

National Bank of Oman banks on Polypipe

Polypipe Middle East provided significant cost and time savings at the Bank's new Muscat headquarters.



50m³
Polystorm
and 3,400m²
Permavoid
installed



When the National Bank of Oman designed its impressive new headquarters with Ibrahim Jaidah Architects and Engineers, it wasn't just the creation of a new 10-storey building that needed to be considered. Whilst traditional concrete storage tanks may have been the usual design approach to manage stormwater, Buro Happold, the chosen Design Consultant, together with Contractor, Al Turki Enterprises, and Ibrahim Jaidah, recognised the benefits of utilising Polypipe's geocellular solutions.

impact of stormwater events, whilst also replacing much traditional underslung pipework and providing more usable space back to the client. The system was accompanied by an additional 50m³ Polystorm tank to ensure the discharge wouldn't overwhelm the local drainage network.

While initial designs for the concrete tank advised that the installation phase may take several months to complete, Polypipe's engineered geocellular solution could be completed in just a few days.

Polypipe's technical experts undertook regular site visits during the installation phase to offer advice and ensure a right-first-time installation.

Polypipe's Polystorm and Permavoid geocellular solutions were not only seen as an alternative to concrete tanks, but through smart engineering offered up to 50% cost savings and significantly reduced installation time.

Polypipe provided a unique solution comprising of a 3,400m² Permavoid tank designed to sit below the podium deck and mitigate the

CASE STUDY

Project

New Headquarters, National Bank of Oman, Muscat, Oman

Client

National Bank of Oman

Design Consultant

Buro Happold Consulting Engineers

MEP Consultant and Supervision Consultant

Ibrahim Jaidah Architects and Engineers

Main Contractor

Al Turki Enterprises

Application

Attenuation, flow control

Products

Polystorm, Permavoid