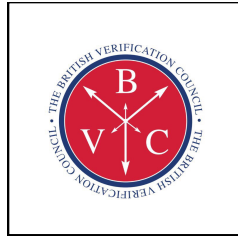




GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101325

REPORT NUMBER:

005

REPORT DATE:

06/01/2021

PROJECT:

New Warehouse Building

PROJECT ADDRESS:

Land adjacent Fulflood Road

Havant

Hampshire

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Verified in accordance with CIRIA 735.

VISQUEEN Gas Resistant DPC

VISQUEEN Gas Resistant Self Adhesive Membrane

VISQUEEN Gas Barrier

Protection Fleece



GEOSHIELD Verification Report



VERIFICATION OFFICER: John Cornish

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07493769477

EMAIL ADDRESS: Jcornish@geoshield.co.uk

ORDER NUMBER: N/A.

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





GEOSHIELD

Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Hannah Hayward
CONTACTS ROLE:	Client
MOBILE PHONE:	01202 051765
EMAIL ADDRESS:	hannah@gmi-ltd.co.uk

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



GEOSHIELD Verification Report



APPLICATION TEAM LEADERS

APPLICATOR NAME: Ashley Warner

COMPANY: GMI

APPLICATOR TEL: 07903041416

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES: Installer is NVQ level 2 qualified in the installation of ground gas systems.

NOTES:

NOTES:

NOTES:



GEOSHIELD Verification Report



AREA SURVEYED: Installation to - Pour 4.

SITE CONDITIONS:

WEATHER: Cloudy

TEMPERATURE: 8c.

