

# Belzona, the Alternative to Welding in Difficult Situations

ID: 523

Industry: General Industry  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Vegetable Oil Processor - Liverpool, UK  
Application Date: March 2005

## Problem

The tank was experiencing classic Corrosion Under Insulation caused by water ingress that was sitting on the lagging bands around the tank and soaking through the lagging. The problem was further exacerbated by the elevated temperature of the tank. Problem made still worse by the lining material being highly volatile requiring a Nitrogen shroud before and during any potential welding operations.



## Photograph Descriptions

- \* Scenic view of the tank farm. ,
- \* Damage to tank wall. ,
- \* The Belzona repair. After surface preparation to achieve profile the profiled plates were bonded in place with a fillet of Belzona material between them to allow excess water to run off. ,
- \* Close up of repair area. ,

## Application Situation

Five-meter diameter storage tank - carbon steel construction

## Application Method

Application was carried out in accordance with with Belzona Know-How System Leaflet TCC-1.

## Belzona Facts

Customer's previous experience had proven that welding was very costly and time consuming due to the flammable nature of the lining material. The Belzona repair was done in one-third of the time and for half the cost, giving an overall savings of over £4,000

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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