



GeoShield Verification Report



PROJECT REFERENCE: GEO102875

PROJECT: Neath Port Talbot Hospital (Orthopaedic Unit).

PROJECT ADDRESS: Neath Port Talbot Hospital,

Baglan Way, Port Talbot,

SA12 7BX

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.

FC6 Cuspate Geocomposite

JUTA GP1 Gas Membrane

JUTA GP1 SAM

Telescopic Vents



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NAME OF SURVEYOR:

John Cornish

VERIFICATION COMPANY:

GeoShield Limited

Icon Business Centre

4100 Park Approach

Thorpe Park

Leeds, LS15 8GB

CONTACT NUMBER:

07493769477

EMAIL ADDRESS:

Jcornish@geoshield.co.uk

ORDER NUMBER:

To be confirmed

PER VISIT:

YES:

☐

NO:

☐

PROJECT:

YES:

☐

NO:

☐



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

Geotechnical and Geoenvironmental Report

>Front Page

>Site Location

>Radon (No Radon)

>Characteristic Site Classification (CS2)

>Borehole Locations

Site Built Ground Floor Areas Layouts, Drawing No: 2325-PHG-V1-00-DR-S...

...-0404 Rev C03.

Foundations Sections and Details, Drawing No: 2325-PHG-V1-BG-DR...

...-S-0403 Rev C03.

Foundation Layout, Drawing No: 2325-PHG-V1-BG- DR-S-0402 Rev C05.

Piling Layout, Drawing No: 2325-PHG-V1-BG- DR-S-0401 Rev C04.

Site Built Ground Floor Areas Sections and Details, Drawing No: 2325-PHG...

...V1-BG- DR-S-0405 Rev C03.



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

Module Gable - Base, Midband and Verge, Drawing No: H2201-MCO-01-...

...XX-DR-A-060003 Rev C01.

Non Standard Base and Midband, Drawing No: H2201-MCO-01-XX-DR...

...-A-060004 Rev C01.

Pressure Relief System Layout.

Perimeter Section.

FC6 Cuspate Geocomposite - Technical Data Sheet.

JUTA GP1 Gas Barrier - Technical Data Sheet.

JUTA GP SAM - Technical Data Sheet.



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CLIENT DETAILS

CLIENT CONTACT: Jon Taylor

CONTACTS ROLE:

MOBILE PHONE: 01269591103

EMAIL ADDRESS: JonTaylor@trjltd.co.uk

CLIENT CONTACT: Josh

CONTACTS ROLE: Site Contact

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: Modules dropped into place (ground floor).

SITE CONDITIONS:

WEATHER: Sunny/cloudy

TEMPERATURE: 6c.

