



Case Study

Aquablock® GS0.75M Rubber Geomembrane

Location:

A46 Roehoe Junction
Nottingham

Client:

Highways Agency

Project:

A46 Widmerpool to
Newark
Improvements



Contractor:

Fox (Owmbly) Limited



Geosynthetics Limited

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Geosynthetics Limited were asked if we could provide a lining solution for 3 newt mitigation ponds just off the A46 at Roehoe Wood in Nottinghamshire. Each pond was a very unusual shape and had an adjoining newt friendly apron (a shallow depression with an average 150mm depth). The ponds ranged in size from 31m x 20m down to 28m x 16m.

The problems were 3 fold:

- There was very restricted access to site (large rolls were not an option).
- The contractor wanted a one piece liner requiring no on site jointing work.
- The material needed to be fabricated and available quickly as the Newt hibernation period was nearing an end and the works needed to be completed quickly.

The aprons needed lining as well and would ultimately provide areas in which the newts could bask in the shallower warmer water; creating an ideal habitat.

We addressed the contractors concerns by offering our Aquablock® GS0.75M rubber geomembrane, it is a modern Butyl / EPDM rubber hybrid offering greatly increased performance characteristics over traditional 'Butyl rubber' - with better tensile and tear strength as well as higher UV stability.

The advantages to the contractor were:

- The Aquablock® was delivered folded and



rolled in very compact packages – one for each pond and apron; labeled accordingly.

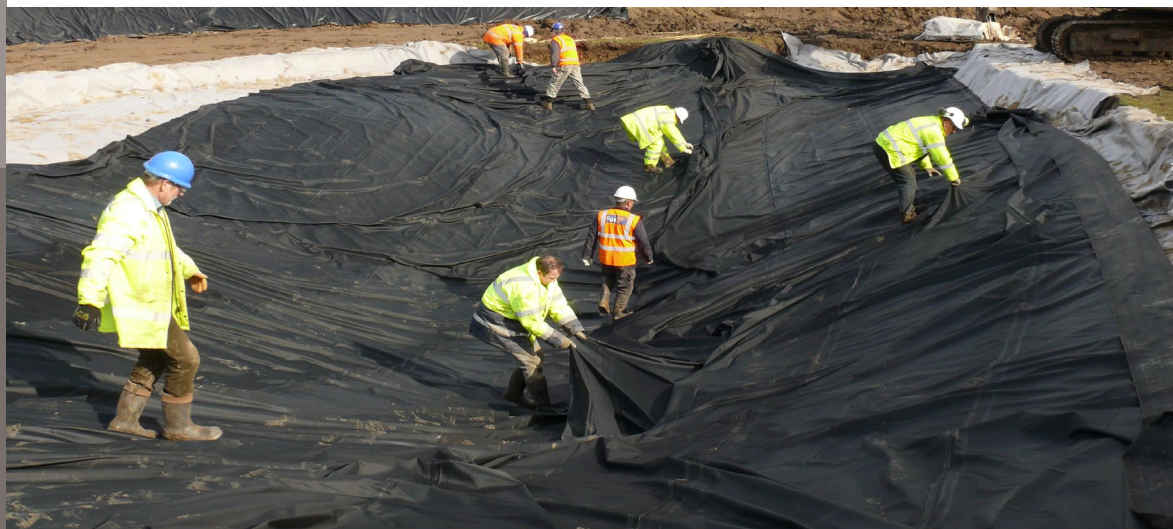
- The Aquablock® was pre-fabricated into a single piece for each pond – no onsite jointing was required; it could be simply unrolled and unfolded across the ponds.
- We delivered all three liners to site just 5 working days from the initial order. Over 1,600m² of product made to order within a

The benefits of using Aquablock® GS0.75M in this case were:

The Aquablock® was delivered folded and rolled in very compact packages,

The Aquablock® was pre-fabricated into a single piece for each pond,

We delivered all three liners to site just 5 working days from the initial order.





Geosynthetics

Engineered Solutions

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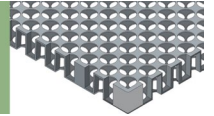
2 in1
Landscaping Fabric



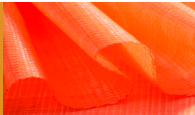
Gas Membrane
Radon, CO2, Methane,
Hydrocarbon Control



RoofCell
Sub Surface Drainage
And Water Storage



Alert®
Contamination Indicator



Geoglas®
Asphalt Reinforcement



Stratagrid
Soil Reinforcement Geogrid



AquaBlock®
Water Containment Liners



Geomembrane
Impermeable Membrane



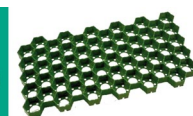
Strataweb
Slope Stabilisation



Bentotex® GCL
Geosynthetic Clay Liner



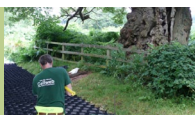
Golpla
Grass & Gravel Paving System



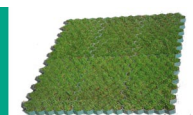
T-Block
Modular Retaining System



Cellweb® TRP
Tree Root Protection



Golpla Pregrown
Ready To Lay Paving System



Telegrid
Woven Polyester Geogrid



DuoDrain®
Composite Drainage Product



Interlock
Extruded HDPE Geogrids



Televev
High Strength
Woven Geotextile



East Coast
Biodegradable
Erosion Control



Knotblock®
Japanese Knotweed Barrier



Tenax
Soil Reinforcement Solutions



Ekotex®
Non Woven Geotextile



Landlok
Turf Reinforcement Mat



Total Traffic Exopave
Heavy Duty Paver



Fiberforce®
Equestrian Geotextile



Nicospan
Erosion Control



Trinter
Erosion Control Mat



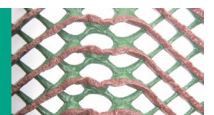
Fibertex
Non Woven Geotextile



Rhyno®
Woven Geotextile



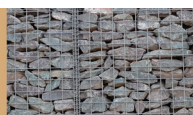
Turfmesh
Grass Reinforcement



Flexitex
Textile Shuttering



RockBox
Gabion Mattresses



RootBlock
Root Barrier

