



GeoShield Verification Report 5



PROJECT REFERENCE:

GEO105182

PROJECT ADDRESS:

Cranford House,
100 Woodside Avenue,
Haringey,
LONDON
N10 3JA

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:

Premcrete CombiSeal Plus
Premcrete CombiSeal Tape
Premcrete Hydroprufe LG
Premcrete HCR Butyl Tape



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NAME OF SURVEYOR:

Mark Chapman

VERIFICATION COMPANY:

GeoShield Limited

COMPANY ADDRESS:

Icon Business Centre

4100 Park Approach, Thorpe Park

Leeds

LS15 8GB

CONTACT NUMBER:

07387 373167

EMAIL ADDRESS:

mchapman@geoshield.co.uk



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CLIENT DETAILS

CLIENT CONTACT:	Danut Avadani
CONTACTS ROLE:	
MOBILE PHONE:	07802 267158
EMAIL ADDRESS:	alin.rad@konform.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)

Block A, Slab Section - Full Line Out

SITE CONDITIONS

WEATHER: Overcast

TEMPERATURE: 10°C

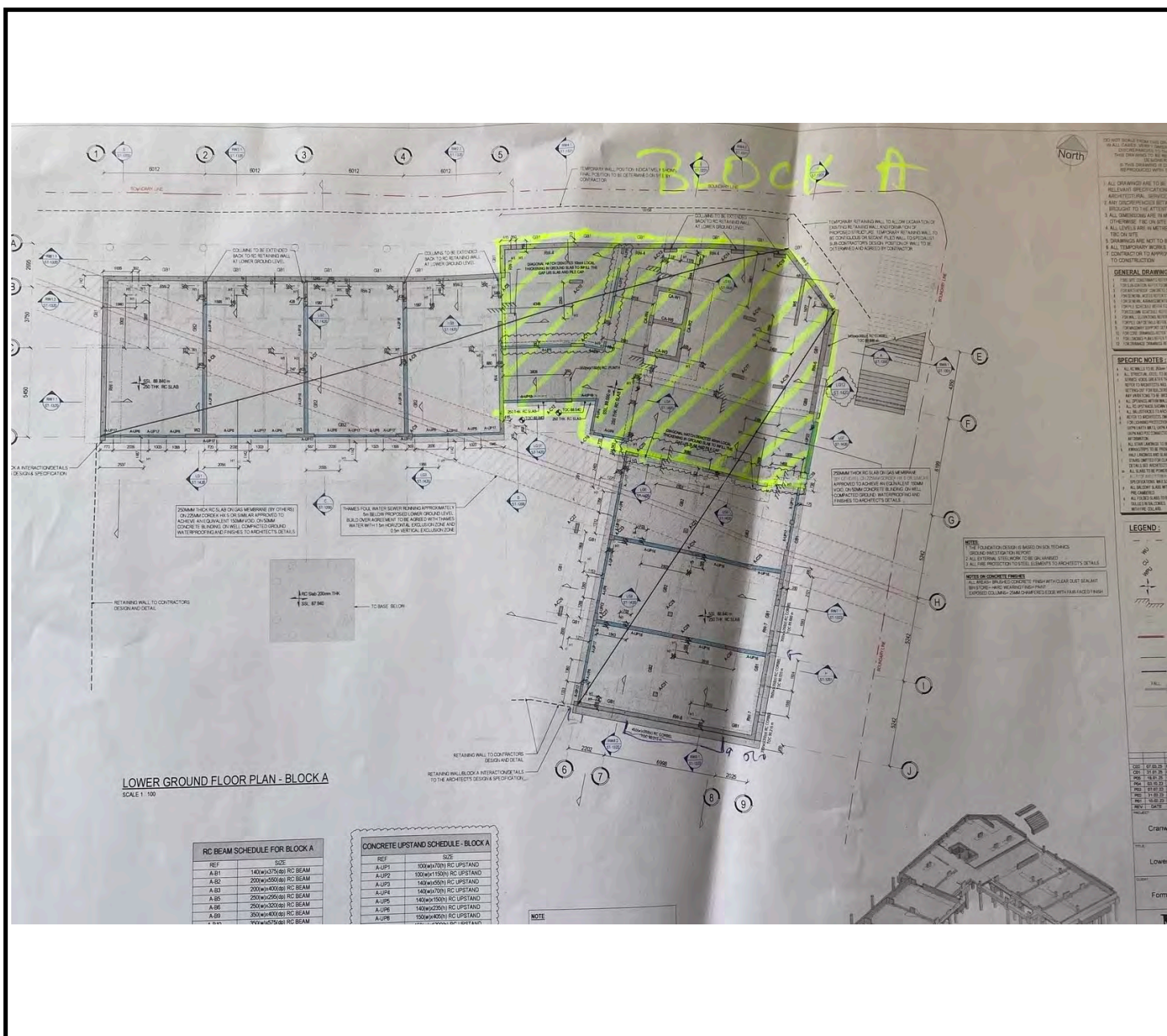
TIME: 09:30 - 10:30

DATE: 24.04.2025

REPORT NUMBER: 005

ACCOMPANIED BY: Danny - Konform

VERIFICATION LAYOUT



The photograph above shows a plan layout of the site. The areas highlighted in yellow show the slab section within Block A where the verification inspection took place on site today.

