



# CASE STUDY



## Overview

On February 23, 2011, ENKA-Bechtel JV was awarded the Main Contract 3 for the development of the Main Terminal Buildings of the Muscat International Airport.

BEJV was fully responsible for the development and completion of design, procurement, manufacture, supervision, delivery to site, construction, erection, inspection, testing, trial operation, commissioning and maintenance of equipment in accordance with the employer's requirements.

The airport has three main car parking lots and one premium shaded parking. Car park one has capacity for 608 cars and is located east of the airport entrance. Number two is located opposite to the passenger terminal building and can accommodate up to 288 cars. The enclosed car park coating works were awarded to us in 2015.

## Project Details

**New Oman International Airport**

**Area :** 35,000 m2.

**System :** Car Park Coating

**Client :** Ministry of Transport and Communications Public Authority for Civil Aviation

**Consultant :** Hill International

**Contractor :** Bechtel – Enka JV

**Car Park Epoxy Coating**



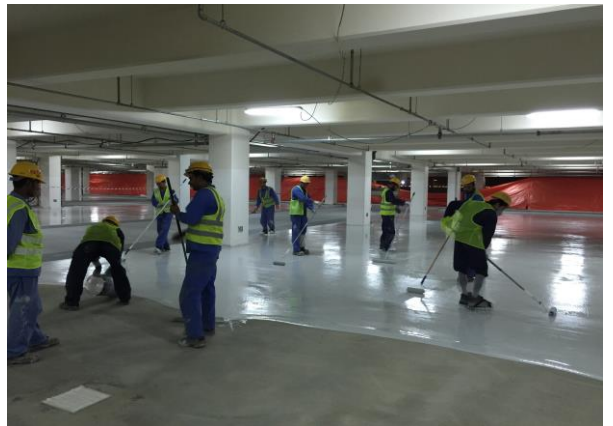
## Challenges

The project was a fast track project and was approved with multiple system for different manufacturers. The challenge was to allocate resources, equipment's and coordinate with different material supplier to ensure smooth and regular inflow of material so milestones and schedules are not effected.





## Photos of Application





## System Used in Car Park



### Raised Medians

Fosroc TF 5000 + Nitocote FC 150

**Nitoflor TF5000** is a three-part solvent-free combination of epoxy resin; modified amine hardener filled with specially graded and selected high crushing strength, chemically inert aggregates.

Topcoat with Fosroc **Nitocote FC 150**

Solvent free, high build , epoxy resin floor coating



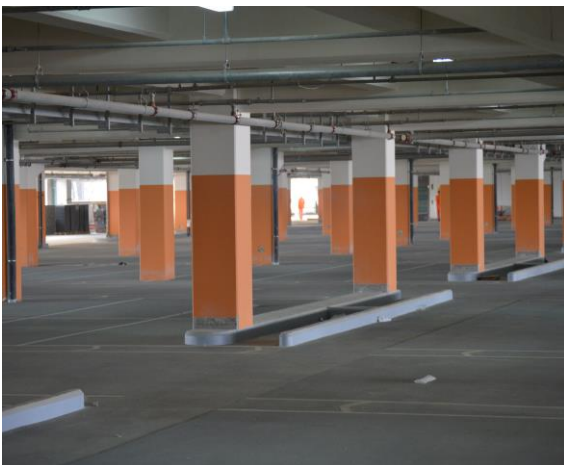
### Car Park Area

Jotun **Jotafloor PU Universal** + Aggregate + Jotafloor PU topcoat.

Jotafloor PU Universal is a two-component aromatic isocyanate-cured polyurethane coating suitable for creating seamless floors.

Topcoat with **Jotafloor PU Topcoat**

Jotun Jotafloor PU Topcoat is a two-component isocyanate cured polyurethane coating. It is a high performance, non-yellowing product.



### Driveways

Fosroc **Traffic Guard UR 150** + Aggregates

Hard wearing, skid resistant, flexible flooring system

Topcoat with Fosroc **Traffic Guard UR 150**

Intermediate layer of Fosroc Aggregates.



## Support from Manufacturer

Both the suppliers Jotun as well as Fosroc were very supportive and made sure the materials for the project was dispatched on time and required site assistance was provided when ever called for.

Abu Ans LLC is a certified applicator for Jotun & Fosroc, our team has been trained and certified the them. Best of equipment's were deployed in this project [ Blastrac machines, heavy duty vacuum and grinding machines ]. With the best of tools and a trained team the works were completed in record time and to the satisfaction of the Client and Consultant.

## Specialized Application

Abu Anas LLC is specialized is Flooring, Waterproofing, Concrete Repairs, Thermal Insulation & Decorative flooring application in Oman.

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