



Safety rails are installed in place for Stage 2



The team form up the hob and dowel in the reo



The finished job is attractive and waterproof

PRESERVATION TECHNOLOGIES

CASEFILES

Team waterproofs high-rise overlooking Manly

The problem: The existing roof membrane, which was spread over four distinct roof areas at different heights, had reached its use-by date and needed upgrading. In addition, water was ponding in some areas and under high wind conditions was washing over the old timber perimeter turn-ups and down onto pedestrians below. In turn this timber turn-up had deteriorated and needed replacement.

The constraints: All debris and materials had to be transported to and from the seven storey roof by external means. In addition, safety was a major concern as the roof areas had no balustrade system in place. Finally, the two main roof areas were separated by the central core of the building and the two other roofs were at higher levels.

The solution: All materials and debris were transported in a materials hoist attached to the side of the building. The team erected a safety handrail to each perimeter roof area as work progressed to ensure safe work conditions. A specification was developed to remove the existing membrane, install a new screed and perimeter hob and two-layer torch-on membrane system.

The methodology: Having installed the materials hoist and safety system, the team removed the existing membrane and screed to expose the roof slab for inspection. The team constructed a reinforced concrete hob to the perimeter of the roof followed with a new site-mixed polymer screed topping laid to falls. The new topping was then primed and two layers of torch-on membrane applied to approx 300m², the second layer being a mineral finish. The membrane was detailed into existing outlets and also up the hob. Finally a colorbond capping was installed over the hobs.

The result: Project successfully delivered with no safety issues.

Project engineer: Mahaffey & Associates

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To Whom It May Concern

Re: Reference for Preservation Technologies Pty Ltd

Mahaffey Associates recently awarded a contract to Preservation Technologies on behalf of Strata Plan 38, to undertake a remedial waterproofing contract to the various roof levels at 66 Darley Road, Manly.

The contract involved establishing a materials handling system, removing the existing membrane from two large roof areas as well as two smaller but higher up plant room roofs, building new perimeter concrete hobs, laying a new screed to falls and finally a two layer torch-on membrane to all of the roof areas. The concrete hobs were capped to complete the final waterproofing of the roof areas.

Preservation Technologies proved to be very professional in the delivery of the project and worked in a team environment as technical issues arose on the project. They delivered quality workmanship, met the targeted program milestones, whilst working in a safe environment on top of the high level roof areas.

Please feel free to contact the undersigned to provide a reference for Preservation Technologies.

Yours Faithfully

M. Joseph

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Mark Joseph

Site Engineer

Specialist Consultants in

-Concrete Technology

-Structure Condition Assessment

-Building Repair Management

-Materials Testing

-Product Development

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