

Solving the Sealing Problem on the Roof of the Fuel Storage Tank with Belzona

ID: 8708

Industry: Oil & Gas
Application: TCC-Tanks and Chemical Containment Areas

Customer Location: Tank Farm, TURKEY

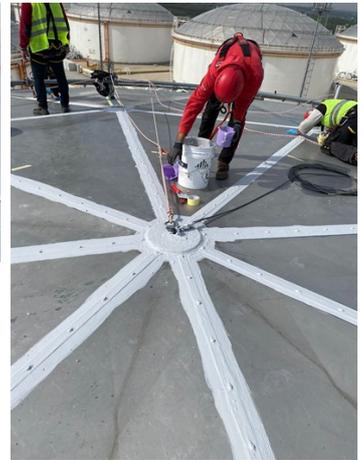
Application Date: April 2021

Substrate: Aluminium

Products: * Belzona 9111 (Cleaner Degreaser),
* Belzona 9311,
* Belzona 3921 (GSC Surface Conditioner),
* Belzona 3111 (Flexible Membrane),

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.



Photograph Descriptions

- * 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 ,

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

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FS 695214
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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.

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