient. It has been recommended to acquire and install the Corden EPS GRM Self Adhesive Membrane to any holes or defects around the perimeter. A further verification is required prior to sign off of the perimeter being achieved.



Insufficient installation to the perimeter due to pipe penetrations sealed incorrectly.



The tapes have not correctly adhered to the membrane.



Several areas of damage identified.



The tapes have not correctly adhered to the membrane.



GEOSHIELD

Verification Report



REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
18/06/2025	001	A total of 39 holes require remediation	✓
		9 x outstanding pipe penetrations	✓
		Awaiting photographs from client for outstanding blue section	✓
20/06/2025	002	Awaiting photographs from client for hashed black area in yellow.	✓
24/06/2025	03	Awaiting photographs from client for outstanding green area	✓
09/07/2025	004	Awaiting photographs from client for beam in green area circled in	✓
		red.	✓
12/09/2025	005	The remedial work to the corner within the green area has been	✓
		completed & verified.	✓
22/10/2025	006	Perimeter detailing incorrectly completed. The majority of the	
		perimeter has not been verified due to a dual taped system not	
		being achieved. All holes and defects have been sealed using	
		double sided butyl tape and the double sided butyl tape beneath	
		lap joints has been installed with gaps. No foil tapes used to over-	
		tape the lap joints. All to be corrected before perimeters signed off.	



GeoShield Verification Report



GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:	☒	SMOKE TEST:	☐
AIR LANCING:	☐	DILECTIC:	☐
DESTRUCTIVE:	☐	OTHER:	☐
INERT GAS TEST:	☐	SPECIFY:	<input type="text"/>
			<input type="text"/>
Testing checklist attached:		☐ YES	☐ NO ☒

Gridline/Plot Sign off

Gridline/Plot Sign off	Area highlighted in Red	☒
Gridline/Plot Sign off	Area highlighted in orange	☒
Gridline/Plot Sign off	Area highlighted in yellow	☒
Gridline/Plot Sign off	Area highlighted in Blue	☒
Gridline/Plot Sign off	Area highlighted in black	☒
Gridline/Plot Sign off	Area highlighted in green	☒
Gridline/Plot Sign off	Perimeter Detailing (see site mark up)	☐
Gridline/Plot Sign off	Perimeter Detailing (see site mark up)	☐
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐



GeoShield Verification Report



VERIFICATION SUMMARY

This was the seventh visit to the site where verification was required for further sections of the perimeter.

GeoShield have been unable to sign off any sections of the perimeter due to the same issues as the previous verification inspection. The double sided butyl tape beneath the overlaps between the adjacent sheets of membrane was not in a continuous length, with gaps left in areas where gases could escape.

The width of double sided butyl tape was not sufficient and no foil lap tape was used on the top of the lap joints. The lap joints have not been sealed in accordance with manufacturer's specifications and design details issued.

The pipe penetrations present around the accessible perimeter areas have not been sealed correctly. These have been sealed with double sided butyl tape and there were also a number of holes and defects that have been repaired using double sided butyl tape, which is not sufficient.

It has been recommended to use a specialist gas membrane installation team to carry out any future works.

A further verification is required prior to sign off of the perimeter being achieved.

Is the project ready for handover?	No
------------------------------------	----

This was tested in accordance with CIRIA 735.

GEOSHIELD SIGNATURE

DATE: 05-Nov-2025





GeoShield Verification Report 8



PROJECT REFERENCE: GEO105159

PROJECT: Lidl, Havant

PROJECT ADDRESS: Lidl, Havant, PO9 3QJ

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

Corden EPS lap tape

Corden EPS total gas barrier

Corden EPS double sided butyl tape

Corden EPS GRM self Adhesive



GeoShield Verification Report



NAME OF SURVEYOR:

Lee Adams

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

07795 994117

EMAIL ADDRESS:

leeadams@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:



NO:



PROJECT:

YES:



NO:





GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Comrades Brides
CONTACTS ROLE:	Senior Quantity Surveyor
MOBILE PHONE:	
EMAIL ADDRESS:	cbrides@adstonconstruction.com



CLIENT CONTACT:	Mark
CONTACTS ROLE:	Site manager
MOBILE PHONE:	07979020574
EMAIL ADDRESS	
NOTES:	



