



Case Study

Duodrain® DD12 Drainage Composite

Location:

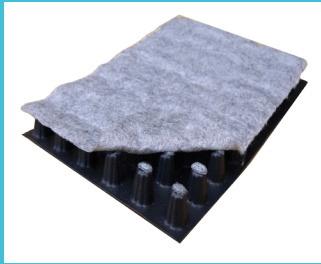
South Quay
Swansea
SA1

Client:

Quest Property &
Carillion Building

Project:

Creation of New
Apartment Blocks



Contractor:

Blakedown Landscapes



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The recreational area to the rear (dock side) of the development was on a raised deck above the underground car-parking and maintenance level.

With views over the south docks the developer wanted to create an attractive area for residents with a hard landscaped area incorporating architectural planters and ponds.

The majority of this work was carried out on top of a concrete podium. Including construction of block and rendered walls, installation of bespoke granite copings, timber planters, water pools and the installation of various types of surfacing. As the deck required waterproofing the client needed to ensure that the surface water would be quickly captured and directed into the storm water drainage system so that the deck would not become saturated damaging the structures below. A system needed to be found that could form a continuous blanket under the entire area. Geosynthetics Duodrain® DD12 was chosen by the client as the product to achieve this because of its ability to meet the specifications and its low profile (only 12mm).

Installation was made very quick and simple because of the large, 50m², roll size as well as its simple jointing procedure (no tape



required).

Additionally whilst we were working with the contractor on this contract we were asked if we could provide pond liners for the five separate ponds on the deck. We were able to provide bespoke box liners using our Aqua Block GS0.75m Rubber Membrane, adding the finishing touches to this very stylish project.

This project has resulted in a very attractive recreational area, overlooking the docks provided with a complete drainage solution.

The benefits of using Duodrain® DD12 in this case were:

Long design life — To satisfy the consultant/client

High compressive strength — To cope with surcharge material

Quick and easy installation — Simple jointing and large roll size

Competitive price per m² — Large quantity required





Geosynthetics
Engineered Solutions

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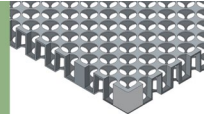
2 in 1
Landscaping Fabric



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



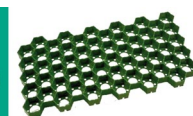
Strataweb
Slope Stabilisation



Bentotex® GCL
Geosynthetic Clay Liner



Golpla
Grass & Gravel Paving System



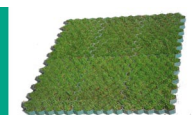
T-Block
Modular Retaining System



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



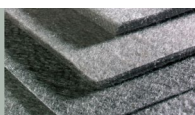
Nicospan
Erosion Control



Trinter
Erosion Control Mat



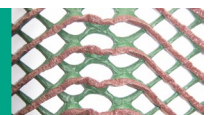
Fibertex
Non Woven Geotextile



Rhyno®
Woven Geotextile



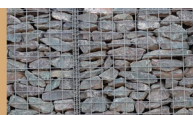
Turfmesh
Grass Reinforcement



Flexitex
Textile Shuttering



RockBox
Gabion Mattresses



RootBlock
Root Barrier

