

## Floorzone Concept Takes Off in the Middle East



• Product: Isocrete K-Screed, Deckshield, Flowfast Quartz, Flowfresh HF • Market Sector: Airports  
• Location: UAE • Client: Dubai International Airport • Date: 2009

Flowcrete has added to its portfolio of prestigious projects with a major installation at Dubai International Airport in one of the largest assignments undertaken by the company. A selection of Flowcrete's specialist systems – including screeds, car park decking, hygienic and fast-track floors - have helped the new Terminal 3 and Concourse 2 developments take off in style.

For the final deck coating in the multi-storey car park, Flowcrete's flexible waterproof Deckshield system was specified, with some 110,000m<sup>2</sup> installed on all five levels, including the top deck. The fully trafficable, polyurethane resin system will help protect the building structure from damage typically encountered by multi-storey structures where structural movement caused by constant traffic flow in and out can lead to eventual deterioration of the substrate and host concrete.

A further 260,000m<sup>2</sup> of Deckshield was installed in other high traffic areas including all service road ways underneath the Terminal Complex, the baggage handling areas and in all plant rooms. The formulation used is fully UV resistant, with a profiled anti-skid surface helping to minimise tyre squeal and reduce noise pollution.

For the multi-storey car-park facilities, the entire area was first installed with a semi-dry cementitious screed known as Isocrete K-Screed. Some 40,000m<sup>2</sup> of the same system was also installed beneath the external tiles at the passenger set down area in the Departures Hall.

For the kitchen facilities within the development, Flowcrete provided its Flowfresh system meeting the criteria for durability and ease of cleaning. The seamless polyurethane floor incorporates Polygiene®, an antimicrobial agent which utilises the natural purification qualities of silver to deliver round the clock protection against a wide range of bacteria. A similar system known as Flowfast Quartz was also installed in the cold storage area.