

# Belzona Seals Cracks in Concrete Sump

ID: 9908

**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Concrete  
**Products:** Belzona 4111 (Magma-Quartz), Belzona 4911 (Magma TX Conditioner), Belzona 5815

**Customer Location:** Baytown, TX  
**Application Date:** September 2023

## Problem

Customer has a large concrete sump that they dump chemicals and waste into. The concrete has cracked over time. They were looking for a repair method to seal the cracks to prevent liquid from inside going out, and vice versa. They previously repaired cracks using Belzona system and it held well for many years. There were additional areas that had not received Belzona that needed to be addressed. After an inspection, the report showed a few cracks that were greater than 1/8" wide and needed repair.



Crack in concrete along the wall of sump.



Close up photo of a defect in the sump wall.



Belzona 5815 and 9371 crack repair on the application area.



Floor to wall joint crack repair in grey, and existing previous Belzona crack repair in black still in good condition.

## Application Situation

Customer needed a quick cost-effective solution to repair the cracks in concrete to add life to the sump. A previous Belzona repair was done 7 years ago and was still holding well, so they choose to use Belzona again in the repair areas.

## Application Method

1. Power tool prep with grinders to vee out the cracks and prepare the concrete surface.
2. Apply Belzona 4911 conditioner
3. Apply Belzona 4111 to pit fill/rebuild lost concrete
4. Apply Belzona 5815 and 9371 to patch over the cracks

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

Belzona products are  
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## Belzona Facts

A spill of chemicals from in the sump out into ground soil can cause extreme fines from three letter agencies. The Belzona repair helps seal the area and prevent chemicals into soil.

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