GeoShield Verification Report



APPLICATOR'S DETAILS

APPLICATOR NAME: Jack Thompson

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY: Adston Construction

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



GeoShield Verification Report



AREA SURVEYED:

Perimeter Detailing - 100% (including outstanding remedial work)

SITE CONDITIONS:

WEATHER:

Overcast

TEMPERATURE:

14°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

09:30 - 10:30

DATE:

11.11.2025

REPORT NUMBER:

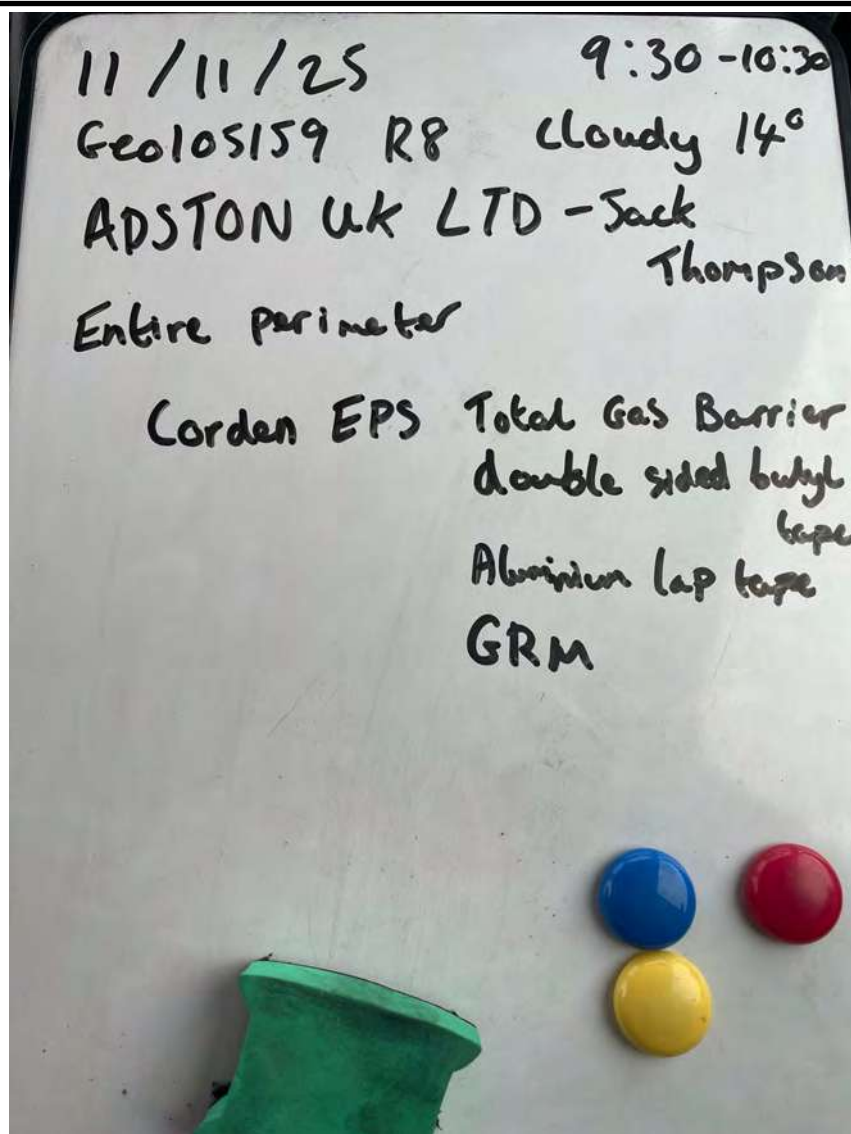
008

ACCOMPANIED BY:

