

# DEFECTIVE DEMIN TANK RETURNED TO SERVICE WITH BELZONA

ID: 8633

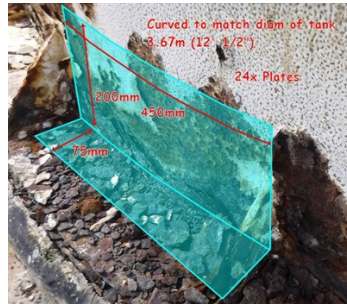
**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas

**Customer Location:** Petrochemical Plant, Teesside, UK  
**Application Date:** 2020

**Substrate:** Carbon Steel and Concrete  
**Products:** \* Belzona® 1121 (Super XL-Metal) ,  
\* Belzona® 6111 (Liquid Anode) ,  
\* Belzona® 4131 (Magma Screed) ,  
\* Belzona® 3921 (GSC Conditioner) ,  
\* Belzona® 3131 (WG Membrane) ,

## Problem

Over the years the lower sections of this tank had suffered extreme corrosion, resulting in several through wall defects. In addition, the bit-sand bed had failed, increasing the likely hood of under base corrosion. The client wanted the tank brought back into service, but internal access was not possible and so all repairs had to be done externally.



## Photograph Descriptions

- \* 1. Original Damage ,
- \* 2. Plate Design ,
- \* 3. Plates Bonded with Belzona 1121 ,
- \* 4. Finished Tank Base Seal application ,

## Application Situation

Carbon Steel Demin Degasser Tank.

## Application Method

Plate bonding was carried out in accordance with Belzona Know-How System Leaflet TCC-01. Tank Base Seal was installed in line with Belzona Know-How System Leaflet GSS-03.

## 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  
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Belzona products are  
manufactured under an ISO  
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Repair • Protect • Improve

As with many chemical sites, hot work must be avoided whenever possible, and so these Belzona solutions were ideal. Belzona plate bonding avoids the need for welding and its associated hazards. The Belzona Tank Base Seal is also cold applied, flexible and offers decades of protection from under base corrosion.

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