

Belzona seals leaks in clear water storage tank

ID: 8915

Industry: Water / Wastewater

Customer Location: Scotland

Application: TCC-Tanks and Chemical Containment Areas

Application Date: November 2022

Substrate: GFRP

Products: Belzona 1981 (SuperWrap II), Belzona 5811DW2 (DW Immersion Grade)

Problem

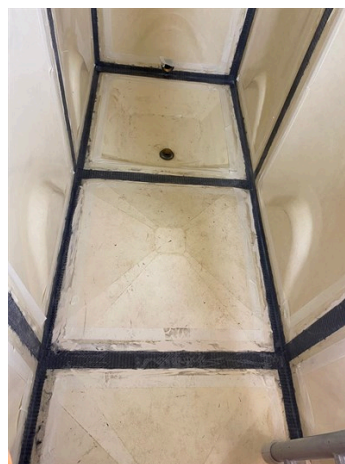
Due to the design of the tank sealing these joints from the external is very challenging. A solution that ensured the leaks would be stopped was required. The flexibility of the GRP also had to be considered during load/unloading of the tank.



Storage tanks



Belzona 1111 applied to fair the gaps between the tank sections



Belzona SuperWrap 2 system applied to the tank joints



Belzona 5811DW2 applied as a top coat

Application Situation

A clean water storage tank had developed several leaks from the sectional joints that hold the tank together.

Application Method

The GRP areas were prepared mechanically to a 40 micron profile. It was decided to repair all the joints to ensure no leaking areas were missed.

Belzona 1111 Supermetal was applied to fill the gap inbetween the joints. Belzona 1981 with Belzona 9381 was then applied as a band over the joint areas.

Two coats of Belzona 5811 DW2 were then applied over the bands to terminate back onto the GRP of the tank.

Belzona Facts

By using the Belzona system the tank could be repaired promptly with minimal disruption to the tank & surrounding areas of the plant.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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The Belzona 1981 SuperWrap II system is able to cope with the movement of the tank during the loading/unloading cycles.

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