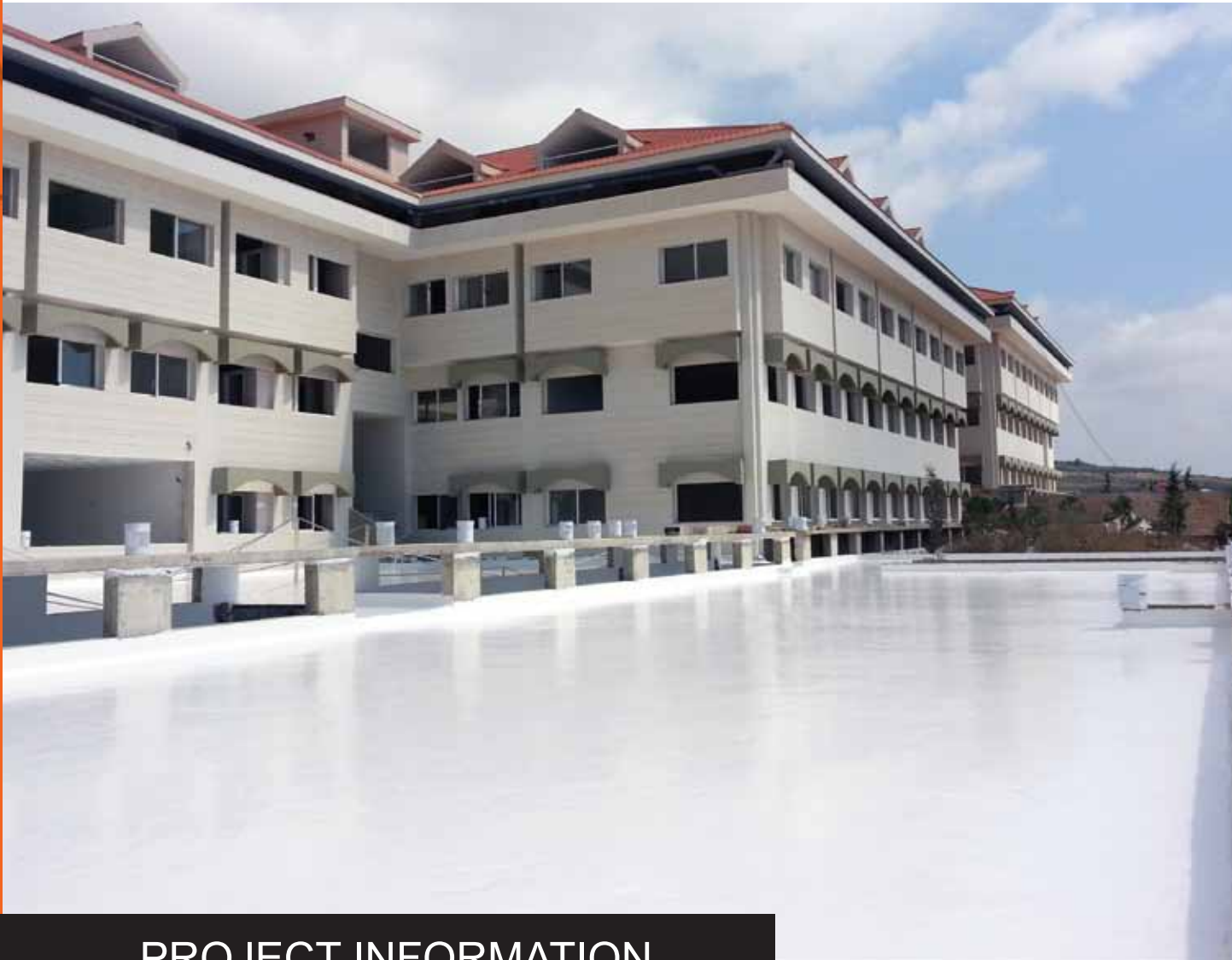


Case Study



PROJECT INFORMATION

Project name: Islamic University of Lebanon

Contractor: Eng. Ihab Khalil

Location: Al Werdanieh, Lebanon

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PROJECT REQUIREMENT

Task at Hand

The main contractor for the Islamic University contacted DCP for help in choosing products that will create a waterproofing system for the floor in their open playground.

The system they needed included treatment for drainage, electrical openings and expansion joints in Al Werdanieh, Lebanon. They also needed protection and tiling for the playground floor, which has a total area of 1403 m².

DCP SOLUTION

In order to achieve waterproofed floors in the Islamic University opened playgrounds, before protection and tiling, DCP created a solution that required the use of different products and techniques.

First, to repair the concrete, DCP suggested the use of **Flo-Grout 2** and bonding agents **Cempatch AB** and **Quickmaft 108** for drainage and electrical points. For concrete skirting at the edges, DCP added **Cempatch SBR100** and fibres to concrete mix and bonding agent **Cempatch AB**. To address the expansion joints, polyurethane primer and mastic, **Flexseal PU Primer** and **Flexseal PU440**, were used. For the waterproofing systems for the floors, DCP used three coats of polyurethane liquid membrane, **Aquathane R200**, at the rate of 1.6 kg/m².

Products and Quantities Supplied

Flo-Grout 2	18 bags	25 kg each
Cempatch AB	2 pails	5 ltr each
Quickmaft 108	1 set	1 kg each
Cempatch SBR100	2 pails	25 ltr each
PP Fibre 12 mm	2 bags	0.6 kg each
PP Fibre 6 mm	1 bag	0.6 kg each
Aquathane R200	90 pails	25 kg each
Flexseal PU440	36 sausage	0.6 ml each
Flexseal PU Primer	1 set	0.5 ltr each

Supply Period

August 2015

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