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: N/A

TIME: 11:30-13:30

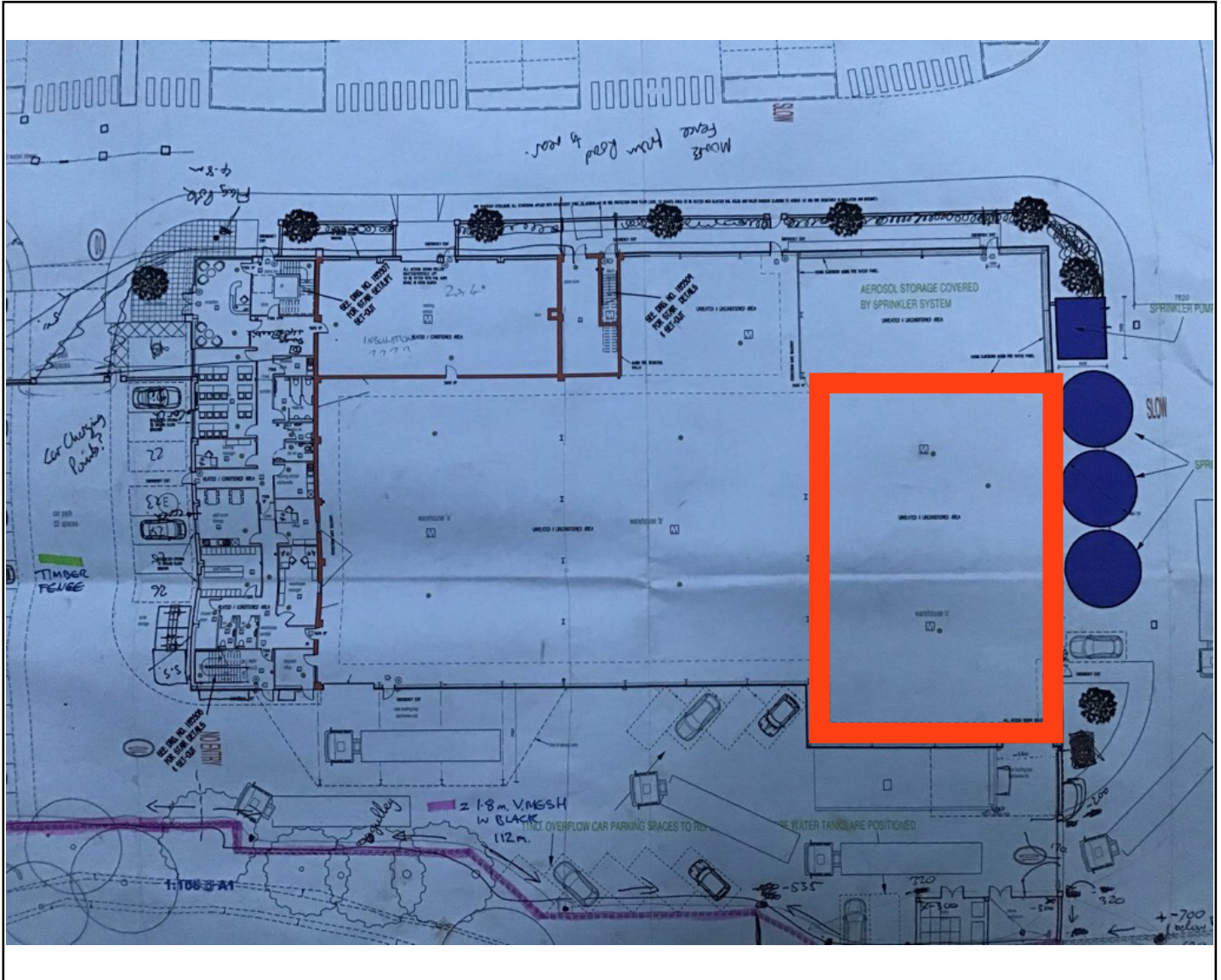
REPORT NUMBER: 005

DATE: 06/01/2021

ACCOMPANIED BY: Stewart Powell - GMI

GEOSHIELD Verification Report

VERIFICATION LAYOUT



The area highlighted in red above shows where verification of the installation of the

Visqueen gas barrier was carried out during this visit.

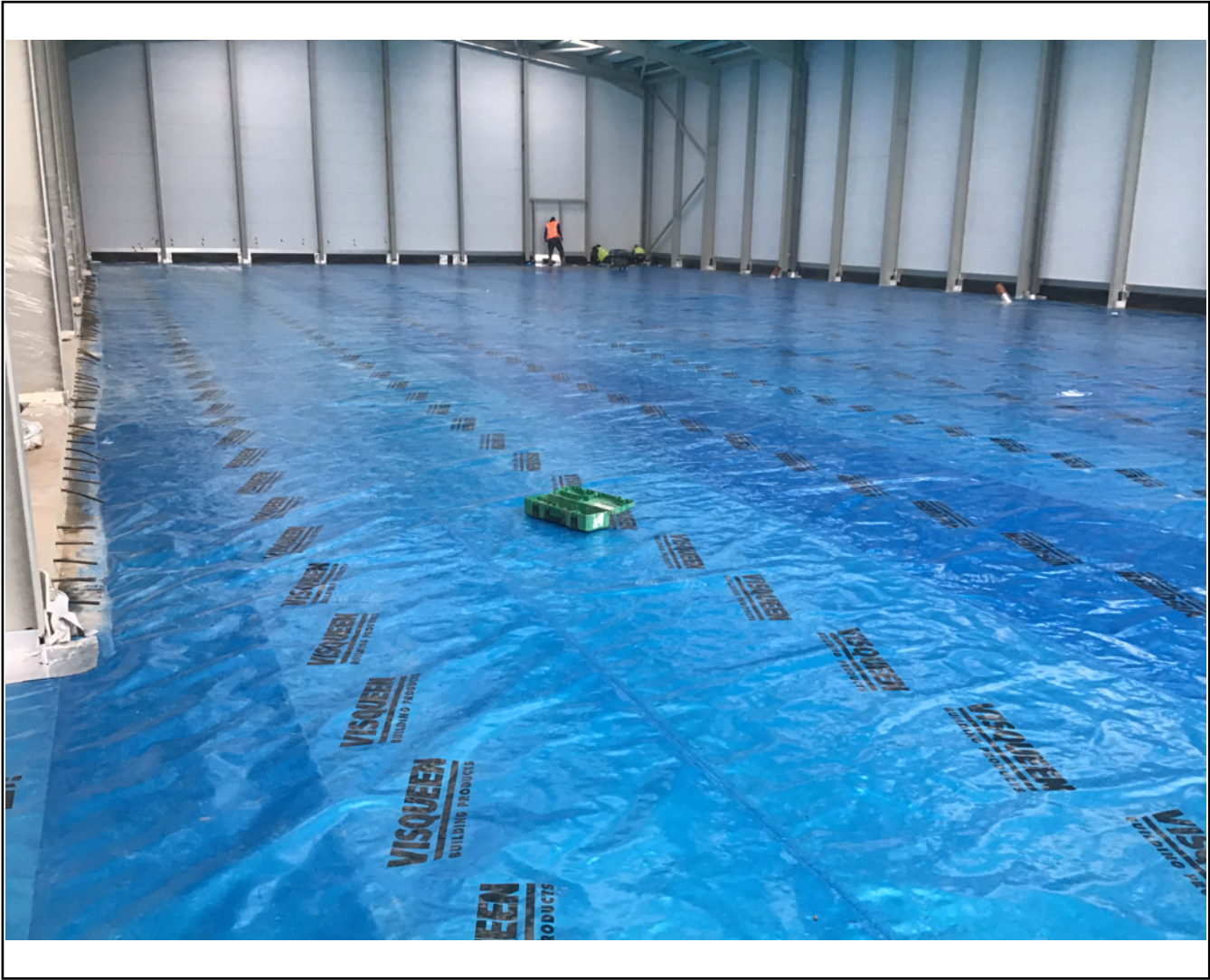
Installation to Pour 4 of building.



