Case Study

Duodrain® DD12 Drainage Composite

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 it’s 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

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