

# AN OLD STEEL TANK PUT BACK TO SERVICE WITH BELZONA

ID: 6380

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon steel  
Products: \* Belzona 1121 (Super XL-Metal) ,  
\* Belzona 5811 (Immersion Grade) ,

Customer Location: Gulf of Mexico, USA  
Application Date: August 2016

## Problem

Hundreds of holes in the floor and 8" up walls of the interior of this bulk storage tank. Large holes were visible and straightforward to repair. Small holes and metal porosity plague the entire surface.



## Photograph Descriptions

- \* 1. Hundreds of holes in tank floor and walls. ,
- \* 2. Process of Belzona 1121 composite repair and cold plate bonding on floor. ,
- \* 3. First coat Belzona 5811 Grey ,
- \* 4. Second coat Belzona 5811 Black ,

## Application Situation

A neglected steel oil tank that needed to be put back into service.

## Application Method

Belzona 1121 was used to cold plate bond steel over large holes and incorporated into Belzona 9341 cloth for smaller ones. Two coats of Belzona 5811 was used over all surfaces to seal micro porosity.

## Belzona Facts

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  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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The two alternatives to the Belzona solution were both costly and dangerous on the platform. Total replacement of the bottom and sides would take months of work and lose the ability of oil storage. Overlay welding and grinding was dangerous and could not guarantee the smallest holes would be sealed.

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