GEOSHIELD Verification Report



OVERVIEW PHOTOGRAPHS



The photograph above shows an overview of the area verified during this

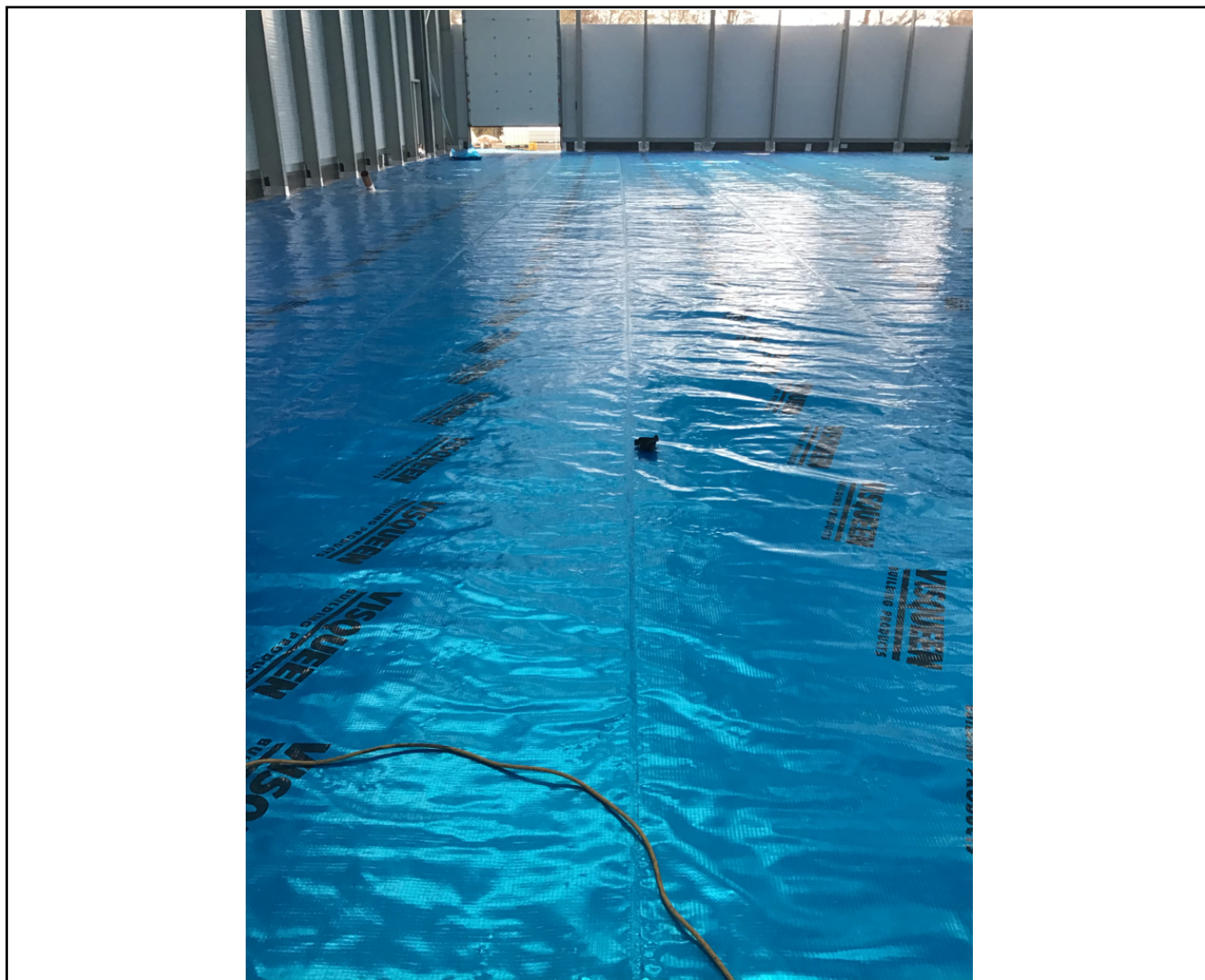
visit.