Adston Construction

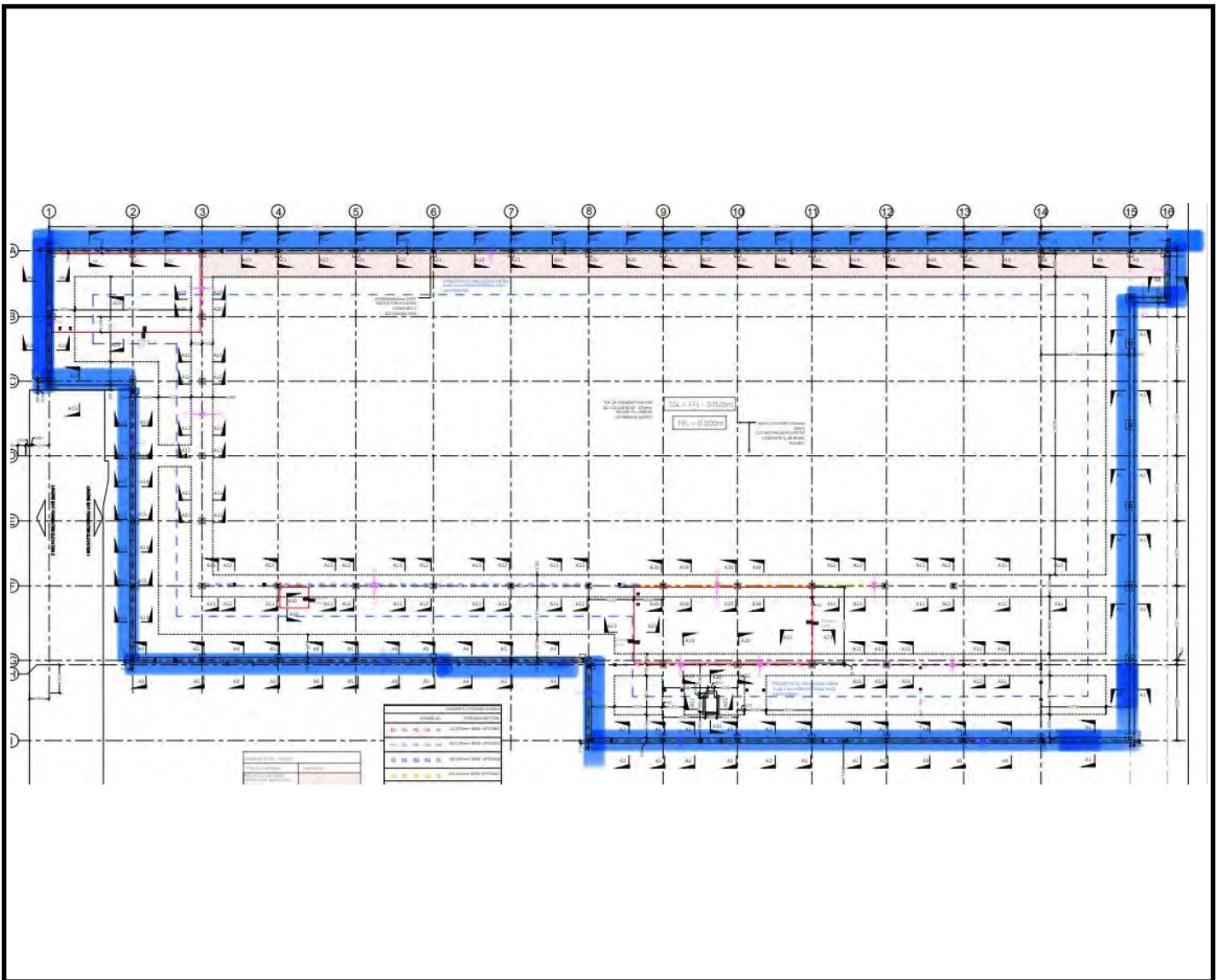
GeoShield Verification Report

VERIFICATION INSPECTION INFORMATION



The image above provides details of today's verification inspection visit to site, including the gas membrane(s) used for the installation.

VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The areas highlighted in blue show the perimeter where the verification inspection took place. All areas that were previously inaccessible around the perimeters have been exposed in order that remedial work could be conducted and a further verification inspection undertaken.



GeoShield Verification Report



OVERVIEW



The photograph above shows overview of the entire building where today's verification inspection to the perimeters took place.

GeoShield Verification Report



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Perimeter Detailing - 100%

Installation of Corden EPS Total Gas Barrier



NOTES:

The purpose of the verification visit was to inspect the entire perimeter detailing, including all outstanding remediations and faults identified during previous inspections. The Corden EPS Total Gas Barrier has been dressed down and out across the perimeter upstands from the slab area. All lap joints between the



NOTES:

adjacent sheets of Corden EPS Total Gas Barrier have been sealed using the dual taped system, consisting of Corden EPS Double Sided Butyl Tape beneath the adjacent sheets and over-taped using Corden EPS Gas Resistant Aluminium Lap Tape. Sufficient heat and rolled pressure have been applied to ensure the tapes

GeoShield Verification Report

VERIFICATION ITEM ONE



have fully bonded. Further photographic evidence of the Corden EPS Double Sided Butyl Tape beneath the membrane have been included within the 'Additional Photographs' section of this report. All lap joints were subjected to thorough mechanical point stress testing, as shown in the image above. The condition of the Corden EPS Total Gas Barrier was also visually inspected where a couple of punctures and tears were identified.



