CASE HISTORY

MARCH 2012

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SOLUTIONS FOR EXTREME ENVIRONMENTS

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CUI COATING AND INSULATION

SHELL TODD OIL SERVICES TANK T101 PARITUTU

PROJECT:	CUI Coating and Insulation of Tank T-101, Paritutu Tank Farm, Taranaki.
Owner:	Shell Todd Oil Services
Environment:	Coastal, atmospheric corrosivity category E-M
Project Specification:	Jotun Tankguard Storage / Endurathane SR52 / Enduracryl PUR coating (Polymer Group)
Contract Applicator:	Polymer Group Ltd, Contracting Division and Highgrade Coatings Ltd

Project Brief:

Tank T-101 is a mild steel tank with floating lid. The tank is heated to prevent the build up of waxes on the tank walls that could cause the floating lid to seize up.

The tank was stripped of its original thermal insulation and inspected for corrosion under insulation (CUI). It was then cleaned and abrasive blasted and Jotun Tank-guard Storage was applied at a total DFT of 300 microns. Endurathane SR52 polyisocyanurate foam was sprayed applied to a thickness of 50 mm. Finally the foam insulation was sealed and protected with Enduracryl PUR coating at a total DFT of 400 microns.

Jotun Tankguard Storage was recommended as the coating under insulation to prevent CUI.

This project was specified and materials supplied by Polymer Group. The project was supervised and quality assessed by the contract division of Polymer Group.

"The implementation of the contract through its various stages was executed perfectly given the site conditions. I would be very happy to recommend. Thanks guys for your professional job, well done", Ron Berry, Consultant to STOS.

THE COMPLETED TANK T-101

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Polymer Group Ltd is an applied technology company comprising a team of industrial chemists, engineers and qualified coatings inspectors which has served New Zealand industry for over 25 years.

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

Wear resistant, Anti-corrosive Protection Systems are engineered to provide optimum performance and extended maintenance intervals.

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.

Sole Responsibility Material Supply and Application Contracts provide the client with further reassurance that their protection/maintenance systems are supplied and installed by a Quality Assured, company.

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