MEMBRANE TEMPERATURE: N/a

RELATIVE HUMIDITY: N/a

TIME: 07:00-17:00

REPORT NUMBER: 002

DATE: 06/12/2022

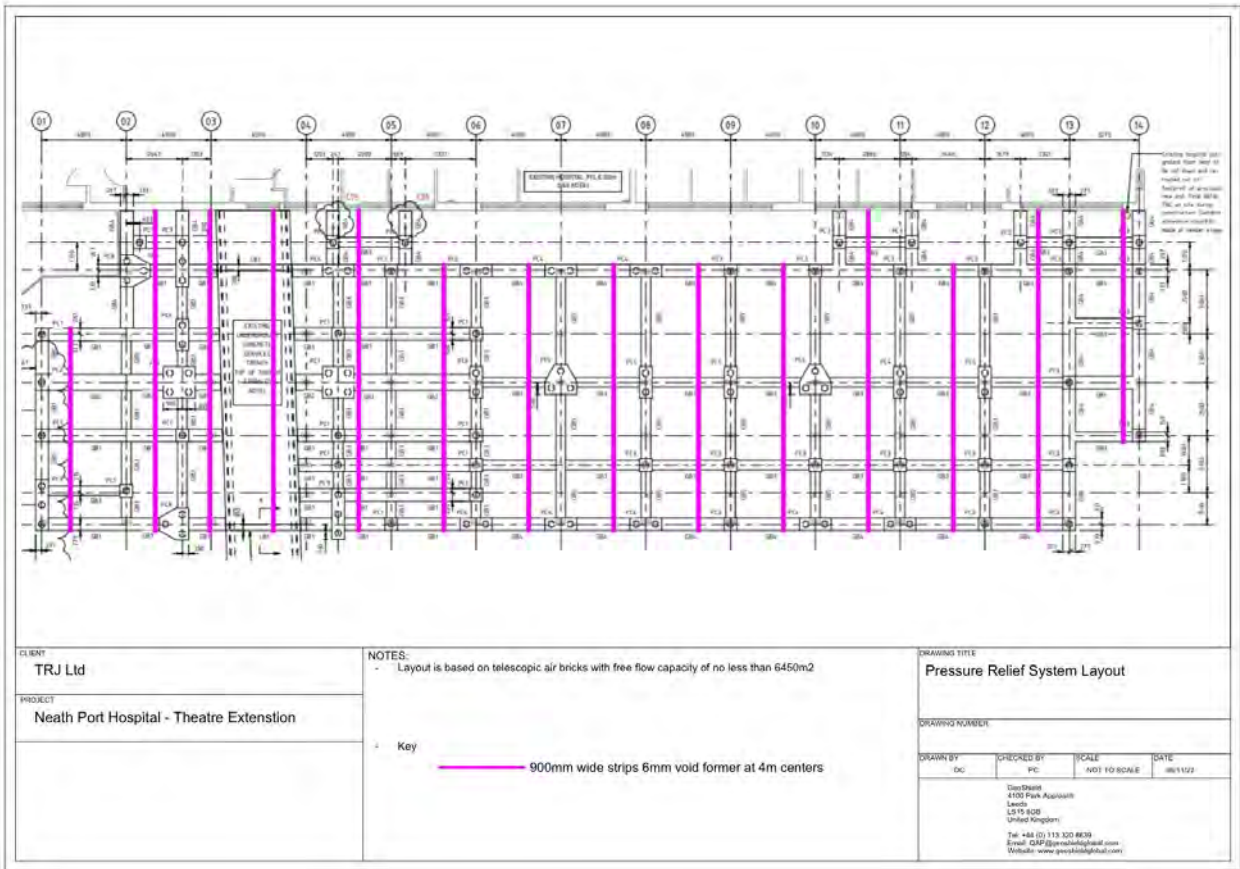
ACCOMPANIED Rich - MB Membranes



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VERIFICATION LAYOUT



The site layout above shows where the ground floor modules have started to be dropped into place, six modules installed during today's visit.



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OVERVIEW PHOTOGRAPHS



The photograph above shows an example of a module being dropped into

place using the crane.

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OVERVIEW PHOTOGRAPHS



The photograph above shows a module fully dropped into place. No damage

was caused to the JUTA GP1 Gas Barrier during this verification visit.



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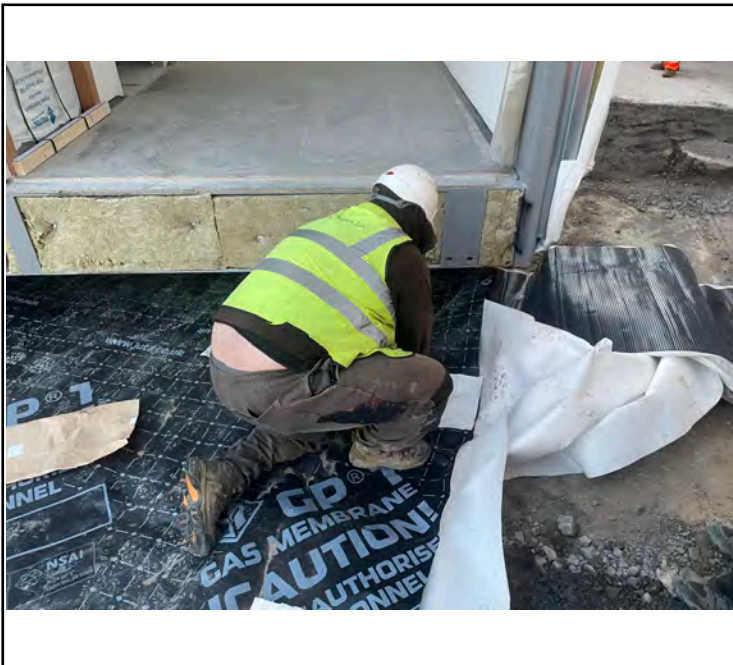


VERIFICATION ITEM ONE

LOCATION/GRID LINE: Modules dropped into place.

NOTES: Remediations carried out prior to modules being installed.

The first photograph below shows one of the installers carrying out remedial works to the JUTA GP1 Gas Membrane. One lap had not been welded far enough and it did not extend past the sides of the modular builds.



To rectify this issue the installers have applied a length of the JUTA GP1 SAM. A gas blow torch was used to aid in the adherence of the GP1 SAM.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Modules dropped into place.

NOTES: Modules dropped into place.

The first photograph below shows an overview of the previously installed JUTA GP1 Gas Membrane. The membrane was inspected once again before modules were dropped into place.



This was to ensure any damage to the membrane or faults identified had been rectified prior to the modules being installed. As mentioned in the last verification item, one lap needed to be sealed past the module edges, this has been done using JUTA GP1 SAM. Care has been taken to ensure no damage was caused to the JUTA GP1 SAM.

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VERIFICATION ITEM TWO



The photograph above shows a close up of one of the modules installed to the

ground floor. The plates have kept the modules having direct contact with the

membrane and the modules were dropped slowly to avoid damage being caused to

the modules.



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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Modules dropped into place.

NOTES: Adjustment of modules.

The first photograph below shows the contractors installing the ground floor modules.

If the modules needed moving pieces of wood were first slid under the modules before using metal bars to slightly move the modules.



The pieces of wood have been successful in protecting the membrane. No damage was identified and the modules were then dropped into the correct place once they have been moved.



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VERIFICATION SUMMARY

This was the second visit to site where verification of the installation of the ground floor modules of the hospital extension was required. A visual inspection was first carried out to the previously installed JUTA GP1 Gas Membrane. One lap needed to be extended past the edges of the gas membrane. This has been sealed using JUTA GP1 SAM. A gas blow torch has been used to aid in the adherence of the GP1 SAM. All ground floor modules installed during this visit did not cause any damage to the JUTA GP1 Gas Membrane.

Further verification is required when more ground floor modules are installed.

Installed in accordance with BS 8485:2019.

Verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 06/12/2022