

Belzona Seals Rivet Tank

ID: 8098

Industry: Oil & Gas
Application: GSS-Gaskets, Seals and Shims
Substrate: Steel
Products: * Belzona 4111 (Magma-Quartz) ,
* Belzona 3921 (GSC Surface Conditioner) ,
* Belzona 3111 (Flexible Membrane) ,
* Belzona 9311 ,
* Belzona 5811 (Immersion Grade) ,

Customer Location: Italy
Application Date: 2018

Problem

An existing coating had failed at the base of a rivet tank and degraded due to UV exposure. With the tank base unprotected moisture ingress was able to seep underneath the tank as the tank expanded and contracted causing further corrosion.



Photograph Descriptions

- * 1. Deteriorated base ,
- * 2. Belzona 4111 chamfer angle ,
- * 3. Belzona 5811 + 3111 first coat ,
- * 4. Finished application ,

Application Situation

Sealing the base of a rivet tank to protect it against corrosion.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
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Application Method

This application was carried out in accordance with system leaflet GSS-03. The base of the tank was grit blasted to Sa 2.5 before Belzona 4111 was used to rebuild and create a chamfer angle for the rain water to run off before installing the Belzona tank base sealing system. Once the angle had been created, Belzona 5811 was applied a meter above the application zone for added corrosion resistance. After, the Belzona 4111 was frost blasted and then the whole application areas was conditioned with Belzona 3921 before applying a 2 coat system of Belzona 3111 with the Belzona 9311 reinforcement sheet.

Belzona Facts

The existing coating had failed due to UV exposure, the client went with the Belzona solution as it offers resistance against UV attack and is a flexible system which allows trapped vapors to escape through the system

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