

Coating of tank roofs, Israel

POLYUREA

Construction Contractor	Bazan Ltd.
Consultant	Orokia Ltd.
Coating Contractor	Polymer Group Ltd.
Project	Tank roofing
Area	300m ² - 8 tank tops
Construction	December 2011
VIP System	QuickSpray Eco



Project Description

Water was introducing into the polyethylene tanks in this polyolephins plant and caused damage to the material. The contour of the tank top, with many screws and rivets, made its waterproofing difficult task. Bazan Ltd. required a fast curing surface coating with high mechanical abrasion resistance, no VOC contents, no cracking and stable features for restoration and waterproofing for the complete roofs. Application with 1:1 heated, high-pressure, plural component equipment. Pressure of time for fast completion and cost advantages favoured QuickSpray eco from VIP Germany, a Polyurea hybrid 2-part coating system (aromatic) derived from a reaction of isocyanate and amine terminated resin.

Processing steps:

- high pressure washing of surface
- grit blasting of steel
- priming
- QuickSpray eco @ 2mm applied

A storm heated Haifa bay area few hours after the job was completed! Heavy rain and strong winds tested the waterproofing ability of the system at the same day it was installed. The maintenance crew was more than satisfied to discover that the precious material inside the tanks remained dry.

