

# Reconstruction of a concrete tank in the pre-treatment plant using Belzona

ID: 8053

Industry: Chemical & Petrochemical

Customer Location: Poland

Application: WPA-Wall Problem Areas

Application Date: 2019

Substrate: Concrete

Products: \* Belzona 4111 (Magma Quartz),

\* Belzona 4311 (Magma CR1),

## Problem

*Destruction of the existing chemical resistant coating and significant losses in the tank ceiling beams. Degradation of the coating by chemically aggressive wastewater and their vapors. Cavities and cracks in the concrete walls and ceiling of the tank. Chemical corrosion of concrete resulting in weakening of floor beams.*



## Photograph Descriptions

- \* Treatment Plant ,
- \* Treatment Plant Problem ,
- \* Treatment Plant Application ,
- \* Treatment Plant Complete with Belzona 4111 & Belzona 4311 ,

## Application Situation

Reconstruction of defects and chemical protection of the concrete tank in the pre-treatment plant.

## Application Method

The application was completed in accordance with Belzona System Leaflet TCC-15 Thorough cleaning under high pressure, scraping and abrasive blasting of walls and tank ceiling. Conditioning of the deep cavity surface with Belzona 4911 and then repairing with the Belzona 4111

## Belzona Facts

Belzona selected due to high mechanical and impact resistance.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

[www.belzona.com](http://www.belzona.com)



It provides exceptional abrasion resistance and excellent resistance to the effects of many types of chemical substances. High compressive strength, no shrinkage, expansion and deflection under load.

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