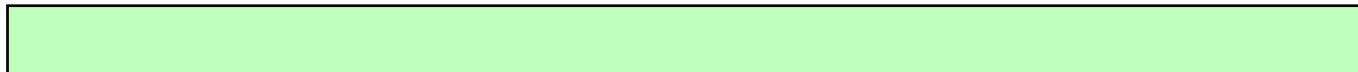
GEOSHIELD Verification Report



OVERVIEW PHOTOGRAPHS



The photograph above shows an alternative overview of the area verified.





GEOSHIELD Verification Report

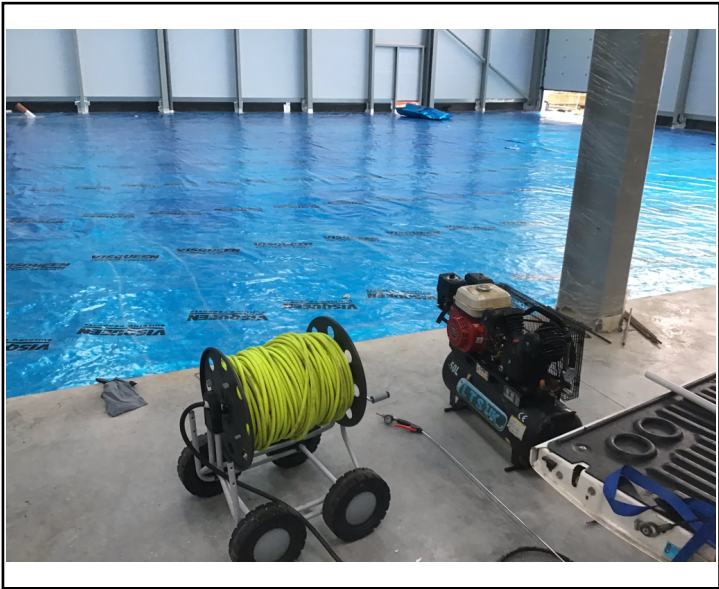
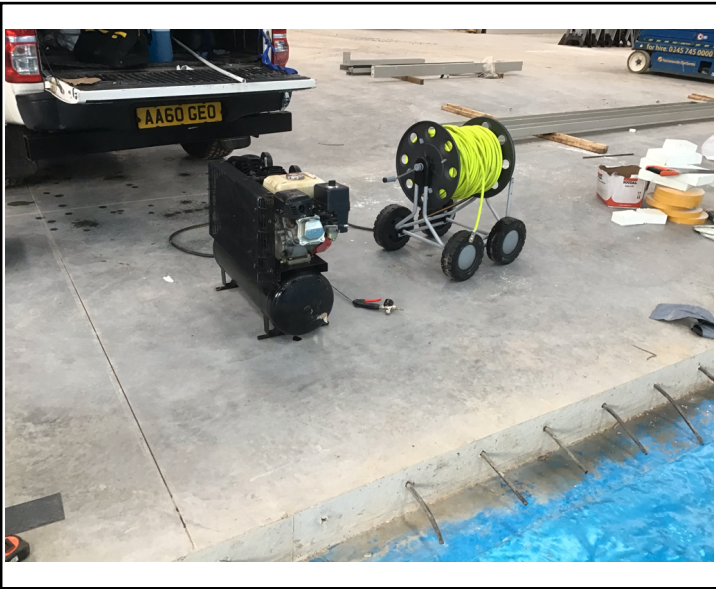


LIMITATIONS

SURVEY AREA: Pour 4

RESTRICTIONS AND LIMITATIONS: Mechanical issues

The two photographs below show the air compressor and hose which was removed the vehicle to carry out air lance testing on the area verified during this visit.



Unfortunately the air compressor would not start due to mechanical issues. This meant

that an air lance test could not be carried out during this visit.



