

# 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.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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