

SOLVING THE SEALING PROBLEM ON THE ROOF OF THE FUEL STORAGE TANK WITH BELZONA

ID: 8708



PROBLEM

Rainwater was leaking from the external surface of the tank roof through the seams. The client tried to use a different system to fix the problem, although that solution was unsuccessful.

APPLICATION SITUATION

Reparation on the external surface of a storage tank roof suffering from water ingress. This tank farm is used for supplying and storing Jet A1 (Kerosene) fuel to aircrafts at an airport in Turkey. Each fuel tank has a storage capacity of 30000 m3.

APPLICATION METHOD

This application was carried out in accordance with a modified version of system leaflet TCC-04. After decontamination of the previously applied and unsuccessful systems, surface preparation and then cleaning with the Belzona 9111 was carried out on the application substrate. Belzona 3921 conditioner was then applied to the substrate to ensure the Belzona 3111 would adhere. In order to ensure tightness, Belzona 3111 was applied in two layers, incorporating Belzona 9311 reinforcement tape.

BELZONA FACTS

The leakage test performed after the application was successful. The customer was very satisfied with this result, and the same successful application was then repeated on a further 2 tanks in the storage facility.

INDUSTRY

Oil & Gas

LOCATION

Tank Farm, TURKEY

APPLICATION DATE

April 2021

PRODUCTS

Belzona 9111 (Cleaner Degreaser)
Belzona 9311
Belzona 3921 (GSC Surface Conditioner)
Belzona 3111 (Flexible Membrane)

SUBSTRATE

Aluminium

PHOTOS

- 1.) General view of fuel storage tanks
- 2.) Failed current system
- 3.) Taping and Belzona 3921 application
- 4.) A view from the Belzona 3111 application

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