

Belzona Tank Base Sealing System Applied to Nitrogen Tank

ID: 8529

Industry: General Industry
Application: GSS-Gaskets, Seals and Shims
Substrate: Steel
Products: * Belzona 3131 (WG Membrane) ,
* Belzona 4131 (Magma-Screed) ,

Customer Location: Industrial gas supplier, UK
Application Date: June 2021

Problem

The tank had developed a void between its annular ring and plinth substrate. The asset owner had concerns that if the void had been left to deteriorate, adverse weather conditions and moisture/condensation would accumulate and track under the base of the tank. This would inevitably lead to corrosion of the tank base, leakage or even a tank failure.



Photograph Descriptions

- * 1. 15m diameter tank to be repaired ,
- * 2. Belzona 4131 being applied ,
- * 3. Tank base sealing system in progress ,
- * 4. Completed application ,

Application Situation

Elevated nitrogen storage tank

Application Method

Once the substrate has been prepared to a standard of minimum surface profile of 75µm and a surface cleanliness of SA 2½, Belzona applicators rebuilt the damaged areas under the annular ring using Belzona 4131 to a 45° fillet which will encourage water flow away from the tank. Once complete the Belzona Tank Base Sealing system was applied in accordance with Know-How system leaflet GSS-03 using Belzona 3131 at a 500mm wide band around the complete circumference.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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Belzona Facts

The application was completed by Belzona, specialist application services in the UK. The customer was delighted with the application and has now requested a series of site surveys for concrete repairs across the site.

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