

UHPC FACTORY ZOUK MOSBEH, LEBANON

CCL Client: DHPPB

Consultant: SERT

Main Contractor: CCL - DHPPB

Project Date: November 2018



Derviche Haddad PPB Structures (DHPPB) was asked to build the first factory in the Middle East specifically dedicated to the production of Ultra-High Performance Concrete (UHPC).

The factory was designed as a steel structure with 1,100 m² of post-tensioned slab on grade. DHPPB brought in its specialist Surface division to engineer a flooring solution suitable for a very aggressive environment and harsh chemical spillages.

There was the requirement for the floor slab to include a gradient to allow for drainage. The specification also stipulated it must be dustproof and abrasion resistant to ensure optimum productivity for the facility.

CCL's Surface division successfully executed the slab on grade, achieving a seamless, jointless and superflat floor with an aesthetic finish which is resistant to UHPC spillages. A very high gloss factor of 73 was attained.

Surface Jointless Flooring System - DHPPB

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