



GeoShield Verification Report 02



PROJECT REFERENCE: GEO104923

PROJECT: Land off Sapcote Road

PROJECT ADDRESS: Sapcote Road,

Burbage, Hinckley,

LE10 2AU

SPECIFICATION: Verified in accordance with CIRIA 735.

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

Substrate prepared in accordance with manufacturers instructions.

Visqueen gas barrier

Visqueen pro Detailing strip

VisqueenPro Double Sided Jointing Tape

Visqueen Gas Resistant Foil Lap Tape



GeoShield Verification Report



NAME OF SURVEYOR:

Harry Martin

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds

CONTACT NUMBER:

[Redacted]

EMAIL ADDRESS:

[Redacted]

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:

☒

NO:

☐

PROJECT:

YES:

☒

NO:

☐



GeoShield Verification Report



CLIENT DETAILS

CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:

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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AREA SURVEYED:

Plots 14, 15, 16, 17, 18 & 19 - Full Line Out

SITE CONDITIONS:

WEATHER:

Cloudy

TEMPERATURE:

10°C

RELATIVE HUMIDITY:

N/A

MEMBRANE TEMPERATURE:

N/A

TIME:

12:00 - 13:30

DATE:

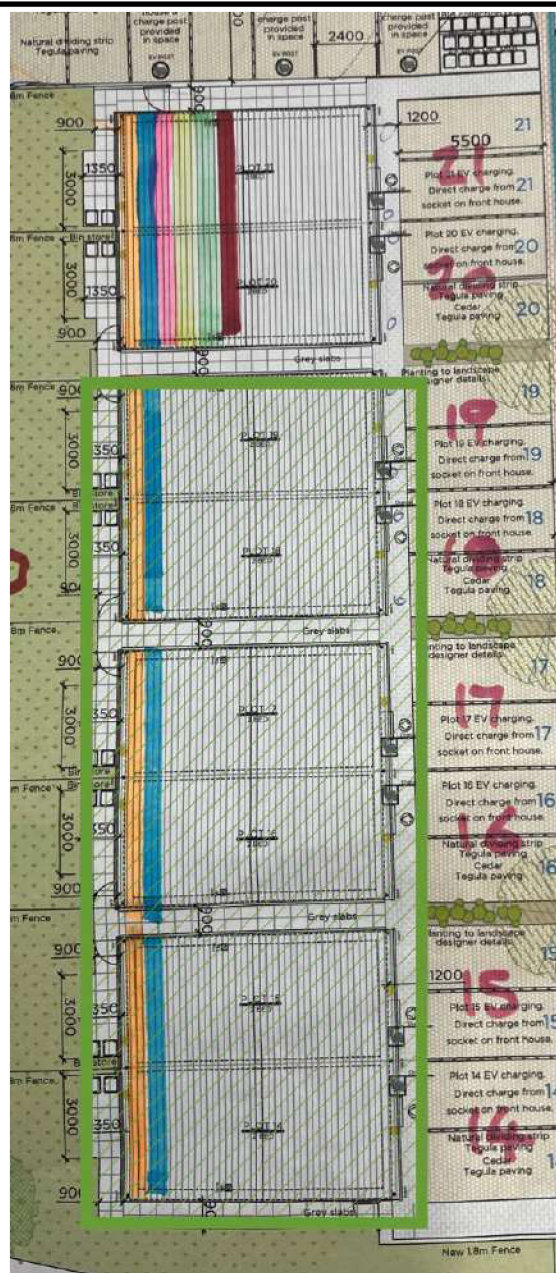
02.12.2024

REPORT NUMBER:

002

ACCOMPANIED BY:

Verification Layout



The photograph above shows a plan layout of the site. The area highlighted in green shows plots 14, 15, 16, 17, 18 & 19 where the verification inspection took place on site today.

OVERVIEW



The photograph above displays an overview of plots 14 & 15 where today's verification inspection took place on site.

OVERVIEW



The photograph above displays an overview of plots 16 & 17 where today's verification inspection took place on site.

OVERVIEW



The photograph above displays an overview of plots 18 & 19 where today's verification inspection took place on site.



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VERIFICATION ITEM ONE

LOCATION/GRID LINE: Plots 14, 15, 16, 17, 18 & 19 - Full Line Out

Installation of Visqueen Standard Gas Barrier



NOTES:

A complete line out of the Visqueen Standard Gas Barrier has been installed across the footprint of plots 14, 15, 16, 17, 18 & 19. The Visqueen Standard Gas Barrier has been lined across the entirety of the plots, including the internal party walls and external cavities to ensure continuity throughout.



NOTES:

All lap joints between the adjacent sheets of Visqueen Standard Gas Barrier have been overlapped a minimum of 100mm and heat welded using a hot air leister and a silicone roller with adequate pressure applied to ensure a continuous weld is achieved. 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 Visqueen Standard Gas Barrier. All lap joints were subjected to thorough mechanical point stress testing throughout the installation. No faults or defects were identified during these testing procedures.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Plots 14, 15, 16, 17, 18 & 19 - Full Line Out

Corners and Thresholds



NOTES:

A number of corners and thresholds throughout the referenced plots have been sealed as per manufacturer's specifications and design guidelines. This has been achieved using Visqueen Standard Gas Barrier and Visqueen GR SAM. The Visqueen Standard Gas Barrier has been cut to minimise voided



NOTES:

areas and gaps across the footprint of the referenced plots. Each corner and threshold junction has been reinforced by heating strips of Visqueen GR SAM and placing them into position around each corner, onto the Visqueen Standard Gas Barrier. Firm rolled pressure is applied with a silicone roller to aid in the adhesion.