GEOSHIELD Verification Report



VERIFICATION ITEM ONE

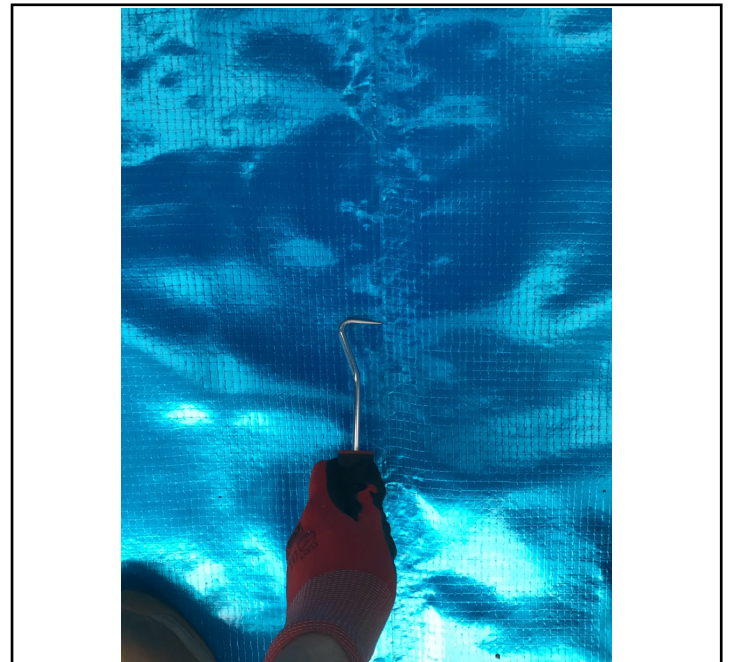
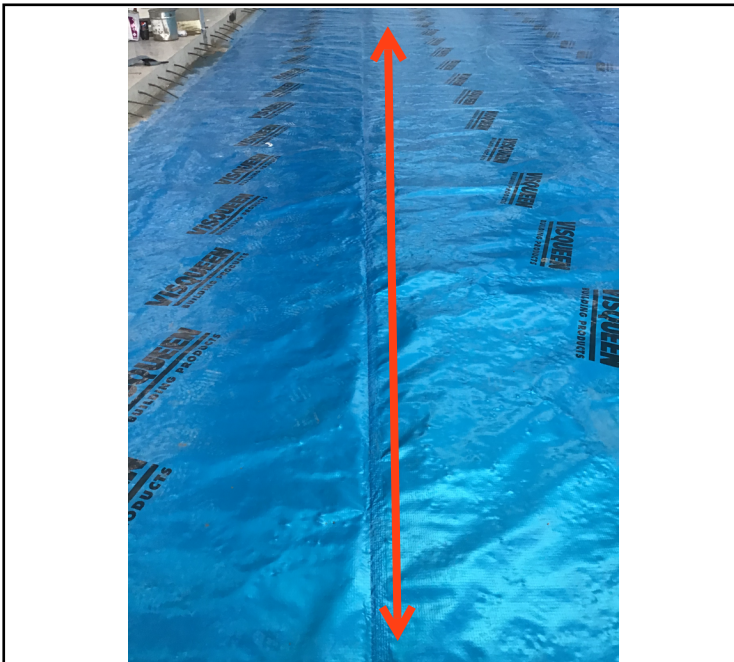
LOCATION/GRID LINE: Installation to - Pour 4.

NOTES: Installation of Visqueen Gas Barrier.

The first photograph below shows an overview of a sealed lap of the Visqueen membrane.

The installers have welded each lap of the membrane using a hot air leister and roller.

A consistent 40mm weld has been achieved.



The second photo above shows a pick and probe test carried out to a welded lap.

No faults or defects identified. Verified in accordance with CIRIA 735.