OVERVIEW



The photograph above displays an overview of the slab section in Block A where today's verification inspection took place on site.



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VERIFICATION ITEM ONE

AREA INSPECTED: Block A, Slab Section - Full Line Out

INSPECTION DETAILS: Installation of Premcrete CombiSeal Plus Gas Barrier



NOTES:

Premcrete CombiSeal Plus Gas Barrier has been installed across the footprint of a slab section within Block A. The Premcrete CombiSeal Plus Gas Barrier has been lined upon a Cordek Ventform, minimising any damages occurring from beneath the membrane. A sufficient overhang has been left around the perimeter in

NOTES:

preparation for future works at a later date. All overlaps between the adjacent sheets of Premcrete CombiSeal Plus Gas Barrier have been sealed via the preformed adhesive zip lap joints, or alternatively Premcrete CombiSeal Tape from beneath. Adequate pressure has been applied where necessary, creating a gas

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VERIFICATION ITEM ONE



resistant seal.

Thorough visual inspections, supported by mechanical point stress testing, also known as pick and probe testing, conducted upon the sealed overlaps of the Premcrete CombiSeal Plus Gas Barrier identified no faults or defects.

Tested and verified in accordance with CIRIA 735.



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VERIFICATION ITEM TWO

AREA INSPECTED: Block A, Slab Section - Full Line Out

INSPECTION DETAILS: Pipe Penetrations



NOTES:

Throughout the Premcrete CombiSeal Plus Gas Barrier installation, a number of pipe penetrations required sealing. The Premcrete CombiSeal Plus Gas Barrier has been cut tightly around each individual pipe penetration, with Premcrete HCR Butyl Tape placed beneath the membrane to secure in place, which is a double sided



NOTES:

butyl tape. The Premcrete CombiSeal Plus Gas Barrier has been terminated upon the pipe penetrations using Twinseal Compound GR applied in a thick fillet up the neck of the pipe and around the base, onto the Premcrete Combi-Seal Plus Gas Barrier. Thorough mechanical point stress testing of the pipes identified no faults.

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VERIFICATION ITEM THREE

AREA INSPECTED: Block A, Slab Section - Full Line Out

INSPECTION DETAILS: Pile Columns



NOTES:

Throughout the installation to the slab area within Block A, a number of pile columns required sealing. The primary seal of the pile columns is the application of Premcrete Hydroprufe LG, which is a liquid gas membrane. The Hydroprufe LG has been applied across the entirety of the pile columns and returned partially up each



NOTES:

individual steel rebar. Once cured, Premcrete HCR Butyl Tape is implemented around the perimeter of the pile columns, with the Premcrete CombiSeal Plus Gas Barrier lapping onto the Premcrete HCR Butyl Tape. Premcrete Metal Washer Fixings have been implemented to secure the Premcrete CombiSeal Plus Gas

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VERIFICATION ITEM THREE



Barrier in place, ensuring that these have gone through the Premcrete HCR Butyl Tape. A fillet of Twinseal Compound GR applied over the Premcrete Metal Washer Fixings ensures a complete gas resistant seal is achieved throughout. Thorough visual inspections, supported by mechanical point stress testing conducted upon all pile columns identified no faults.



A mechanical point stress test being conducted upon a sealed pile column.



Typical pipe penetration detailing.



Bundles of Premcrete CombiSeal Plus Gas Barrier used during the installation.



Premcrete Metal Washer Fixings around a pile column sealed with Twinseal Compound GR.



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GAS MEMBRANE TESTING



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REMEDIATION LOG

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VERIFICATION SUMMARY

This was the fifth visit to the site where verification was required for the line out installation of the Premcrete CombiSeal Plus Gas Barrier to a slab section within Block A.

The overlaps between the adjacent sheets of the Premcrete CombiSeal Plus Gas Barrier have been sealed via the preformed adhesive zip lap joint, or alternatively using Premcrete CombiSeal Tape from beneath.

All pile columns have been sealed using Hydroprufe LG applied to the tops of the pile columns, with the Premcrete CombiSeal Plus Gas Barrier terminated using Premcrete HCR Butyl Tape and Premcrete Metal Washer Fixings.

All pipe penetrations have been successfully sealed using Premcrete Twinseal Compound GR.

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

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:

24-Apr-2025