

CASE HISTORY

NOVEMBER 2015



POLYMER GROUP LTD

POLYUREA
WATERPROOFING

SUTHERLANDS 1 RESERVOIR TANK LINING

PROJECT: Polyurea Waterproofing for Concrete Water Tank Roof
Owner/Consultant: Christchurch City Council / City Care
Address: Sunderlands 1 Reservoir Christchurch
Products: Aquagard M Primer, Endurathane 6000 Polyurea, Ultraure A-80 Topcoat
Contractor: NZ Spray Linings

Water is pumped around the Christchurch city fringe and stored in water tanks for supply to the outer suburbs. The tank roof was no longer sealed and could allow contaminants to enter the reservoir.

The segmented concrete tank roof joints were not repairable. City Care requested a monolithic seamless membrane be installed to keep out contaminants.

The 44 roof joints were addressed and a polyurea spray lining applied over the concrete roof followed by a decorative top coat.

The project was carried out in August/September 2015 and managed around snow and strong winds. The project was completed September 2015.



WATERPROOFING CONCRETE WATER TANK ROOF





SOLUTIONS FOR EXTREME ENVIRONMENTS

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Property Asset Protection is the company's major focus, providing proven, durable solutions for the **protection of structural steel, concrete and timber** structures.

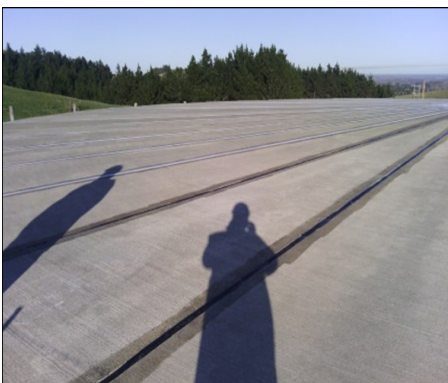
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Surface coating Technology Advances offer multiple choices to the asset manager and civil engineer who is seeking long term solutions and minimum downtime, but not always able to provide an optimum application time frame.

Maintenance Assessments and specification Options give the client the opportunity to inspect and discuss the asset with experienced personnel, taking into consideration the exposure environment, past performance of any existing protection systems, available downtime and other constraining influences.

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- Endurathane Spray Applied Polyurea Membranes for secondary containment and tank linings.

- Rhino Linings® Polyurethane Coatings
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