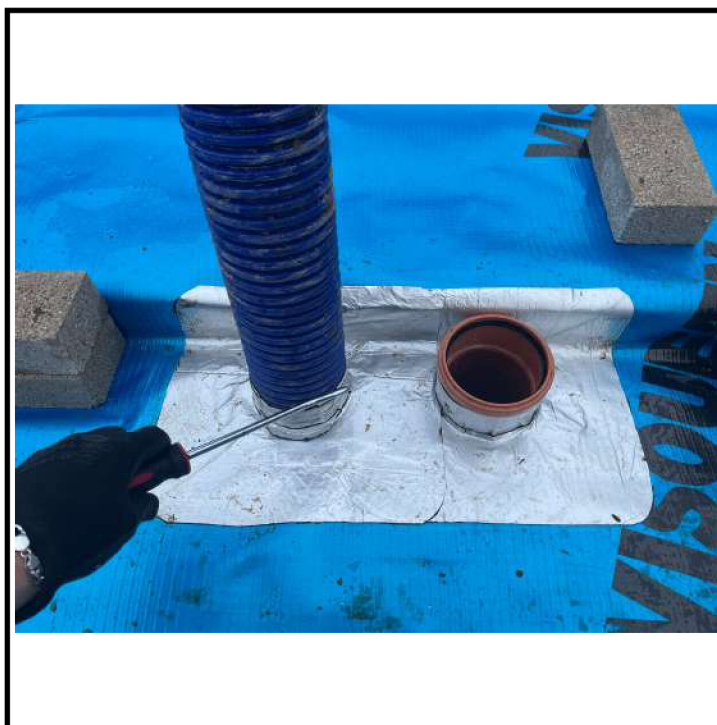
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VERIFICATION ITEM THREE

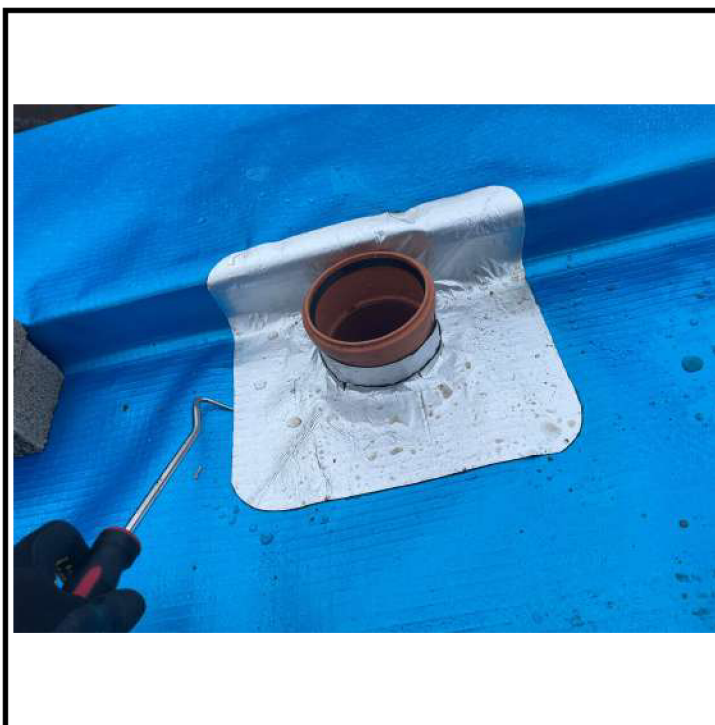
LOCATION/GRID LINE: Plots 14, 15, 16, 17, 18 & 19 - Full Line Out

Pipe Penetrations



NOTES:

Throughout the installation of the Visqueen Standard Gas Barrier 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 Visqueen GR SAM which is a self adhesive membrane.



NOTES:

The installers have first cut the Visqueen Standard Gas Barrier tight around the base of each pipe penetration to minimise voided areas. Next, strips of Visqueen GR SAM are placed intricately in a top hat formation around the pipe penetration and onto the Visqueen Standard Gas Barrier. Heat and rolled pressure is applied.



An overview of a welded lap joint.



A pick and probe test being conducted upon a sealed pipe penetration.



All pipe penetrations were sealed with Visqueen GR SAM.



Example of the materials used.
(Visqueen Standard Gas Barrier).



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VERIFICATION SUMMARY

This was the second visit to the site where verification was required for the installation of the Visqueen Standard Gas Barrier to plots 14, 15, 16, 17, 18 & 19.

All overlaps between the adjacent sheets of Juta GP1 Gas Barrier have been successfully welded using a hot air leister and silicone roller creating continuous welded joints throughout.

All details throughout the installation, such as pipe penetrations, corners and thresholds have been successfully sealed using Visqueen GR SAM, 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 identified during today's visit.

Non destructive air lance integrity testing wasn't conducted due to limited vehicle access.

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

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

GEOSHIELD SIGNATURE:

DATE: 02-Dec-2024