

BELZONA SUPERWRAP II USED AT A SEWAGE TREATMENT PLANT

ID: 8397



PROBLEM

Erosion and perforation at the base off the steel tank.

APPLICATION SITUATION

A length of 2 m and a width of 0.5 m, in the lower part of the bottom of the tank, the steel wall thinned from 5 mm to 4.2 mm; 3.8mm; 2.4mm in one place 1.8mm with one leak (a hole with a diameter of 5mm). It occurred as a result of abrasion in this area and sub-cladding corrosion. The bottom of the tank rests on the concrete foundation. The Tank diameter - 20m, mild steel St3S, conical bottom. The original sheet thickness 5mm. Working temperature in the tank 30-40 degrees C.

APPLICATION METHOD

To begin with abrasive blasting were completed in accordance with International Standards followed by removal of dust and degreasing. Repair of perforation and strengthening the shell weld with Belzona 1111 composite Belzona 9341 we completed in accordance with Belzona System Leaflet TCC-01. Belzona SuperWrap II system application was used to repair most areas exposed to erosion then followed by application of Belzona 5821 as a top coat. Completed in accordance with an adapted version of VPF-11 and TCC-03.

Concrete expansion Joints beneath the steel jacket that came in contact were completed in accordance with Belzona System Leaflet FPA-06 where Belzona 2911 and Belzona 2211 were applied.

BELZONA FACTS

Belzona SuperWrap II was primarily selected due to repairing the tanks integrity to ensure a long lasting performance for years to come.

INDUSTRY

Water / Wastewater

LOCATION

Poland

APPLICATION DATE

October, 2020

PRODUCTS

Belzona 1981 (Superwrap II Resin)
Belzona 9381
Belzona 9382
Belzona 1111 (Super Metal)
Belzona 9611 (ES Metal)
Belzona 5821
Belzona 2911 (Elastomer QD Conditioner)
Belzona 2211 (MP High Build Elastomer)
Belzona 9341

SUBSTRATE

Steel

PHOTOS

Image 1: Internal of the Tank Image

2: Application of SuperWrapp II Image

3: Application showing Belzona 5821 & Belzona 2211

Image 4: Complete Application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
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