

07 AL HEYA — UNITED ARAB EMIRATES

SLOPE PROTECTION FOR A WHOLE NEIGHBOURHOOD • DESIGN, TRAINING AND SITE SUPERVISION

PROJECT CASE • AL KHATM, ABU DHABI



Installing the Filter Point mattress on the perimeter slopes — Al Khatm, Abu Dhabi

75,000

M² PROTECTED

FP400

FILTER POINT • 100 MM

14

TRAINED INSTALLERS

48 m³

OF CONCRETE PER SHIFT

The brief: to protect against erosion the slopes surrounding an entire neighbourhood in **Al Khatm, Abu Dhabi** — 75,000 m² of desert sand with slopes steeper than 1H:1V, next to homes, streets and services in use. **Geoquest Group**, which owns Synthetex, called on Ece for the **design, staff training and site supervision**.

The solution: mattress **HYDROTEX® FP400 Filter Point** cast in situ, with panels of up to four sections of 34–35 m, slopes of 17–18 m of development and 50 cm deep anchorage. Output scaled from one truck a day to **six 8 m³ trucks**, with flow control on site (cone, target of 7 seconds) — four truckloads were rejected for segregation before injection.

Our real product was the team: Ece assembled a crew of 14 installers from India and Uganda with an eight-step programme and the teaching system **ILUO** — from the classroom to an individual test at every installation position.



The crew built by Ece, on the finished slope

PROJECT FILE

Project	Al Heya Project — slope protection
Location	Al Khatm, Abu Dhabi (UAE)
Awarding body	Geoquest Group (Synthetex)
Ece's role	Design · training · site supervision
Product	HYDROTEX® FP400 Filter Point
Area	75,000 m ²
Conditions	Slope >1H:1V · extreme heat · 30–40 km/h wind



The FP400 mattress finished, at dusk over the desert