

# Belzona protects inner wall of hot water tank

ID: 8294

Industry: Marine  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Steel  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 5892 ,

Customer Location: Shanghai  
Application Date: April 2020

## Problem

The inner wall of the tank is seriously corroded and experienced a few failed repairment, which affects the normal use of water and requires long-term anti-corrosion protection.



## Photograph Descriptions

- \* The hot water tank before application ,
- \* Surface preparation ,
- \* Pit area filled ,
- \* Coating application complete ,

## Application Situation

This hot water tank has been used for more than 10 years, mainly used to store and heat the freshwater made by the machine for the domestic water supply of the ship's staff. The coating has been repaired frequently. The interior is severely rusted. The thickness of the old coating is up to 1cm, accompanied by serious pit corrosion and even perforation. Internal medium: desalination of deionized water, heating, conductivity, etc.

## Application Method

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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Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5 and TCC-16b. Surface preparation shall be carried out for the tank area. After sandblasted to the required roughness, clean the surface and fill the pit area with Belzona 1311. Apply the first layer of Belzona 5892 for corrosion protection, then the second layer within the overcoating window. Wait for the product to cure, and then recoat the corner areas before the application complete.

## Belzona Facts

This project is the second tank lining protection project for this asset owner. The sample test was done and the application on two hot water tanks was completed in 2019. The owner was very satisfied with our products and application technique, who is very happy to promote our brand to their contacts.

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