GeoShield Verification Report



VERIFICATION ITEM TWO

AREA INSPECTED: Perimeter Detailing - 100%

INSPECTION DETAILS: Pipe Penetrations



NOTES:

There were a total of two pipe penetrations around the perimeter that required sealing. As these had not been sealed upon the arrival of GeoShield to site, these were treated as a required remediation. The pipe penetrations have been sealed during the visit, in the presence of GeoShield using Corden EPS GRM which



NOTES:

is a gas resistant self adhesive membrane. The Corden EPS GRM has been placed intricately around the base circumference of the pipe penetrations and heated into position using a hot air tool. Firm rolled pressure is applied using a silicone roller to aid in the adhesion.

GeoShield Verification Report

VERIFICATION ITEM TWO



Thorough visual inspections, along with mechanical point stress testing were conducted upon the two sealed pipe penetration. No further faults or defects were identified. A complete adhesion of the Cordem EPS GRM has been achieved.
Tested and verified in accordance with CIRIA 735.



GeoShield Verification Report



REMEDIATIONS

Faults Identified & Remediated



As mentioned, a number of faults were identified during the testing procedures conducted upon all completed remedial work around the perimeter. The faults consisted of holes within the membrane and the two pipe penetrations that had not been sealed upon arrival to site. All areas were brought to the attention



of the installers and remediated during the visit, in the presence of GeoShield. The faults were remediated by applying 150mm patches of Cordex EPS GRM over the affected areas, with heat and rolled pressure applied to aid in the adhesion. No further faults or defects were identified.



GeoShield Verification Report



ADDITIONAL PHOTOGRAPHS



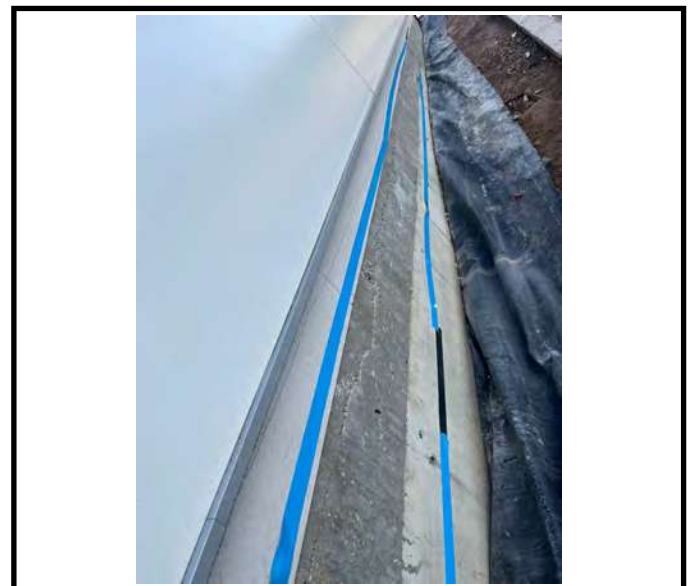
The Corden EPS Double Sided Butyl Tape being applied prior to installation of the Corden EPS Total Gas Barrier.



The Corden EPS Double Sided Butyl Tape being applied prior to installation of the Corden EPS Total Gas Barrier.



The Corden EPS Double Sided Butyl Tape applied prior to installation of the Corden EPS Total Gas Barrier.



The Corden EPS Double Sided Butyl Tape applied prior to installation of the Corden EPS Total Gas Barrier.



GeoShield Verification Report



ADDITIONAL PHOTOGRAPHS



An overview of the completed perimeter detailing.



A puncture identified in the membrane.



A mechanical point stress test being conducted upon the puncture, repaired using a patch of Corden EPS GRM.



An alternative overview of the completed perimeter detailing.



An alternative overview of the completed perimeter detailing.



A mechanical point stress test being conducted upon a taped lap joint.



An alternative overview of the completed perimeter detailing.



A hole in the membrane that has been repaired using a patch of Cordex EPS GRM.



