



Jumeirah Lakes Towers

Dubai



Project

The showpiece Jumeirah Lakes Towers mixed-use development in Dubai faced increasing pressures on its car parking areas from visitors due to its increasing popularity.

The Dubai Multi Commodities Centre (DMCC) turned to experts at Sherwin-Williams for advice who made a full examination of the project needs including requirements for the highest level of coating flexibility due to the unusually high volumes of traffic.

The spectacular 730,000 square metre JLT development consists of 80 towers along the edges of three artificial lakes, Lake Almas West, Lake Almas East, JLT Lake as well as the JLT Embankment of eight towers facing Jumeirah Islands.

For these specific needs, Sherwin-Williams recommended its specialist polyurethane car park deck coating system Resudeck for the 10,000 square metre project.

Substrate: Concrete.

Requirements: To be flexible, anti-slip and durable to withstand heavy traffic.

Specifications: Meeting all relevant environmental and health and safety regulations.

Area coated: 10,000 m².

Client: Dubai Multi Commodities Centre (DMCC).

System

Resudeck provides the flexibility to bridge dynamic cracking which can be caused by high density traffic as opposed to other hybrid systems which are often rigid and brittle and prone to failure.

The highest level of durability with flexibility comes from a formulation using a both a polyurethane top coat and a polyurethane primer. Other hybrid systems which have epoxy primers do not provide resistance against cyclical movement and deflection in the slabs or decks of the car parking areas caused by the sheer volumes of traffic.

The tailored formulation of Resudeck ID and TD – with a sufficient amount of resin content – was developed by Sherwin-Williams' scientists to create a finish which can withstand the consistent heavy usage of traffic over the car park areas whilst being solvent-free and waterproof.

With a high aesthetic finish in specially formulated grey and red to match existing areas, Resudeck's anti-slip surface also ensures a safe, bright environment for visitors underfoot with minimal tyre squeal with high chemical resistance enabling it to withstand petrol, diesel or brake fluid spillages.

Benefits also include lifetime cost savings for the operators of JLT who have the reassurance that the car park areas will continue to provide a safe, clean surface for visitors for many years to come.

Ian Graham, Managing Director of Pegasus Contracting Co, the Sherwin-Williams' approved applicator for JLT, said: "We have a close working relationship with the Dubai Multi Commodities Centre and together with Sherwin-Williams we were able to deliver the solution to a rigorous challenge."



To learn more, contact us

Europe & Africa: +44 (0)1204 521771 sales.uk@sherwin.com

Middle East & India: +971 4 8840200 sales.me@sherwin.com

North America: +1 800 524 5979

Asia: +8 621 5158 7798

www.protectiveemea.sherwin-williams.com