

# Application of Belzona on sea water strainer

ID: 9500

Industry: Chemical & Petrochemical

Customer Location: Mina Abdallah, Kuwait

Application: TCC-Tanks and Chemical Containment Areas

Application Date: February 2024

Substrate: Carbon steel

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal)

## Problem

Basically the customer was facing severe corrosion issues, as the strainer was exposed to the sea water. Due the aggressive nature of the sea water, there would be a complete metal loss eventually leading to the leakage of the strainer.



Condition of the shell after exposing to the sea water

Condition of the shell cover after exposing to the sea water

Belzona 1311 & Belzona 1321 application for the internal shell.

Completed application of Belzona 1311 & Belzona 1321

## Application Situation

The fabrication of a new strainer would cost them more than Belzona and the client had no time get a new one. Belzona solution has not only saved their cost but also helped the plant to run smoothly with minimum downtime.

## Application Method

1. The entire strainer and cover was grit blasted to obtain near white metal finish.
2. After the grit blasting, the entire dust was removed the using compressor air blower, and degreased to remove the residue
3. Belzona 1311 was mixed & applied to smooth out the welding joints and projections.
4. Belzona 1321 was mixed applied as per the IFU.

The entire coating was completed using Belzona applicator & brush.

16kg of Belzona 1311 and 103kg of Belzona 1321 have been used for entire application.

## Belzona Facts

Belzona has provided quick and easy application solution, with minimum downtime of the equipment.

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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