

# Marine Sewage tank repaired with Belzona

ID: 8676

Industry: Marine

Customer Location: Scotland

Application: VPF-Valves, Pipes and Fittings

Application Date: December 2021

Substrate: Mild Steel

Products: \* Belzona 1212 ,  
\* Belzona 1981 (Superwrap II Resin) ,  
\* Belzona 9381 (Superwrap II Reinforcement) ,  
\* Belzona 5811 (Immersion Grade) ,

## Problem

Replacing the tank was not possible due to it's location in the bowels of the ship. Previous coating systems had not lasted as long as hoped.



## Photograph Descriptions

- \* 1 - Existing coating system breaking down ,
- \* 2 - Belzona Superwrap II system applied to the base of the tank ,
- \* 3 - 1st coat of Belzona 5811 applied ,
- \* 4 - 2nd coat of Belzona 5811 applied & left to cure ,

## Application Situation

A marine sewage tank was identified as having thin wall areas on its base caused by corrosion. The existing protective coating system inside the tank had broken down. A repair & protection system was required to extend the life of the asset.

## Application Method

The application was carried out in a modified version of Belzona System Leaflet VPF-11 The tank internals were grit blasted to SA2.5 & 75 microns. All of the existing lining was removed. Areas of pitting and metal loss were faired with Belzona 1212. The full tank floor was then reinforced with the Belzona Superwrap II system. Two coats of Belzona 5811 were then applied over all areas of the

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FS 695214  
ISO 14001:2015  
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tank internal to provide future corrosion protection.

## Belzona Facts

The full application was carried out over four days. The Superwrap II system was able to deal with the complex geometry inside the tank, negating the need for cutting metal doubler plates to size & manoeuvring them inside the tank. Belzona 5811 Immersion Grade has been proven to be a highly chemical resistant coating system that has a long life in similar environments.

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