

Tank repair and protection

ID: 9626

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 1111 (Super Metal), Belzona 5892

Customer Location: Slovakia
Application Date: March 2023

Problem

Corrosion damaged the bottom of the tank and there was a danger that the bottom of the tank would break through.



General view of the tank



Damaged tank bottom



Fixed tank bottom



Ready for operation

Application Situation

After a long time and due to aggressive chemicals from crude oil, the bottom of the tank was damaged. There was even a hole in the tank.

Application Method

Surface blasting to Sa 2.5 with a profile of 75 µm up to the height of 1/3 of the shell.

Surface degreasing. Bonding of a metal plate to the bottom of the tank under the heating body (leakage at the bottom of the tank) with Belzona 1111.

Application of the product Belzona 5892 in a thickness of approx. 500 µm. Hardening of the material - by additional heating.

Belzona Facts

Repair by welding would take a long time and the surrounding material would be thermally affected. The Belzona system led to a quick and high-quality repair.

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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