GEOSHIELD Verification Report

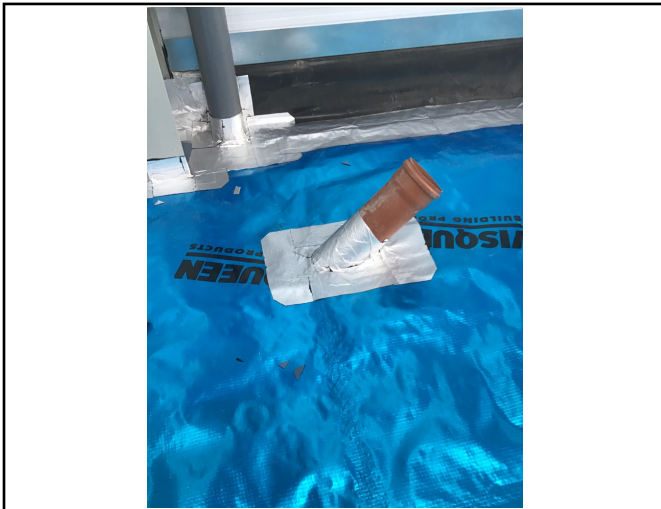


VERIFICATION ITEM TWO

LOCATION/GRID LINE: Installation to - Pour 4.

NOTES: Pipe penetrations sealed.

The first photograph below shows a pipe penetration which has been sealed using Visqueen GR SAM. The installers have used patches of the GR SAM to seal each pipe penetration.



The installers have used a hot air leister to achieve a strong seal around each pipe penetration verified during this visit.

Installed in accordance with BS 8485:2019.

A pick and probe test carried out to a sealed pipe penetration revealed no faults or defects. Verified in accordance with CIRIA 735.

GEOSHIELD Verification Report

VERIFICATION ITEM TWO



The photograph above shows a pick and probe test carried out to a steel column.

The installers have first applied a coat of Visqueen HP Primer to all areas of steel

where Visqueen GR SAM has been applied to. No faults or defects identified.

Verified in accordance with CIRIA 735.

GEOSHIELD Verification Report

ADDITIONAL PHOTOGRAPHS

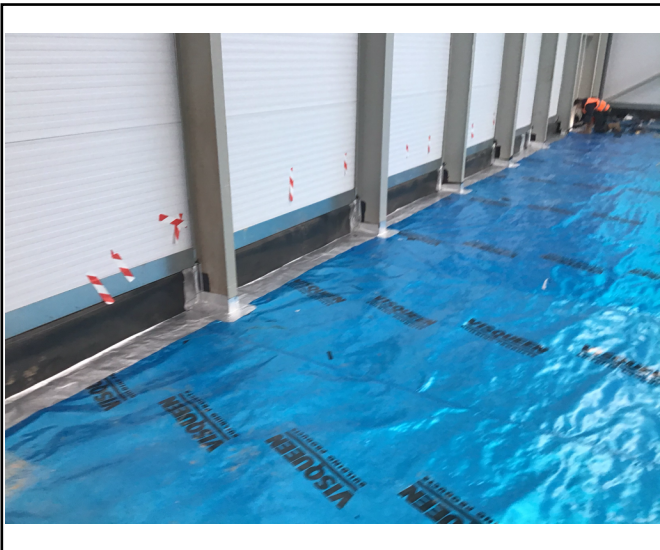


Area with no Visqueen GR SAM

was installed.



Installers have patched



Perimeters sealed to infills and

steel columns sealed.



Installers sealing steel columns.

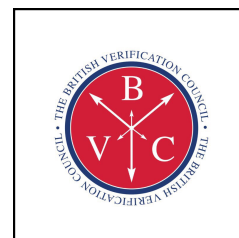


GEOSHIELD Verification Report



REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
21/08/2020	001	No faults found on this visit	✓
21/10/2020	002	No faults found	✓
10/11/2020	003.	1. 2 x miss-welds identified during the air lance integrity testing -	✓
		both faults were repaired and remediated during the visit.	✓
19/11/2020	004	21 faults found within the welded lap joint mainly in and around the	
		T-Sections, all patched whilst on site.	✓
06/01/2021	005.	1. One welded lap had on the perimeter had no Visqueen GR SAM	
		although the weld was strong the installers have applied a strip	
		of the GR SAM to fit with the rest of the area. (See additional	
		photos)	✓



Gridline/Plot Sign off



GEOSHIELD Verification Report



VERIFICATION SUMMARY

This was the 5th visit to site where verification of the installation of the Visqueen

Gas Barrier to pour 4 area was required. The installers have welded each lap of

the membrane using a hot air leister and roller to apply pressure. A consistent

40mm weld was achieved. All pipe penetrations have been sealed using Visqueen

GR SAM. All steel columns have been sealed using primer and Visqueen

GR SAM. Due to mechanical issues a air lance test could not be carried out.

One remediation was required and carried out during this visit.

Installed in accordance with BS8485:2019.

Verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 06/01/2021