

BELZONA TANK BASE SEALING SYSTEM APPLIED TO NITROGEN TANK

ID: 8529



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.

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.

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.

INDUSTRY

General Industry

LOCATION

Industrial gas supplier, UK

APPLICATION DATE

June 2021

PRODUCTS

Belzona 3131 (WG Membrane)

Belzona 4131 (Magma-Screed)

SUBSTRATE

Steel

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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