



Parathane liquid waterproofing for the roofs of the Student Housing in Doha

Qatar Foundation has commissioned the development of Student Housing complexes for students joining the many renowned international universities on the main campus in Education City, just outside Doha.

The project has been driven by the need to provide the Qatari and overseas students with adequate facilities and a state-of-the-art educational experience.

Treanor Architects in association with Burns & McDonnell Engineering collaborated to the student housing design, making use of the most recent innovations in technology aiming at a sustainable building management resources. All buildings are LEED Platinum certified.

Siplast Parathane liquid waterproofing solution has been chosen to waterproof all ten buildings roofs for 11,000 m² of surface in total. Tadmur Roofs and Pools W.L.L. local contractor realised all the waterproofing works.

The Parathane Liquid Waterproofing system includes multiple coats of polyurethane coating. The Parathane solution is cold applied and allows a rapid and seamless protection that naturally accommodates to complex roof details without the application of heat torching. The white colour was chosen to provide a sunlight reflective effect and as a consequence to act as a cooling white surface that minimises heat absorption.

The system provides protection performance and durability comparable with traditional bitumen roofing felts: it is extremely resistant to stresses due to structural movement or thermal fluctuations and foot traffic. It is vapour permeable, a feature that eliminates the risk of surface blistering through vapour pressure.

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Project information

Name of the project: Male and Female Student Housing complex

Owner: Qatar Petroleum – Qatar Foundation

Building Contractor: Man Enterprise Qatar, J & P Qatar

Design Architect: TREANOR ARCHITECT P.A (USA)

Executive Architect: Burns & McDonnell (USA)

Program & Construction Management: KEO

Waterproofing contracting firm: Tadmur Roofs and Pools W.L.L

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