



GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101021

REPORT NUMBER:

001

REPORT DATE:

27/02/20

PROJECT:

McAlear & Rushe

PROJECT ADDRESS:

101 Charles Street

Manchester

M1 6DD

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Visqueen Geoseal Ultimate



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

No details issued before verification visit



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VERIFICATION OFFICER: Chris Ingham

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07555214679

EMAIL ADDRESS: Cingham@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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CLIENT DETAILS

CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:



CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:

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APPLICATION TEAM LEADERS

APPLICATOR NAME: Phil Simmons, Dave Bennett, Kristoph

COMPANY: Prestige Air

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

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AREA SURVEYED: Crane Base edges and Core edge

SITE CONDITIONS:

WEATHER: Overcast

TEMPERATURE: 7C

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: 74

TIME: 11:00 - 16:00

REPORT NUMBER: 001

DATE: 27th February 2020

ACCOMPANIED

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VERIFICATION LAYOUT



Overview of site. Crane Base steel rebar already installed on arrival.

Visqueen Geoseal Ultimate wrapped around the edges and sealed

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OVERVIEW PHOTOGRAPHS



Overview of Core and a Crane Base

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OVERVIEW PHOTOGRAPHS



Overview of Core and a Crane Base

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BGA
British Geotextiles Association



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Crane Base edges

NOTES: Visqueen Geoseal Ultimate installed with minimum 150mm

return beneath the rebar. Long rolls used to minimise the number of joints required.

Joints sealed with hot weld before being extrusion welded. Visual inspection and

pick and probe test carried out.



1. Joints hot welded shut.

2. Joints reinforced and sealed with extrusion weld.

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VERIFICATION ITEM ONE



3. Joint sealed with hot weld and extrusion weld.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Crane Base edges

NOTES: Visqueen Ultimate Geoseal installed around the edges

of the crane base. Installation method and verified. Good number of spacers attached

to rebar and pegs installed through Visqueen to embed in concrete sealed with

GR SAM.



1. Good number of spacers attached to rebar.

2. Membrane kept minimum 50mm from rebar.

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VERIFICATION ITEM TWO



3. Minimum 150mm lap beneath steel rebar.



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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Core edge

NOTES: Core wall primed with HP Tanking Primer and left

overnight to go off. Visqueen GR SAM installed the following day once primer

ready. GR SAM then protected with Visqueen Protective Board before being backfilled.



1. HP Tanking Primer applied to face of core

2. GR SAM applied to face of Core

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VERIFICATION ITEM THREE



3. GR SAM protected with Protective Boarding before being backfilled.

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ADDITIONAL PHOTOGRAPHS



Core protected with protective boarding



Dividag holes plugged with rubber

plugs before being primed



Visqueen Geoseal Ultimate used

around crane base



Pegs to bed in concrete sealed

with GR SAM

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ADDITIONAL PHOTOGRAPHS



Peg sealed



Hot weld in before extrusion

weld witnessed



Extrusion weld on complete



Pegs installed either side of

extrusion weld and sealed

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ADDITIONAL PHOTOGRAPHS



Pick and probe on hot weld before

extrusion welded



Protection board applied to

base of crane



Protection board to base of crane



Membrane cut around ring beam

to be connected to base





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VERIFICATION SUMMARY

Report 001 is for the Crane Base edges and Core walls. Works witnessed

and tested with pick and probe. All works carried out to a good standard and

no faults found. Visqueen Geoseal Ultimate installed with minimum number of

joints possible. All joints hot welded and extrusion welded to a good standard.

Regard cut back in two places to ensure it will not puncture the membrane.

GR SAM applied to core walls on top of HP Primer.

All works protected with protection board before being backfilled.

Complete works passed and verified in accordance with BS8485:2019

and CIRIA 735.