GEOSHIELD

Verification Report



REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
18/06/2025	001	A total of 39 holes require remediation	✓
		9 x outstanding pipe penetrations	✓
		Awaiting photographs from client for outstanding blue section	✓
20/06/2025	002	Awaiting photographs from client for hashed black area in yellow.	✓
24/06/2025	03	Awaiting photographs from client for outstanding green area	✓
09/07/2025	004	Awaiting photographs from client for beam in green area circled in	✓
		red.	✓
12/09/2025	005	The remedial work to the corner within the green area has been	✓
		completed & verified.	✓
22/10/2025	006	Perimeter detailing incorrectly completed. The majority of the	✓
		perimeter has not been verified due to a dual taped system not	✓
		being achieved. All holes and defects have been sealed using	✓
		double sided butyl tape and the double sided butyl tape beneath	✓
		lap joints has been installed with gaps. No foil tapes used to over-	✓
		tape the lap joints. All to be corrected before perimeters signed off.	✓



GeoShield Verification Report



REMEDIATION LOG

Date	No.	Remediation Description	Y/N
05/11/2025	007	Perimeter Detailing - same issues as the previous visit. The	✓
		installation has not been completed using the correct tapes to	✓
		fully seal the perimeters (refer to report 6). Unable to sign off	✓
		further sections of the perimeter and it has been recommended	✓
		to use a specialist gas membrane installation team to carry out	✓
		any future works.	✓
11/11/2025	008	1. All lap joints around the entire perimeter have been sealed	✓
		correctly using a dual taped system, double sided butyl tape	✓
		beneath the lap joints and over-taped using Foil Lap Tape.	✓
		2. The two pipe penetrations present have been sealed using	✓
		Corden EPS GRM.	✓
		3. All holes and defects identified during previous visits and during	✓
		this visit have been remediated using Corden EPS GRM.	✓
		4. All outstanding remediations around the perimeter are complete.	✓



GeoShield Verification Report



GAS MEMBRANE TESTING

VISUAL /PICK & PROBE:	☒	SMOKE TEST:	☐
AIR LANCING:	☐	DILECTIC:	☐
DESTRUCTIVE:	☐	OTHER:	☐
INERT GAS TEST:	☐	SPECIFY:	<input type="text"/>
			<input type="text"/>
Testing checklist attached:	☐ YES	☐ NO	☒

Gridline/Plot Sign off

Gridline/Plot Sign off	Area highlighted in Red	☒
Gridline/Plot Sign off	Area highlighted in orange	☒
Gridline/Plot Sign off	Area highlighted in yellow	☒
Gridline/Plot Sign off	Area highlighted in Blue	☒
Gridline/Plot Sign off	Area highlighted in black	☒
Gridline/Plot Sign off	Area highlighted in green	☒
Gridline/Plot Sign off	Perimeter Detailing (see site mark up)	☒
Gridline/Plot Sign off	Perimeter Detailing (see site mark up)	☒
Gridline/Plot Sign off	Perimeter Detailing - 100% Complete	☒
Gridline/Plot Sign off	<input type="text"/>	☐
Gridline/Plot Sign off	<input type="text"/>	☐



GeoShield Verification Report



VERIFICATION SUMMARY

This was the eighth and final visit to the site where verification was required for entire perimeter detailing, including all outstanding remedial work identified during previous verification inspections.

Corden EPS Total Gas Barrier has been dressed down and out the perimeter upstands from the slab area with all lap joints now installed correctly via a dual taped system. Continuous strips of Corden EPS Double Sided Butyl Tape beneath the membrane and the lap joints then over-taped using Corden EPS Gas Resistant Aluminium Lap Tape. The two present pipe penetrations have been sealed using Corden EPS GRM to a good standard.

All areas around the perimeter that were previously inaccessible have been exposed in order that the dual taped system could be correctly implemented. All corners were reinforced with Corden EPS GRM and all previously identified faults that were remediated using incorrect tapes have now been sealed using Corden EPS GRM to a good standard. A thorough visual inspection and mechanical point stress testing were conducted upon all aspects of the perimeter detailing. A total of seven faults were identified, all of which were remediated during the visit in the presence of GeoShield.

There are no outstanding remediations.

Is the project ready for handover?	Yes
------------------------------------	-----

This was tested and verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE

DATE: 11-Nov-2025

