

Smart Planning for Major New Dubai Residential Project

To mitigate flood events at the new 2,000 home Jebel Ali Hills development, in excess of 70,000m³ of Polystorm has been installed where no local network connection existed.



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of Polystorm
PSM1
installed

The rapid growth of Dubai means that residential space can often be at a premium. To meet demand for housing, innovative developers such as Meraas Holdings are increasingly looking to attract buyers through exciting new residential developments.

The nature of these locations often mean that connecting properties up to amenities such as drainage culverts or sea outfalls is difficult, if not impossible – making the specification of a suitable water management solution a crucial factor.

For the Jebel Ali Hills development, which will host 2,000 residential plots once complete, design consultant Parsons International demanded a robust solution, which Polypipe was able to assist with.

The lack of drainage outfall options made a soakaway solution essential, with Polystorm PSM1 proving ideal.

Polystorm PSM1 was selected for Jebel Ali Hills thanks to the versatility it provided to the project, as well as being fast and easy to install.

Suitable structural calculations in accordance with CIRIA C680 for each geocellular tank location met with the consultants' and Municipalities design requirements and demonstrated Polystorm as a robust solution.

Working with four main contractors throughout the project, Polypipe supplied more than 70,000m³ of Polystorm PSM1.

The engineered cells provide structural tanks that are suitable for use at a range of depths, and beneath a variety of landscaped loads, due to their high strength achieved through the use of virgin material and an engineered product design.

CASE STUDY

Project

Jebel Ali Hills, Roads and Infrastructure Works, Dubai, UAE

Client

Meraas Holdings

Consultants

Parsons International

Contractors

Wade Adams
Ghantoot Road Contracting
Al Naboodah Contracting
Habtoor Leighton Group

Application

Soakaway tank

Products

Polystorm