



## Al-Turki Business Park Dhahran – KSA

**CUSTOMER**  
Al-Turki Group

**SECTOR**  
Commercial Buildings

**DATE**  
April 2011

### PRODUCTS

- Proofex OGP – Waterproofing
- Nitoflor EPU100 – Flooring
- Dekguard E2000 – Coating

### THE PROJECT

Al-Turki Business Park is one of the most prestigious office complexes in Dhahran city. It incorporates a 14-storey ultra-modern “Tower” and a block of ten buildings, “The Lofts”.

The 2-level basement of the Park consists of a 16,000m<sup>2</sup> car parking and three concrete tanks which will feed the complex with potable water. One of the major concerns in these two contiguous structures, the parking and the tanks, is to provide the floor of the first with traffic-resistant topping and to protect its walls from vehicles exhaust gases, and to ensure effective watertight containment for the second.

Known for its comprehensive waterproofing and concrete protection solutions, Fosroc was consulted, and its proposed system was favored due to its practicality and durability.

### THE SOLUTION

In order to maintain watertight protection for the tanks, a double-lining waterproof system was used. The system had to be compatible with potable water and it consisted of Nitocote CM210 elastomeric cementitious coating, and Proofex OGP Thermoplastic Polyolefin membrane, which was applied as a loose-fit “tank-in-tank” lining system.

The floor of the car parking was coated with 500µm of abrasion resistant epoxy-polyurethane based Nitoflor EPU100, and the walls were coated with anti-carbonation coating system, Dekguard E2000, which possesses breathability property, allowing the water vapor accumulated in the structure to escape. With the attractive appearance and various colors of the coating, the parking lot exhibited a marvelous decorative finish.

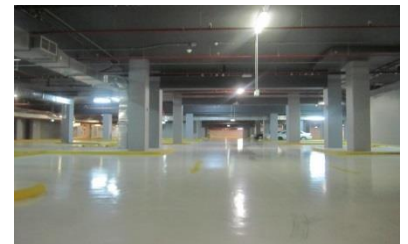
### THE BENEFITS

Before the official opening of the complex, various quality assurance tests were carried out, including flood tests for the tanks to ensure water tightness; when showed successful results, the client affirmed that his two structures were in the hands of an effective protective system that would bring him peace of mind throughout their service.

The solutions provided by Fosroc for the two structures were cost-effective, focusing in both on long-term durability, technical compatibility and practicality. Moreover, Fosroc’s service quality was highly appreciated by the project consultant and it was, as he describes it, always there as a reliable source of solutions for his problems.



Proofex OGP water containment system inside the tanks



Nitoflor EPU100 flooring & Dekguard E2000 coating in the Parking lot



Al-Turki Business Park is a landmark Office Complex in the city of Dhahran